

DESIGN, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF CCTV SYSTEM AT APROX. 505 Nos. DIFFERENT BRANCHES AND ITS AMC FOR THREE YEARS IN RAJASTHAN DURATION OF TENDER - FEBRUARY 2015 TO MARCH 2016



TENDER NOTICE FOR

DESIGN, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF CCTV SYSTEM AT APROX. 505 Nos. DIFFERENT BRANCHES AND ITS MAINTAINANCE FOR FIVE YEARS INCLUDING WARRANTY IN RAJASTHAN

DURATION OF TENDER - FEBRUARY 2015 TO MARCH 2016

BARODA RAJASTHAN KSHETRIYA GRAMIN BANK
HEAD OFFICE, FIRST FLOOR,
CITI PLAZA, VAISHALI NAGAR
AJMER (RAJASTHAN)
Tel : 0145-2642621, 2641893

BARODA RAJASTHAN KSHETRIYA GRAMIN BANK invites sealed offers in two bid system from firms supply and maintaining **CCTV System** and having their own Offices in RAJASTHAN for supply, installation, commissioning, testing and maintaining of approx. 505 Nos. and maintenance for five years including warranty for CCTV Systems at **AJMER, ALWAR, BANSWARA, BARAN, BHARATPUR, BHILWARA, BIKANER, BUNDI, CHITTORGARH, CHURU, DAUSA, DHOLPUR, DUNGERPUR, JHALAWAR, JHUNJHUNU, KARALI, KOTA, PRATAPGARH, SIKAR, SAWAIMADHOPUR, TONK Districts.**

For complete details, formats and terms & conditions of tender please log on to Bank's website www.brkgb.com. Tender Forms can also be obtained from Manager (P&E) at the above address on payment of Rs.5000/- (Non-Refundable) by way of Demand Draft / Pay Order favoring BARODA RAJASTHAN KSHETRIYA GRAMIN BANK payable at Ajmer. However, Tender Form downloaded from website shall accompany the Pay Order / Demand Draft for Rs.5000/- along with the Technical Offer.

Date of commencement of issue of Tender Forms	:	07th February 2015
Last date for submission of Tender Forms	:	27th Feb 2015 up to 1700 hrs
Opening of Tender Forms (Technical Offer)	:	02nd March 2015 at 1600 Hours.
Estimated Tender Cost	:	Rs.150 Lacs
Earnest Money Deposit (Bid Security)	:	Rs.1,50,000/- (1% of Estimated Tender cost)

Offers from firms not having their **own offices in Rajasthan** will not be considered. The Bank reserves the right to reject any/all applications without assigning any reason whatsoever

TECHNICAL OFFER (ENVELOPE –I)

SECTION – I SCOPE OF WORK

Supply, Installation, Commissioning, Testing and Maintaining of approx. **505 Nos.** of CCTV Systems at different branches in Rajasthan.

SECTION – II TERMS & CONDITIONS

- Installation and Commissioning of CCTV system should be completed within 90 days of issue of order. The orders for CCTV would be placed as and when required by the Head Office/ Regional offices for its different branches in Rajasthan **AJMER, ALWAR, BANSWARA, BHARATPUR, BHILWARA, BIKANER, BUNDI, BARAN, CHITTORGARH, CHURU, DAUSA, DHOLPUR, DUNGERPUR, JHALAWAR, JHUNJHUNU, KARALI, KOTA, PRATAPGARH, SAWAIMADHOPUR, SIKAR, TONK Districts** All orders placed up to 31.03.2016 from date of award of the contract would form part of this tender.
- **The actual quantity of systems to be installed may vary from the projected quantity as per the requirements of the Bank.**
- Any delay in completion of the work over the stipulated period will attract penalty of 0.2% of the per system cost per day subject to maximum of 10% of the per system cost . The Bank reserves it's right to recover these amounts by any mode, which includes adjusting from any payment to be made by the Bank to the supplier.

2. ELIGIBILITY CRITERIA FOR SHORT-LISTING

The preliminary evaluation will be done on the following parameters and offers from firms not conforming to any of these parameters will be rejected.

Financial & Technical Parameters:

S. No.	Parameters	Remarks
1	Average Sales Volume of the firm in the last 3 years	The firms should have average annual sales turnover of Rs 1.50 Crs or above in the last 3 years.
2	Profit in the previous financial Years	The firm should have earned profit during the last three years
3	Works executed in the last 3 years	The firm should have installed at least in the country in the last 3 years :
		(a) One similar work of Rs.80 lacs of cost OR
		(b) Two similar works of Rs. 40 lacs of cost OR
		(c) Three similar works of Rs.30 lacs of cost.
4	No. of years in CCTV business	Minimum 5 years in the business is required
5	Own office and service center in	The firm should have its own office and Service Centre functioning in Ajmer,Sikar,Jhunjhunu Alwar, Bharatpur, Bhilwara, Banswara, Dungerpur, Kota, .Sawaimadhopur, Churu Chittorgarh, Bundi,and Jaipur or nearby area for not less than three years as on the date of commencement of issue of Tender Forms
6	Reference site	Furnish details like name, address and telephone numbers of customers to whom CCTV systems have been supplied during the last 3 years – Minimum requirement is 3 Reference sites.
7	No. of qualified engineers in	Mention number of qualified engineers of the firm. Minimum ten qualified engineers / technicians (Degree/Diploma holders) are required.

