

	<b>बैंक ऑफ महाराष्ट्र</b> <b>Bank of Maharashtra</b> One Family One Bank	
<b>JAIPUR ZONE, JAIPUR</b> F-104, Riddhi Siddhi Bhawan, Ahinsa circle, C - Scheme, Jaipur-302001 (Raj.) Phone- 0141 – 2379903 / 2379905, Fax – 2379907, e-mail - sec_jai@mahabank.co.in		

## **Request for Proposal (RFP)**

**For**

### **Empanelment of Agencies for Supply and Installation of Security Equipments**

**i.e. CCTV, Fire Alarm, Burglar Alarm, Auto Dialer,  
Cash Bag with Alarm System, Fire Extinguishers, UV Machines,  
Bio-Metric Access Control System etc.**

## **Request for Proposal (RFP)**

### **Empanelment of Agencies for Supply and Installation of Security Equipments**

Bank of Maharashtra, **Zonal Office, Jaipur** invites **sealed offers in two-bid system** from agencies dealing in supply and installation of security equipments (CCTV, Fire Alarm, Burglar Alarm, Auto Dialer, Cash Bag with Alarm System, Fire Extinguishers, UV Machines, Bio- Metric Access Control System etc.) having their own Offices in state of Rajasthan (preferably in Jaipur City), and providing services to other Nationalised / PSU Banks in Rajasthan. Empanelment of vendors will be for a period of 3 years with a provision of renewal every year based on performance and discipline and it will be the sole discretion of the bank to renew the contract.

RFP Forms can be obtained from **Senior Manager (Security)** at the above mentioned address (Tel: 0141-2379903/05) on payment of Rs.1000/- (Non-Refundable) by way of Demand Draft / Pay Order favoring Bank of Maharashtra payable at Jaipur. However, for RFP downloaded from website, the Pay Order / Demand Draft will be submitted along with the Techno-commercial Offer.

**Last date for submission of RFP : 22/11/2014 time 02.00 p.m.**

**The dates for Opening of Technical Offer and Price Bid will be informed separately.**

Offers from firms not having their own offices in states Jaipur / Rajasthan, as the case may be, will not be considered. All conditions and parameters will be evaluated with reference to the firms submitting the tenders. The Bank reserves the right to reject any / all applications without assigning any reason whatsoever and also to confirm authenticity of the facts submitted by the bidders.

#### **SCOPE OF THE WORK**

1. Supply and Installation of all or some of the above mentioned equipments at different branches in Rajasthan under Zonal Office, Jaipur.
2. Maintaining the installed products/equipments and providing 'After Sale Services' during the warranty period.
3. Maintaining the products/ Equipments after warranty period by way of AMC.

#### **1. TERMS & CONDITIONS**

- 1.1 Supply and installation to be completed in branches within 10 days after receiving work order.
- 1.2 Any delay / Variation from specified quality material will **attract penalty of 5%** of the cost of equipment. The Bank reserves the right to recover this amount by any mode, which includes adjusting from any payment to be made by the Bank.

#### **2. ELIGIBILITY CRITERIA FOR SHORT-LISTING / EMPANELMENT**

- 2.1 Minimum 3 years of experience in commissioning of above mentioned equipments at nationalised banks/Govt. sectors by agencies having authorized dealership / OEM of above mentioned equipments. More weightage be given to agencies having maximum Nationalised Banks. The agency should enclose manufacturer's authorization letter/ dealership certificate from the OEM's. More weightage will be given to OEM's as compared to authorised agencies.