- Intending suppliers should furnish details about their firm as per Supplier's profile.
- Earnest money for Rs. 1,50,000/- to be remitted by means of Pay Order / Draft draw in favour of Baroda Rajasthan Kshetriya Gramin Bank, payable at Ajmer and should be enclosed along with the technical offer.

3. TWO BID SYSTEM OFFER

The offer will be in two parts; Technical & Commercial. Both the parts should be submitted in separate sealed covers duly super-scribed "**Technical Offer for CCTV System**" and "**Commercial Offer for CCTV System**" respectively and both sealed envelopes should be placed in another sealed envelope super-scribed "**Offer for CCTV System**" for **BARODA RAJASTHAN KSHETRIYA GRAMIN BANK Head Office, Ajmer Rajasthan** February 2015 to March 2016 and should be submitted latest by **27th Feb 2015 up to 1500 hrs.** The offer should be Submitted **BARODA RAJASTHAN KSHETRIYA GRAMIN BANK Head Office, Ajmer Rajasthan.**

4. EARNEST MONEY DEPOSIT

Earnest Money Deposit of Rs 1,50,000/- (Rs One Lacs Fifty thousand only), in the form of a demand draft/pay order issued by a scheduled commercial bank favoring **BARODA RAJASTHAN KSHETRIYA GRAMIN BANK** payable at Ajmer **Rajasthan** must be submitted along with the Technical Offer. **Offers not accompanied with Earnest Money Deposit of Rs 1,50,000/-will not be accepted.** This amount will be forfeited if, having been selected by the Bank for the job, the offerer refuses to accept purchase order or having accepted the purchase order, 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 only after completion of the contract period.**

5. INITIAL SECURITY DEPOSIT

The successful tenderer to whom the contract is awarded shall deposit as Initial Security Deposit by Bank Demand Draft a sum to make up **2% (Rs Three Lacs only)** of the value of accepted tender after the appropriation of the Earnest Money Deposited by him. The successful tenderer shall pay Initial Security Deposit within 10 days after receiving the letter of acceptance of his tender. No interest shall be paid on this Security Deposit. The Security Deposit, either in whole or in part

thereof, shall be forfeited in the event of the Vendor's failure to observe any terms of this Contract / or non-compliance with the conditions of the Contract. Alternatively, the tenderer shall have the option of remitting the entire Initial Security Deposit in the form of Fixed Deposit with the Bank (and in the name of the Bank) for the full amount of Initial Security Deposit. The same along with accrued interest will be refunded to the contractor within 15 days of the completion of the contract period. In case of remittance of Initial Security Deposit through FDR, the EMD amount will be returned to the contractor after remitting the full amount of the Initial Security Deposit.

6. RETENTION MONEY

5% of the gross value of the bill raised in the name of the branch where system is installed by the vendor shall be deducted from the bill as retention money. The retention amount shall be released by the individual branches to the contractor after defect liability period.

7. LOCATIONS TO BE COVERED

The services will be required to be provided for our Nine regions in all their offices and branches both existing and opened during the tenancy of this contract. The broad areas presently under the jurisdiction of Nine Regions are as detailed below:–

Sl. No.	REGION	STATE
1	ALWAR	Rajasthan
2	BANSWARA	Rajasthan
3	BHARATPUR	Rajasthan
4	BHILWARA	Rajasthan
5	CHURU	Rajasthan
6	JHUNJHUNU	Rajasthan
7	KOTA	Rajasthan
8	SAWAIMADHOPUR	Rajasthan
9	SIKAR	Rajasthan

However, the vendor would be bound to install the system in any place not covered in this list where the above Regions establish a Bank branch / Office during the tenancy of the contract.

8. SPLITTING OF ORDER

The Bank reserves its right for splitting scope of work between two service providers. The splitting of the order will be in 60 :40 ratios, provided the L2 service provider agrees to match the rates quoted by L1 service provider and agrees for all the terms and conditions. In case L2 service provider is not willing to match L1 rates, Bank will call L3, L4 service providers etc., in that order to step into the shoes of L2 service provider. In the event of L3, L4 etc., service provider not matching the L1 rates the entire quantity will be awarded to L1.

9. TECHNICAL OFFER (TO)

The Technical Offer (TO) should be complete in all respects and contain all information asked for in this document. ***It should not contain any price information. However TO should confirm that all required rates have been quoted in Commercial Offer (CO),*** without showing the actual amounts in the TO. **It should clearly state the Make and Model of the products offered** for which rates have been quoted by the tenderer in the Financial Bid. Any hardware accessories, software or operating system supplied free along with the system or at a cost must be indicated separately and specifically.

10. The Technical Offer should comprise of following:

- Covering letter on the prescribed format (**Annexure-I**).
- Earnest Money Deposit of Rs. 1,50,000/- , in the form of a demand draft / pay order issued by a scheduled commercial bank favoring Baroda Rajasthan Kshetriya Gramin Bank, payable at Ajmer.
- Supplier's profile as per **Annexure II**.
- Manufacturer authorization format **Annexure III**
- Declaration **Annexure IV**
- Technical Specifications complete with all rows/columns filled in **[Annexure V]**.
- Documentation (Product Brochures, leaflets, manuals etc.)
- Details of reference customer with contact detail.

- Tender fee (Rs.5000/-) by agencies downloading application from website.

11. COMMERCIAL OFFER

- The Commercial Offer (CO) should contain relevant price information and the rates should be quoted **in Indian Rupees** only. The CO should comprise the Commercial Version of Bill of Material as per **Annexure VI** and must contain all the price information.
 - **The offer from the supplier should be for a specific model. THE BANK RESERVES THE RIGHT TO REJECT ANY OFFER WITH MULTIPLE OPTIONS.**

12. PRICE COMPOSITION

- The price quoted should be only in Indian rupees and inclusive of following
 - Cost of the "**CCTV System**" with accessories F.O.R. destination.
 - The prices shall be inclusive of all taxes, duties and levies.
 - Installation and commissioning charges, if any.
 - Cost of training to be imparted is to be included in the prices quoted.
- Two year comprehensive on site warranty maintenance covering all parts, service, and visits to the site.
- Post warranty comprehensive AMC for 3 years after defect liability period of 24 months covering the entire CCTV System encompassing all software/hardware items, accessories, spares and consumables.
- The Bank will shortlist suppliers, who satisfy technical and other requirements laid down in the document. The commercial offers of only the short listed suppliers will be opened. Short listed suppliers will be notified by e-mail / post and the supplier / authorized representative may be present at the time of opening of the Technical and Commercial Offer(s).
 - No advance will be paid by the bank. Bill to be submitted with duly receipted challan invoice for payment to individual branches.
 - On satisfactory completion of the job, the Bank branch will recover TDS, VAT and 5% retention money to be held as detailed in Para 6 above.

13. NO ERASURES OR ALTERATIONS

Technical / Commercial details must be completely filled up. Corrections or alterations, if any should be authenticated.

14. NO PRICE VARIATIONS

The commercial offer shall be on a fixed price basis. **No upward revision in the price will be considered on account of subsequent increase in customs duty, excise tax, sales tax, etc.**

However, if there is any reduction in government levies/taxes, during the offer validity period, the same shall be passed on to the Bank.

15. VALIDITY OF OFFER

The offer should be valid for period for one year upto 31-03-2016 from the last date for submission of the offer.

16. EVALUATION PROCESS

Offers will be evaluated in the following stages:

16.1 Stage I

Offers will be evaluated against the stipulated minimum eligibility criteria. Offers not complying with the eligibility criteria will be rejected summarily.

16.2 Stage II

A technical evaluation of proposals will be carried out. Offers received without fulfilling the following conditions shall not be evaluated.

16.2.1 If offer is incomplete and/or not accompanied by all stipulated documents.

- If any of the terms and conditions stipulated in this document is not accepted and letter as per **Annexure - I** is not submitted.
- If any of the specifications stipulated in **Annexure III** is not met.

16.3 **Stage III**

Short-listing of supplier(s) based on the technical evaluation.

16.4 **Stage IV**

Opening and normalization of commercial offers of the short-listed supplier(s).

17. **NO COMMITMENT TO ACCEPT LOWEST OR ANY 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.

18. **OPENING OF OFFERS**

Technical Offers will be opened at **02nd March 2015 at 1600 Hours** in the presence of the offerers. The offerers / their representatives may be present at the time of opening of the Technical Offers. No separate intimation will be sent in this regard to the suppliers for deputing their representatives. The Technical Offers will be opened at the time and date stipulated above irrespective of the number of offerers or their representatives present.

19. **ORDER CANCELLATION**

If the vendor fails to deliver and/or install the equipment within the stipulated time schedule or the extended date communicated by the Bank, it will be a breach of contract. The Bank reserves the right to cancel the order in the event of delay in delivery / installation / commissioning of equipment and forfeit the Earnest Money Deposit.

20. PAYMENT TERMS

No advance amount will be paid to suppliers. The Bill amount less 5% would be paid by individual branches after successful supply, installation, testing, commencement and functioning of the CCTV system and submission of an unconditional Performance Bank Guarantee for 10% of accepted tender Value as stipulated in point No.21 below.

21. PERFORMANCE BANK GUARANTEE

Successful supplier should produce an unconditional Performance Bank Guarantee from a Public Sector Bank (other than Baroda Rajasthan Khetriya Gramin Bank) equal to 10% of the total cost of the project and effective for the period of contract including AMC period of 3 years from the date of order. During the period of contract including AMC period supplier should attend to all repairs / defects / replacement of major/minor spare parts free of cost. In case of failure on the part of the supplier to attend to the defects within a reasonable period, the Bank on its own will get the defects rectified through another agency at the risk and cost of supplier and repairs rectified through another agency in such circumstance will not affect the liabilities of the supplier on the warranty for its remaining period nor will it affect the supplier's liabilities on the stipulated post-warranty Annual Maintenance Contracts.

22. GUARANTEES

The CCTV System including all components delivered to the Bank should be brand new. The supplier should also guarantee that all the software / components supplied by the supplier is licensed and legally obtained.