- 2.2 Minimum turnover Rs. 30,00,000/- (Thirty Lakhs) per year in last 03 years (audited balance sheet to be submitted along with tender).
- 2.3 Minimum Bank Guarantee of 1% of contract value / AMC and 10% (performance guarantee) of AMC value up to Rs. One Lakh and additional 5% for every subsequent AMC slab of Two Lakhs.
- 2.4 Proof of Registration with Sales Tax, Service Tax, ESI, EPF.
- 2.5 Vendors registered with SSI and having ISO 9001 may be given preference.
- 2.6 Availability of after sales service network within Jaipur / Rajasthan. Preference will be given to firm having local office.
- 2.7 Availability of sound technical support staff for attending the branch complaints within 24 hours.
- 2.8 In case the agency is having authorised dealership, kindly submit the proof of same.
- 2.9 Running successful contract of AMC at minimum two Nationalised Banks / Govt. Sector is minimum criteria.
- 2.10 The technician of the agency should have police verification and clearance certificate.
- 2.11 Agency should not have been blacklisted by any PSU Bank/ Govt. organizations.
- 2.12 Agency should have satisfactorily completed works, as stated below during last three years:
- (i) Three similar works each costing not less than 10 Lakhs.
  - (ii) Two similar works costing not less than 15 Lakhs.
  - (iii) One similar work costing not less than 20 Lakhs.
- 2.13 The installation of Systems and AMC will be audited by third party technical consultant and in case the parameters as specified are not followed strictly, the amount paid by the bank towards installation of system in question plus Rs. 25,000/- as penalty will be reimbursed from the vendor followed by black listing of concerned agency. In such case, the expenses incurred by the vendor will be borne by the vendor itself.
- 2.14 Agency to submit the Profile as per **Annexure –II**.

### **3. BID SYSTEM**

The agency is required to submit Technical Specifications in the form of Techno-commercial Offer in sealed envelope duly super scribed "**Techno-commercial Offer for Security Equipment**" and should be submitted latest by 02.00 p.m. **on 22/11/2014**. The offer should be dropped in the **Tender Box** kept at the **Security department, Zonal Office - Jaipur** at the above mentioned address. No financial details to be submitted with the Tender. **Financial details will be called for separately from technically qualified vendors.**

#### 4. EARNEST MONEY DEPOSIT

Earnest Money Deposit of Rs.10,000/- (Rupees Ten thousand only), in the form of a demand draft/pay order issued by a scheduled commercial bank favoring Bank of Maharashtra, payable at Jaipur must be submitted along with the Techno-commercial Offer. Offers not accompanied with Earnest Money Deposit of Rs.10,000/- will not be accepted. This amount will be forfeited if, having been selected by the Bank for the job, the Offerer refuses to accept / fails to carry out his obligations mentioned therein. Bank Guarantee in lieu of Earnest Money Deposit will not be accepted. No interest will be payable on the Earnest Money Deposit. The Earnest Money Deposit will be refunded to the unsuccessful Offerers. The Earnest money paid by the successful Offerer will be released after six months of satisfactory performance.

#### 5. TECHNO-COMMERCIAL OFFER (TO)

The Techno-commercial Offer (TO) should be complete in all respects and contain all information asked for in this document. **It should not contain any price information.** (If price information is given in TCO, it will be rejected)

The Techno-commercial Offer should comprise of the following:

- 5.1 Covering letter on the prescribed format (**Annexure-I**).
- 5.2 Pay Order for Rs.1000, i.e., Cost of RFP Forms, **if downloaded from Bank's website.**
- 5.3 Earnest Money Deposit of Rs.10,000/- in the form of a demand draft / pay order issued by a scheduled commercial bank favoring Bank of Maharashtra, payable at Jaipur.
- 5.4 Company profile as per **Annexure II**.
- 5.5 Documentation (Product Brochures, leaflets, manuals etc., if any) /soft copy.
- 5.6 Details of reference sites as per **Annexure-III**.
- 5.7 The Bank will shortlist suppliers, who satisfy commercial and other requirements laid down in the document. The Price Bids of only the short listed suppliers will be called for. Short listed suppliers will be notified by e-mail/post and authorized representatives may be present at the time of opening of the Technical Offers as per date and time given above. No separate information will be given.

**6. NO ERASURES OR ALTERATIONS** - Techno-commercial details must be completely filled up. Corrections or alterations, if any should be authenticated.

#### 7. EVALUATION PROCESS

Offers (Tenders) will be evaluated in the following stages:

- 7.1 Stage I** - Incomplete Offers, i.e., offers not accompanied by the mandatory documents as mentioned above, cost of RFP Forms and EMD shall be rejected.

**7.2 Stage II** - Offers will be evaluated against the stipulated minimum eligibility criteria based purely on valid proof documents submitted by the vendors (**Annexure-IV**). Offers not complying with the eligibility criteria will be rejected.