23. AVAILABILITY OF SPARES

Spares for the product offered should be available for at least 05 years, guarantee to this effect should be given by the manufacturer. The format attached as per attached format in annexure IV.

24. WARRANTY

- The offer must include comprehensive on-site warranty of **two year** from the date of installation and commissioning of the equipment.
- Supplier shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all equipment, accessories, etc., covered by the offer. The supplier must warrant all equipment, accessories, spare parts etc., against any manufacturing defects during the warranty period. During the warranty period the supplier shall maintain the equipment and repair / replace all the defective components at the installed site at no additional charge of whatsoever nature to the Bank.

25. MAINTENANCE STANDARD EXPECTED DURING WARRANTY

The supplier should ensure that the defect in the CCTV System reported on any working day is set right on the same day and in no case later than the next working day. In case, the system or any equipment cannot be repaired within the stipulated period, the supplier should provide a replacement till the system/equipment is returned duly repaired.

26. ANNUAL MAINTENANCE CONTRACT

- Should the Bank decide to do so, the supplier is expected to maintain the CCTV System including all accessories/components and software supplied for at least three years after the expiry of warranty period (24 months). Comprehensive on-site maintenance charges, for the post warranty period, must be quoted in rupees per year in the Commercial Offer. During the warranty period and the comprehensive AMC period, the supplier is expected to visit the concerned branches at least once in a quarter for preventive maintenance/servicing and on call by the Bank any number of times in case of defects, if any, in the system without any additional cost to the Bank and the supplier shall maintain the equipment and repair/replace all defective components, major or minor and may use for this purpose spares or consumables at no additional charge other than the AMC contract charges. The AMC charges will be released in Four instalments at the end of every 03 (Three) months period from the date of the expiry of warranty, on satisfactory performance of the CCTV System and against submission of a service report.

- After the post-warranty mandatory comprehensive AMC period, the supplier may continue the Annual Maintenance Contract at the price/charges as may be mutually agreed upon by the Bank and the supplier. 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 equipment of equivalent capacity or higher capacity at no additional charges to the Bank during the currency of warranty period and AMC period.

27. RETRIVAL OF RECORDING ON CD/DVD

As per requirement of the Bank / Branch, if request is made by the Bank / Branch to the vendor for retrieving recording for a particular time period and preparing a CD/DVD of the same, the vendor would make arrangements to retrieve and provide such recording on CD/DVD within 24 Hours of the request made. The vendor will be paid by the Bank / Branch an amount of Rs 1000/- per such retrieval, which will be over and above the AMC charges. The CD/DVD would be provided by the Bank / Branch for the purpose.

Annexure – I

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

The General Manager
BARODA RAJASTHAN KSHETRIYA GRAMIN BANK
1STFLOOR ,CITI PLAZA VAISHALI NAGAR
AJMER 305004

Dear Sir,

Sub: Your tender notice no. _____ dated _____ for supply & installation of CCTV System at bank branches.

With reference to the above tender notice, having examined and understood the instructions, terms and conditions forming part of the tender forms, we hereby enclose our offer for the supply of the CCTV Systems as detailed in your above referred tender notice.

We confirm that we have not been disqualified by any PSU bank for supply of CCTV Systems.

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

We also confirm that the offer shall remain valid for 90 days from the last date for submission of the offer.

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 **EMD Rs. Rs.1,50,000/- (Refundable) and Tender Fee Rs.5000/-(Non Refundable)** favoring BARODA RAJASTHAN KSHETRIYA GRAMIN BANK payable at Ajmer, towards Earnest Money Deposit, details of the same are as under:

- Demand Draft/Pay Order No. :
- Date of Demand Draft/Pay Order :
- Name of Issuing Bank :

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

Annexure - II

SUPPLIER PROFILE

- Name of the Organization and Address:
 - Year of Establishment:
 - Status of the firm: (Whether Pvt. Ltd. company / Public Ltd. company/ Partnership Firm / Proprietorship Firm)
 - Name of the Chairman/Managing Director/CEO/Country Head/ Authorized signatory):
 - Whether registered with the Registrar of Companies/Registrar of Firms in India. If so, mention number and date and enclose Registration Certificate copy.

 - a) Name and address of Bankers :

 - b) Turnover of the Company/Firm in 2011-12, 2012-13 and 2013-14:
(Please attach a copy of audited Balance Sheet (CA certified) and Profit & Loss statement for the years 2011-12, 2012-13 and 2013-14)
 - Whether registered for sales tax purposes. If so, mention number and date. Also furnish copies of sales tax clearance certificate up to September 2014.
 - Whether an assessee of Income Tax. If so, mention Permanent Account Number. Furnish copies of Income tax clearance certificate for Fy 2011-12, 12-13, 14-15.
9. Give details of the after-sales service facility in terms of technical manpower and spares provided by your company in _____

10. Details of Technical Staff in

S. No.	Name	Qualification	Experience

- **List of Enclosures :-**
 - Certificate of Registration / Certificate of Incorporation
 - Certificates: Sales tax clearance certificate upto September 2014, Service Tax

registration, ESIC, VAT/TIN, PAN, PF registration.

- Audited Balance Sheet & Profit & Loss statement (CA certified) for Fy 2011-12, 2012-13, 2013-14.
- Copies of work orders with completion certificates as mentioned in financial & technical parameter.
- Copies of Income Tax Returns / Assessment Orders for the last 3 Years for Fy 2011-12, 12-13, 14-15.
- Power of Attorney of the person signing the bid document.
- Copies of registration with SSI/NSIC or ISO 9000 certification certificate of CCTV OEM.

Note: In absence of any of the above enclosures, your application is likely to be rejected.

Annex

Page 16 of 36

ure III

MANUFACTURER'S AUTHORIZATION FORM (MAF)

The General Manager
BARODA RAJASTHAN KSHETRIYA GRAMIN BANK
1st FLOOR ,CITI PLAZA VAISHALI NAGAR
AJMER 305004

Dear Sir,

Sub: **Your tender notice no. _____ dated _____ for supply & installation of CCTV System at bank branches.**

We, M/s. _____ who are established and reputed manufacturers of _____ having registered office / factories at _____ and _____ do hereby authorize M/s. _____

(Name and address of bidder) to offer their quotation and conclude the contract with you against the above invitation for the Bid.

We hereby confirm that the CCTV System including all components delivered to the bank will be brand new. We also guarantee that all the software / components supplied by the supplier is licensed and legally obtained.

We, hereby, extend our full guarantee and comprehensive warranty as per terms and conditions of the Tender for our products offered against this invitation for Bid by the above firm. We, hereby confirm that the spares for the product offered should be available for after sales service for at least 05 years from the date of tender.

Dated at _____ this _____ day of _____ 20 _____.

Authorized Signatory

Signature :

Name :

Designation :

Name & Address of the company :

Seal of the Company

*** To be submitted on Company letter head duly signed by the Authorized signatory of Company.**

Annexur

e IV

DECLARATION

- I / We have read the instructions appended and all terms and conditions and I / We understand that if any false information is detected at a later date, any future contract made between ourselves and BARODA RAJASTHAN KSHETRIYA GRAMIN BANK, 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 BARODA RAJASTHAN KSHETRIYA GRAMIN BANK in selection of contractors will be final and binding to me / us.
 - All the information furnished by me hereunder is correct to the best of my knowledge and belief.
 - I / We agree that I / we have no objection if enquiries are made about the work listed by me / us in the accompanying sheets.
 - I / We agree that I / We have not applied in the name of sister concern for the subject empanelment process.

Place :

SIGNATURE

Date :

NAME & DESIGNATION
SEAL OF ORGANISATION

ANNEXURE V

DETAILED SPECIFICATIONS AND COMPLIANCE STATEMENT

High Resolution IR Fixed Dome Camera-Specifications :

Make & Model : _____

Parameter	Specification	Compliance (Yes/No)
Type of Camera	IR Dome Camera	
Image Sensor	1/3" CCD	
Signal System	PAL	
Effective Pixels	976(H) x 582(V)	
Horizontal Resolution	700 TVL	
Lens	3.6 mm	
IR Beam Distance	Up to 15 m	
Minimum Illumination	0 Lux (IR ON)	
S/N Ratio	50dB min	
AES	1/50 - 1/100,000 sec	
AGC	Auto	
BLC	Wide Dynamic Range shall be available	
Day & Night System	Auto	
Video Output	1.0 Vp-p,75 Ohm	
Input Voltage / Current	12 VDC / 3 Watts Max.	
Housing	IP 65 vandal resistant metal body	
Certificate	CE / UL / FCC / C -tick	
Approved make	Pelco / Bosch / Sony / Godrej / Samsung / LG /Panasonic/ Siemens / Honeywell / American Dynamics.	

High Resolution IR Varifocal Dome Camera-Specifications :

Make & Model : _____

Parameter	Specification	Compliance (Yes/No)
Type of Camera	IR Dome Camera	
Image Sensor	1/3" CCD	
Signal System	PAL	
Effective Pixels	976(H) x 582(V)	
Horizontal Resolution	700 TVL	
Lens	3.5 ~ 10 mm	
IR Beam Distance	Up to 20 m	
Minimum Illumination	0 Lux (IR ON)	
S/N Ratio	50dB min	
AES	1/50 - 1/100,000 sec	
AGC	Auto	
BLC	Wide Dynamic Range shall be available	
Day & Night System	Auto	
Video Output	1.0 Vp-p,75 Ohm	
Input Voltage / Current	12 VDC / 3 Watts Max.	
Housing	IP 65 vandal resistant metal body	
Certificate	CE / UL / FCC / C -tick	
Approved make	Pelco / Bosch / Sony / Godrej / Samsung / LG /Panasonic/ Siemens / Honeywell / American Dynamics.	