**7.3 Stage III** - Short-listing of supplier(s) based on satisfactory feedback from reference sites.

**7.4 Stage IV** - Calling for the Price bids from the short-listed firm(s) ---as per requirement of systems to be installed.

## **8. NO COMMITMENT TO ACCEPT ANY TENDER**

The Bank shall be under no obligation to accept the offer received in response to this notice and shall be entitled to reject any or all offers without assigning any reason whatsoever.

## **9. OPENING OF OFFERS**

Techno-commercial Offers will be opened in the presence of the Offerers or their representatives (authority letter must be carried by their representatives). The Offerers / their representatives may be present at the time of opening of the Techno-commercial Offers. The date & time of Opening of Techno-commercial offers will be informed separately. The Techno-commercial Offers will be opened at the time and date stipulated above irrespective of the number of Offerers or their representatives present.

## **10. CLARIFICATIONS**

For any clarifications, contact our Office on the below mentioned address or telephone.

**Senior Manager – Security,  
Bank of Maharashtra,  
Zonal Office – Jaipur,  
F-104/105, Riddhi Siddhi Apartment,  
Ahinsa Circle, C-Scheme,  
Jaipur – 302001  
Tel No.0141-2379903, 2379905**

(Letter to the Bank on the Company's letterhead)

To  
Assistant General Manager  
Bank of Maharashtra - Zonal Office,  
F-104/105, Riddhi Siddhi Apartment,  
Ahinsa Circle, C-Scheme,  
Jaipur – 302001

Dear Sir,

**Sub: Your RFP For Empanelment for supply & Installation of Security Equipments.**

With reference to your tender notice published in News papers on\_\_\_\_\_and the RFP posted on your website with effect from \_\_\_\_\_, having examined and understood the instructions, terms and conditions forming part of the RFP, we hereby enclose our offer for above mentioned Services as detailed in your above referred RFP.

We confirm that we have not been disqualified by any PSUs.

We further confirm that the offer is in conformity with the terms and conditions as mentioned in the RFP.

We hereby confirm that we have read the terms and conditions and specifications given at the **Annexure-V** of the RFP and agree to them fully.

We understand that the Bank is not bound to accept the offer either in part or in full and that the Bank has the right to reject the offer in full or in part without assigning any reason whatsoever.

We enclose herewith a Demand Draft/Pay Order **for Rs.10,000/- (Rupees Ten thousand only)** favoring Bank of Maharashtra and payable at Jaipur, towards Earnest Money Deposit, details of the same are as under:

1. Demand Draft/Pay Order No. :
2. Date of Demand Draft/Pay Order:
3. Name of Issuing Bank & Branch:

Yours faithfully,

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

**PROFILE OF THE AGENCY**

1. Name of the Organization and Address:
2. Year of Establishment (Submit proof):
3. Status of the firm (Submit proof):  
(Whether Pvt. Ltd. company / Public Ltd. company/ Partnership Firm)
4. Name of the Chairman/Managing Director/CEO/Country Head (as the case may be):
5. Whether OEM or Authorised Dealer (Submit Proof).
6. a) Name and address of Bankers (Submit proof) :  
i) ii)  
b) Turnover of the Company/Firm in 2011-12, 2012-13 and 2013-14:  
(Please attach a copy of audited Balance Sheet and Profit & Loss Account for the Years 2011-12, 2012-13 and 2013-14 as proof documents)  
2011-12 :  
2012-13 :  
2013-14 :
7. Whether registered for Service Tax and Sales Tax purposes. If so, mention number and date.(Submit proof) :
8. Details and Proof of Registration of ESI & EPF.
9. Whether an assessee of Income Tax. If so, mention Permanent Account Number. Furnish copies of Income tax clearance certificate.
10. Whether registered with SSI and having ISO certification – if Yes submit proof
11. Mention the addresses, phone numbers and fax numbers of the Offices below:  
Head Office address:-  
  
Local office address:-

12. Details of successfully running contract of AMC at Nationalised Banks / Govt. Sectors (submit proof)
13. Details of satisfactorily completed works, as stated below during last three years:
- Three similar works each costing not less than 10 Lakhs.  
Two similar works costing not less than 15 Lakhs.  
One similar work costing not less than 20 Lakhs.
14. Furnish the names of renowned organizations, where you are supplying & installing such equipments in the last three years:

Name of Organisation with Address & Tele Nos	Since when?	Items installed	Average annual Payment received

**(Please attach copies of their orders or payment proof)**

**(A separate sheet may be attached if the above space is inadequate)**

Sr No	Name of the Nationalised Bank & Tele Nos	Since When?	Items installed	Avg. annual payment

**(Please attach copies of their orders or payment proof)**

**(A separate sheet may be attached if the above space is inadequate)**

I / We have read the instructions appended to the Performa and I / We understand that if any false information is detected at a later date, any contract made between ourselves and Bank of Maharashtra on the basis of the information given by me / us can be treated as invalid by the Bank and I / We will be solely responsible for the consequences.

I / We agree that the decision of Bank of Maharashtra, Zonal Office, Jaipur, in selection of agency will be final and binding to me / us.

All the information furnished by me/us above here is correct to the best of my/our knowledge and belief.

I / We agree that I / We have no objection if enquiries are made about the work listed by me / us here in above and/or in the accompanying sheets.

I / We further certify that I / We have not been black listed from any Bank / Govt. Organisation.

Place:

Date:

SIGNATURE:

Name & Designation & seal of the Company



**Reference Site Details**

(1) Name of the company / PSU Bank / Govt Body	
Address of the company /PSU Bank	
Contact person	Name: Designation: Landline No.: Cell No.: E-mail id: Fax No
Details of Works Executed in last 3 years (Ref. No., date of order and quantity)	
(2) Name of the company / PSU	
Address of the company / PSU	
Name, designation of contact person with telephone No. and e-mail id	Name: Designation: Landline No.: Cell No.: E-mail id:
Details of Works Executed in last 3 years (Ref. No., date of order and quantity)	
(3) Name of the company	
Address of the company	
Name, designation of contact person with telephone No. and e-mail id	Name: Designation: Landline No.: Cell No.: E-mail id: Fax No.
Details of Works Executed in last 3 years (Ref. No., date of order and quantity)	

**AUTHORISED SIGNATORY**

**Annexure - IV**

**Name of the PSA:**

<b>Technical Evaluation</b>					
<b>Sl. No.</b>	<b>Information to be provided</b>	<b>To be filled by the Bidder</b>	<b>For office use</b>	<b>Evaluation marks</b>	<b>Remarks</b>
1.	Annual Turnover (in Lakhs) during last three financial years				
2.	Services presently being provided in Number of Nationalized banks and Govt. Sectors.				Maximum 5 PSU banks will be considered (Copy of deployment order, location & address to be furnished)
3.	Services provided to PSU Banks / Govt. sectors in last 05 years				
4.	Have an office in <b>Jaipur/Rajasthan</b> , with telephone & fax and manned during the office hours				
5.	Availability of Technical Team				
6.	ISO 9001 Certification of the firm(Yes/No).				
7.	<b>OEM / Authorised dealership</b>				
8.	Running successful AMC contracts with banks / Govt. sectors				
9.	Quantum of completed work in last three years				
	<b>TOTAL</b>				

DATE:

SIGNATURE:

DESIGNATION:

NAME OF THE FIRM/AGENCY WITH OFFICE STAMP

**Note: Photocopies of all necessary documents (pertaining to technical evaluation/ Eligibility) duly self attested must be enclosed and flagged for verification by the bank on the information provided.**

## Terms and Conditions

1. Minimum 3 years of experience in commissioning of above mentioned equipments at nationalised banks/Govt. sectors by agencies having authorized dealership / OEM of above mentioned equipments. More weightage be given to agencies having maximum Nationalised Banks. The agency should enclose manufacturer's authorization letter/ dealership certificate from the OEM's. More weightage will be given to OEM's as compared to authorised agencies.
2. Minimum turnover Rs. 30,00,000/- (Thirty Lakhs) per year in last 03 years (audited balance sheet to be submitted along with tender).
3. Minimum Bank Guarantee of 1% of contract value / AMC and 10% (performance guarantee) of AMC value up to Rs. One Lakh and additional 5% for every subsequent AMC slab of Two Lakhs.
4. Proof of Registration with Sales Tax, Service Tax, ESI, EPF.
5. Vendors registered with SSI and having ISO 9001 may be given preference.
6. Availability of after sales service network within Jaipur / Rajasthan. Preference will be given to firm having local office.
7. Availability of sound technical support staff for attending the branch complaints within 24 hours.
8. In case the agency is having authorised dealership, kindly submit the proof of same.
9. Running successful contract of AMC at minimum two Nationalised Banks / Govt. Sector is minimum criteria.
10. The technician of the agency should have police verification and clearance certificate.
11. Agency should not have been blacklisted by any PSU Bank/ Govt. organizations.
12. Agency should have satisfactorily completed works, as stated below during last three years:
  - (i) Three similar works each costing not less than 10 Lakhs.
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  - (iii) One similar work costing not less than 20 Lakhs.
13. The installation of Systems and AMC will be audited by third party technical consultant and in case the parameters as specified are not followed strictly, the amount paid by the bank towards installation of system in question plus Rs. 25,000/- as penalty will be reimbursed from the vendor followed by black listing of concerned agency. In such case, the expenses incurred by the vendor will be borne by the vendor itself.
14. **Specification of systems to be provided:** The firm should be able to supply and install the systems as per below mentioned specifications or upgraded specifications as per bank's requirement.

## SPECIFICATION OF CCTV SYSTEM

S.No	Items	Tech Parameter	Specification
1.	<b>1/3" High Resolution SONY CCD Camera with veri-focal Lens (Outdoor)</b>	Picture Format	PAL/NTSC
		Imaging Device	1/3" SONY CCD or equivalent
		Horizontal Resolution	700 TV Lines in Colour or better
		Electronic Shutter	PAL: 1/50 ~ 1/100000s
		Effective Elements	752X582 Approx (4,40,000 pixels)
		Minimum Illumination	Colour : 0.1 lux (F1.2, 50 IRE, AGC ON); B/W: 0 lux IR ON
		Signal to Noise Ratio	48 db or better
		Lens	4~ 12 mm Auto Iris
		Iris Control	Auto
		Back Light Compensation	Yes (on/off)
		Day & Night (ICR)	Auto/ colour/B&W/ External Control
		IR	Inbuilt (LED or array LED) of range min 50 meter
		Video O/P	1.0 Vp-p/75 ohm
		Special Functions	OSD, Privacy Masking, Motion Detection
		Housing	Outdoor IP 66 Weather proof housing
		Operating Temp	-10° C to 50 ° C
		Certification	CE, FCC, UL, RoHS
2	<b>Indoor IR Dome Camera with fixed Lens</b>	Picture Format	PAL/NTSC
		Imaging Device	1/3" SONY CCD or equivalent
		Horizontal Resolution	700 TV Lines in Colour or better
		Electronic Shutter	PAL: 1/50 ~ 1/100000s
		Effective Elements	752X582 Approx (4,40,000 pixels)
		Minimum Illumination	Colour : 0.1 lux (F1.2, 50 IRE, AGC ON); B/W: 0 lux IR ON
		Signal to Noise Ratio	48 db or better
		Lens	3.6 mm
		Iris Control	Auto
		Back Light Compensation	Yes (on/off)
		High Light Compensation	Yes
		Day & Night (ICR)	Auto/ colour/B&W/ External Control
		IR	Inbuilt (LED or array LED) of range min 20 meter
		Video O/P	1.0 Vp-p/75 ohm
		Special Functions	OSD, Privacy Masking, Motion Detection
		Housing	Indoor housing
		Operating Temp	-10° C to 50 ° C
		Certification	CE, FCC, UL, RoHS
3	<b>CCTV Fixed C Mount Camera</b>	Image Sensor	1/3" Sony Super HAD CCD II
		Signal	PAL/NTSC
		Effective Pixels	PAL: 752 (H) X 582 (V), NTSC: 768 (H) X 494 (V)
		Min. Illumination	Colour : 0.1 lux (F1.2, 50 IRE, AGC ON); B/W: 0.01 lux
		Shutter Time	1/50 (1/60) s to 1/100000s
		Lens Mount	C / CS Mount
		Auto Iris	DC/ Video drive
		Day & Night	Electronic colour / B&W Switch
		Horizontal Resolution	Colour 700 TVL or above
		Synchronization	Internal synchronization ("A": Internal / Power synchronization)
		Video Output	1 Vp-p composite output (75 O/BNC)
		S/N Ratio	More than 52 db
		Operating Temp/Humidity	-10° C to 60 ° C, humidity 90% or less (no condensing)
		Power Supply	DC 12 V ±10% ("A" Series Support) AC 240 V ±10%
		Power Consumption	2 W Max ("A" 3 W Max)
		Dimension	69X56X113.3
		Weight	400 g
4	<b>8 Channel standalone DVR</b>	No. of Video Channels	08
		Operating System	Embedded Linux