High Resolution IR Outdoor Bullet Camera-Specifications :

Make & Model : _____

Parameter	Specification	Compliance (Yes/No)
Type of Camera	IR outdoor bullet Camera	
Image Sensor	1/3" CCD	
Signal System	PAL	
Effective Pixels	976(H) x 582(V)	
Horizontal Resolution	700 TVL	
Lens	6 mm / 8 mm	
IR Beam Distance	Up to 30 m	
Minimum Illumination	0 Lux (IR ON)	
S/N Ratio	50dB min	
AES	1/50 - 1/100,000 sec	
AGC	Auto	
BLC	Wide Dynamic Range shall be available	
Day & Night System	Auto	
Video Output	1.0 Vp-p,75 Ohm	
Input Voltage / Current	12 VDC / 3 Watts Max.	
Housing	IP 66 outdoor metal body	
Certificate	CE / UL / FCC / C -tick	
Approved make	Pelco / Bosch / Sony / Godrej / Samsung / LG /Panasonic/ Siemens / Honeywell / American Dynamics.	

STAND ALONE DIGITAL VIDEO RECORDER SPECIFICATIONS - 4 and 8 CHANNEL

Note: Suppliers should state 'Yes' if the DVR offered by them conform to the required specifications, or else they should state 'No'.

- The DVR shall be a digital image recording device with the functionality of 4 cameras video inputs for 4 channel DVR and 8 camera video inputs for 8 channel DVR at 960H resolution.
- The digital video recorder shall be fully multitasking – capable of simultaneously recording whilst playing back.
- The digital video recorder shall incorporate 2 Internal HDD drives with a capacity of up to 4 TB each.
- The digital video recorder shall be able to integrate external DVD writer over USB port.
- The digital video recorder should have mouse control options through USB ports.
- The Digital Video Recorder shall operate on an embedded Linux Operating System.
- The digital video recorder shall auto-detect connected cameras and be configured to record. PTZ cameras must be configured manually.
- The digital video recorder shall have composite BNC inputs for up to 4 color or monochrome cameras for 4 channel DVR and 8 color or monochrome cameras for 8 channel DVR.
- The digital video recorder shall have software-controlled contrast and brightness adjustment settings for each camera.
- The digital video recorder shall have Automatic and Static Gain Control settings for each camera.
- The firmware of the digital video recorder shall be upgradeable remotely across a computer network and through USB port.
- Operation of the digital video recorder shall be with the help of a mouse or via an infrared remote control.
- The digital video recorder shall have an easy to follow, logical menu system.
- The DVR should have provision of connecting up to 3 monitor outputs- BNC, VGA and HDMI
- The Digital Video Recorder shall record the camera video signals as a full

screen image from each of the cameras.

- The Digital Video Recorder shall be able to record a single camera at up to 25 frames per second (PAL).
- The Digital Video Recorder shall have a maximum record rate of up to 100 frames per second (PAL). for 4 channel DVR and up to 200 fps for 8 channel DVR.
- The Digital Video Recorder incorporates quality settings and record rates per camera, which allows the user to individually program each camera's record priority. An adjustable global resolution of up to 960 x 576 (PAL) (maximum) shall be available.
- The Digital Video Recorder shall provide a user-programmable character title for each camera and shall record time, date and title with each video image.
- The Digital Video Recorder shall be capable of playing back one camera full screen.
- The Digital Video Recorder shall have the ability to go to a particular time and date.
- The Digital Video Recorder shall be able to playback, pause, frame advance / rewind and multi speed fast forward or rewind either using front panel buttons, IR remote control or mouse or keyboard.
- The Digital Video Recorder shall have a History log feature displaying system events. This shall include power failures & recovery, menu access, network access (including user name), motion detection, sensor activation and video loss.
- The Digital Video Recorder shall have a pre-set menu option which will determine whether the internal HDD will overwrite or stop recording once full.
- The Digital Video Recorder shall apply a digital signature of date and time stamp to recordings contained on the internal hard disks, without affecting performance.
- The Digital Video Recorder shall be able to copy a specified image sequence to its CD/DVD writer either internal or external. The digital multiplexer must continue to record when writing to the CD-RW. The backup CD will auto-run on a PC and will not require the user to install any additional software to play back the video images contained on the CD. The backup CD will also be able to be

played back on the digital multiplexer itself via the internal CD-RW and the main

monitor.

- The Digital Video Recorder shall be able to provide a relay trigger on video loss, motion detection and sensor activation.
- The Digital Video Recorder shall have the ability to sound a buzzer on alarm, motion detection, video loss, disk full or writing to HDD error.
- The Digital Video Recorder shall be able to switch to a full screen image on monitors when an alarm / motion event happens, in addition to alerting a network operator.
- The Digital Video Recorder shall provide a history log for all the alarms/activity on the internal hard disk with time, date and camera name and/or number. The history log shall have a filter to select from among different logs
- The Digital Video Recorder shall have 4 internal programmable alarm inputs.
- The Digital Video Recorder shall have a user definable schedule to allow multiple schedules to be set for each individual hour of the day for each camera. This shall include the ability to select different hours of the day for normal recording, motion recording, sensor recording.
- Recording schedules shall be able to be copied and pasted to other individual cameras, or copied and pasted to all cameras to assist the operator with the configuration of the unit.
- The Digital Video Recorder shall feature individually programmable activity detection on all video channels, with selectable area with different sensitivity levels
- The DVR shall have different passwords for different users for better authenticity.
- The Digital Video Recorder shall have both manual and automatic lock functions that will not affect the recording operation of the unit. This shall either be done manually or by using a pre-set menu option to automatically lock the unit after a specified time.
- The Digital Video Recorder shall be able to control telemetry cameras and should support multiple telemetry protocols.