		User Interface	GUI, Mouse support
		Video Compression	Embedded with H 264 Video compression
		Frame rate	240 fps NTSC, 200 fps PAL
		Video input	8 Channel ( 30 fps per Channel NTSC, 25 fps per Channel PAL)
		Recording resolution	D1 on all Ch. (25 fps PAL / 30 fps NTSC)
		Video output	1 composite, 1 VGA, 1 HDMI, 1 SPOT
		Video display (Division)	1,4,6,8
		Audio	Supported
		Recording Mode	Continuous, Manual, Scheduled, Motion Detection, Alarm
		Data Storage Capacity	Min. 8TB
		Interface	Min 4 SATA for 4 HDDs + 1 DVD Writer/ 4 HDDs
		Capacity	Min. 2 TB each HDD
		e-SATA Interface	01
		Recording Duration	180 days minimum
		Back-up	HDD, DVD $\pm$ RW, USB Flash Memory Stick, USB Pen drive
		Remote viewing	TCP / IP enabled or client software
		PTZ Camera Support	Yes
		DVR Operation	Live, record, playback, backup, program & remote viewing at the same time
		Motion Detection	Detecting Zones, multi levels of sensitivity
		System Functions	Date & Time stamping (watermark)
		System Reliability	Shut down detection, auto recovery after power is re-connected
		Alarm	Supported
		Communication Port	RS 232, RS 485, Network port RJ 45 (Ethernet)
		Other Function	Panic recording, firmware upgrade, advanced search
		ATM / POS	Supported
		Connectors	Min 02 USB Ports- version 2.0 or higher backward compatible with version 1
		Language Support	English compulsory
		Working Conditions	24 X 7
		Product Warranty	Min. 01 year
		Certification	UL/CE/FCC
5	<b>16 Channel standalone DVR</b>	No. of Video Channels	16
		Operating System	Embedded Linux
		User Interface	GUI, Mouse support
		Video Compression	Embedded with H 264 Video compression
		Frame rate	480 fps NTSC, 400 fps PAL
		Video input	16 Channel ( 30 fps per Channel NTSC, 25 fps per Channel PAL)
		Recording resolution	D1 on all Ch. (25 fps PAL / 30 fps NTSC)
		Video output	1 composite, 1 VGA, 1 HDMI, 1 SPOT
		Video display (Division)	1,4,6,8,9,10,13,16
		Audio	Supported
		Recording Mode	Continuous, Manual, Scheduled, Motion Detection, Alarm
		Data Storage Capacity	Min. 16TB
		Interface	Min 8 SATA for 8 HDDs + 1 DVD Writer/ 8 HDDs
		Capacity	Min. 4 TB each HDD
		e-SATA Interface	01
		Recording Duration	180 days minimum
		Back-up	HDD, DVD $\pm$ RW, USB Flash Memory Stick, USB Pen drive or Network Backup
		Remote viewing	TCP / IP enabled or client software
		PTZ Camera Support	Yes
		DVR Operation	Live, record, playback, backup, program & remote viewing at the same time
		Motion Detection	Detecting Zones, multi levels of sensitivity
		System Functions	Date & Time stamping (watermark)
		System Reliability	Shut down detection, auto recovery after power is re-connected
		Alarm	Supported
		Communication Port	RS 232, RS 485, Network port RJ 45 (Ethernet)

		Other Function		Day light Saving Time, Panic recording, firmware upgrade, advanced search
		ATM / POS		Supported
		Connectors		Min 02 USB Ports- version 2.0 or higher
		Language Support		English compulsory
		Working Conditions		24 X 7
		Product Warranty		Min. 01 year
		Certification		UL/CE/FCC
<b>6</b> <b>.</b>	<b>Other Peripherals</b>	<b>A</b>	<b>HDD</b>	2 TB
			Seagate / Western Digital (Surveillance HDD)	32-64 MB Cache, 3 MB to 6 MB per second Data Transfer Rate
		<b>B</b>	<b>Monitor (Samsung / LG)</b>	LCD with TCO 03 or equivalent
			Screen size	19" & 42 "
			Make	<b>Samsung / LG or equivalent</b>
			Video	PAL / NTSC colour composite
			Resolution	1280X1024 / 136X720 pixels @ 60-85 Hz refresh rate, True colour (32 bit)
			Power Input	90 – 260 V AC or 12 V DC
			Viewing Angle	140 degree H, 130 degree V
		<b>C</b>	Cable – Video	RG 6 POLY CAB / FINOLEX
			Category	
			Type	Un-armoured
			Capacitance	53 +/- Ohms
			DC Resistance inner conductor	8.5 Ohms per KM
			Di-electric strength	10 KVA AC Mains
			Di-electric material	PE, 7.1 mm Dia
			Insulation Resistance	50 M Ohms/KM
			Nominal Impedance	75 Ohms
			Minimum bending radius	55 mm
			Acceptable Quality	Finolex / Polycab
		<b>D</b>	Cable – Power	Un-armoured
			Category	2 core power cable, FRLS
			Type	2 Core X 0.75 s mm
			Acceptable Quality	ISI (IS-694, 1990) Finolex / Polycab
			Insulation	PVC
		<b>E</b>	PVC Conduits for cabling /casing capping	
			Specification	Depends on Number of Wires
			Acceptable Quality	ISI – Precision or Equivalent
			Grade	Medium
		<b>F</b>	6 U Rack – (Wall Mount)	Power Strip – 6 Socket power supply
			Consumption	≤ 70 W (without HDD or DVD ROM)
			Working Temp	-10 deg C~55 deg C
		<b>G</b>	Working Humidity	10% - 90%
			Chassis	19" Standard 2 U Chassis
			Dimension	450 (D) X 450 (W) X 95 mm (H)
			Weight (without HDD)	≤800 gm

## **SPECIFICATION OF ALARM SYSTEMS WITH AUTO DIALER**

### **BURGLAR ALARM SYSTEMS**

<b>Item</b>
Securico- Falcon President Auto Alarm System 12 Zone, Microprocessor Based, Programmable & Wireless. Or equivalent
Wireless Panic Buttons
Receiver assembly for wireless panic Buttons
Magnetic Door Sensor
P.I.R. Sensor
High Intensity Hooter
Low Intensity Hooter
Battery 12 V 7AH

### **FIRE ALARM SYSTEM**

<b>Item</b>
Microprocessor Based EFA Control Panel (In Conformance to IS-2189-1988) – 2 to 4 Zone (Agni or equivalent)
Ionization / Optical type smoke detector with imported mounting base.
High Intensity Hooter
Manual Call Point (Break Glass Switch)
Battery 12 V 7AH

### **WIRING**

<b>Item</b>	
2 Core Copper wire with PVC Pipe	As mentioned in CCTV Systems
2x1.5 sq. mm Armoured Cable (ISI Mark)	

### **AUTO DIALER**

<b>Item</b>	
Auto Dialler (Securico SD 2000) or equivalent	Integrated with both Alarm Systems

### **FIRE EXTINGUISHERS (Omex or Equivalent)**

<b>Item</b>
ABC (Stored Pressure) Powder Type Modular Automatic fire Extinguishers Capacity 5 Kg
ABC (Stored Pressure) Powder Type Fire extinguisher Capacity 5 Kg
CO2 Gas Type Fire extinguisher Capacity 2 Kg
CO2 Gas Type Fire extinguisher Capacity 4.5 Kg

### **Cash Bag with Alarm System & UV Machine**

<b>Item</b>
Cash Bag Alarm Device, with bag / suitcase with battery, Battery Charger and Remote control Button, (Electric shock on handle & side metallic Bar).
UV Ray Machine with twin UV lamp, watermark test lamp, magnifying glass etc.

### **AUTHORISED SIGNATORY**