- Cameras with telemetry shall be controllable using the Enterprise Viewing Software across an Ethernet network.
- The Digital Video Recorder shall have the ability to connect to LAN / ETHERNET.
- Each remote unit will have varying levels of password protection for remote access.
- The operator will have the option to be alerted via on-screen symbols and audible alarm for video loss, motion and sensor event as they happen.
- Optimum bandwidth settings shall be available for Ethernet network transmissions.
- License free Enterprise Viewing Software for Windows® shall be included with each unit.

The DVR shall comply with the following parameters:-

Digital Video Recorder – 4 Channel

Make & Model : _____

Parameter	Specification	Compliance (Yes/No)
Video Input	4 Ch BNC	
Video Output	1 Ch BNC, 1 Ch VGA, 1 HDMI	
Video Compression	H.264	
Main Stream	960H resolution	
Second Stream	Shall be available	
Recording resolution	960H , D1 , HD1, CIF	
Watermarking	Should Show Channel number with date and time stamp	
Network Protocol	DHCP, HTTP, TCP/IP, PPPOE, DDNS	
Motion Detection	Self defined Zones, Sensitivity setting for each channel should be available	

Playback	Should be Possible remote as well as Local play back based on date, time & camera no.	
Central Monitoring Software	Shall be provided and shall have provision to add upto 32 DVR.	
Backup Mode	USB DVD Drive / Network download / USB Flash drive	
Audio Input / Output Interface	4 Ch / 1 RCA	
Hard disk Interface	2 SATA HDD slot with storage capacity of 4 TB each.	
Virtual Alarm Interface	Video loss, motion detection, hard disk failure, Disk No Space, No Disk	
Hardware Alarm interface	4 Ch alarm input, 1 ch alarm output	
Operating System	Linux	
RS 485 Interface	Shall be available	
Recording	Should be Possible with Schedule based, Alarm based & Regular	
Privacy Masking	Shall be available	
Alarm Output	Buzzer, Hardware alarm output	
HDD required	Surveillance type HDD	
Certification	CE / FCC / UL / C -tick	
Approved makes	Pelco / Bosch / Sony / Godrej / Samsung / LG /Panasonic/ Siemens / Honeywell / American Dynamics. Surveillance HDD : WD / Seagate / Toshiba	

Digital Video Recorder – 8 Channel

Make & Model : _____

Parameter	Specification	Compliance
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		(Yes/No)
Video Input	8 Ch BNC	
Video Output	1 Ch BNC, 1 Ch VGA, 1 HDMI	
Video Compression	H.264	
Main Stream	25fps at 960H resolution	
Second Stream	Shall be available	
Recording resolution	960H , D1 , HD1, CIF	
Watermarking	Should Show Channel number with date and time stamp	
Network Protocol	DHCP, HTTP, TCP/IP, PPPOE, DDNS	
Motion Detection	Self-defined Zones, Sensitivity setting for each channel should be available	
Playback	Should be Possible remote as well as Local play back based on date, time & camera no.	
Central Monitoring Software	Shall be provided and shall have provision to add upto 32 DVR.	
Backup Mode	USB DVD Drive / Network download / USB Flash drive	
Audio Input / Output Interface	4 Ch / 1 RCA	
Hard disk Interface	2 SATA HDD slot with storage capacity of 4 TB each.	
Virtual Alarm Interface	Video loss, motion detection, hard disk failure, Disk NO Space, NO Disk	

Hardware Alarm interface	4 Ch alarm input, 1 ch alarm output	
Operating System	Linux	
RS 485 Interface	Shall be available	
Recording	Should be Possible with Schedule based, Alarm based & Regular	
Privacy Masking	Shall be available	
Alarm Output	Buzzer, Hardware alarm output	
HDD required	Surveillance type HDD	
Certification	CE / FCC / UL / C -tick	
Approved makes	Pelco / Bosch / Sony / Godrej / Samsung / LG / Panasonic / Siemens / Honeywell / American Dynamics. Surveillance HDD : WD / Seagate / Toshiba	

LCD COLOR MONITOR –

1. The Color display shall be suitable with the standards of the selected cameras. It shall be solid state and modular in design. It shall provide a bright, clear and well-defined picture display on the screen.
2. All controls for brightness, contrast etc. shall be provided on the front panel for readily adjusting the levels of the video signal. The rear panel shall be provided with input and output connectors for coupling the video output to other Monitors.
3. The video monitor installed shall be of 18.5" size LCD Wall Mounted / table mounted.
4. Certification UL / CE / FCC.
5. Approved make : HP / Samsung / LG / Dell / Lenovo.

Co –axial Video Cable :

Video cable RG - 6,

Co-axial Copper Conductor, Solid core

Make : Finolex / RR Kabel / Polycab / Bonton / Thermocable

Power Cable:

2 core 1.0 Sq. mm

Multistrand, Copper Conductor cable

Make : Finolex / RR Kabel / Polycab / Bonton / Thermocable

PVC Conduit:

1" PVC conduit with accessories

Medium grade , ISI Mark

Make : Jindal / BEC / AKG / Precision

Annexure VI

COMMERCIAL OFFER

BILL OF MATERIAL AND PRICE SCHEDULE

- **Items to be considered for Total Cost of Ownership (TCO) (Price for one CCTV system including all items as described below per branch)**

Bill of Quantity-Price Bid

Material : PART - A

S. No	Description	Unit	Qty	Unit Rate inclusive of all taxes, levies & duties with two year warranty	Unit rate in words	Amount (Rs) (G=D x E)
A	B	C	D	E	F	G
1	Supply of 1/3" Color IR dome camera having horizontal resolution 700 TVL, lens 3.6 mm, shall have BLC & WDR, IR Range 15 mtr, IP 65 metal housing, connectors (power & BNC) complete as required as per technical specifications.	Nos	2			
2	Supply of 1/3" Color IR dome camera having horizontal resolution 700 TVL, lens 3.5~10 mm, shall have BLC & WDR, IR Range 20 mtr, IP 65 metal housing, connectors (power & BNC) complete as required as per technical specifications.	Nos	1			
3	Supply of 1/3" Color CCD IR bullet camera having	Nos	1			

	horizontal resolution 700 TVL, lens 6 mm, shall have BLC and WDR, IR range 30 mtr, IP 66 outdoor metal body, mounting clamp, connectors (power & BNC) complete as required as per technical specifications.					
4	Supply of 4 channel digital video recorder, real time recording of all cameras at 25 fps at 960H, DVR shall have 2 SATA ports which support 4 TB each complete as required as per technical specifications.	Nos	1			
5	Supply of 2 TB surveillance hard disc for recording complete as required.	Nos	1			
6	Supply of rack with locking arrangement to mount DVR and power port / socket complete as required.	Nos	1			
7	Supply of SMPS power supply for cameras (4 camera power supply) complete as required.	Nos	1			

8	Supply of 18.5" LCD Monitor complete as required as per technical specifications.	Nos	1			
9	Supply of 2 Core x 1 Sq mm copper power cable complete as required as per technical specifications.	Mtr	60			
10	Supply of solid core RG 6 copper co-axial cable complete as required as per technical specifications.	Mtr	60			
11	Supply of 25 mm dia ISI mark medium grade PVC conduit with accessories complete as required as per technical specifications.	Mtr	45			
12	Installation charges per branch	Set	1			
	Total Amount (A)					

Total Amount (PART A) in words :

CAMC - PART – B

Post Warranty Comprehensive Annual Maintenance charges rates in percentage & amount of Installation cost (exclusive of Service Tax) for the CCTV System per annum per branch.

S. No	Description	Unit	Qty	Unit CAMC charges per branch in % (Percentage) exclusive of taxes after two year warranty	Unit CAMC amount per branch exclusive of taxes after two year warranty	Unit CAMC charges in words (Amount) Rs
A	B	C	D	E		F
	CAMC for 3 years excluding warranty period of 2 years.					
1	Comprehensive annual maintenance charges per branch for 1 st year after two year warranty	Year	1			
2	Comprehensive annual maintenance charges per branch for 2 nd year after two year warranty .	Year	1			
3	Comprehensive annual maintenance charges per branch for 3 rd year after two year warranty	Year	1			
	Total Amount CAMC					

	(B)					
	DVR"s, Software upgrades as when new versions are available, should be made available to the Bank at no additional costs.					

Total CAMC charges in words :

Total Part A + Part B :

Material / Accessories : PART - C

S. No	Description	Unit	Qty	Unit Rate inclusive of all taxes, levies & duties with two	Unit rate in words	Amount (Rs) (G=D x E)
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				year warranty		
A	B	C	D	E	F	G
1	Supply of 8 channel digital video recorder, real time recording of all cameras at 25 fps at 960H, DVR shall have 2 SATA ports which support 4 TB each, central monitoring software complete as required as per technical specifications.	Nos	2			
2	Supply of 1/3" Color CCD IR bullet camera having horizontal resolution 700 TVL, lens 8 mm, shall have BLC and WDR, IR range 30 m, IP 66 outdoor metal body, mounting clamp, connectors (power & BNC) complete as required as per technical specifications.	Nos	1			
3	Charges for re-locating / re-positioning one camera of the branch including laying cable & electrical work	Nos	1			
4	Charges for shifting DVR & related equipment from existing premises to new premises or to another branch within the city. (Shifting includes remove of installation from the old	Nos	1			

	premises & re-installation at new site)					
5	Charges for shifting DVR & related equipment from one branch to another location outside the city. (Shifting includes remove of installation from the old premises & re-installation at new site excluding transportation)	Nos	1			

Note:

- The cost of the CCTV SYSTEM and the post warranty Comprehensive AMC cost for three years will be taken into consideration for deciding the lowest quotation.
- Total cost must be quoted in FIGURES AND WORDS.
- In case of any discrepancy, total cost quoted in words will be considered for computation of TCO.
- Cost comparison will be on the basis of total cost of ownership calculated as explained above along with comprehensive AMC cost for three years
- The price quoted above shall be inclusive of all labour costs, taxes, duties, and levies.
- In case, less cameras are used, the price will be deducted accordingly or will be as per actual. The CAMC will be paid as per percentage value per branch.