



TENDER NOTICE

FOR

DESIGNING, SUPPLY, INSTALLATION, TESTING,
COMMISSIONING AND MAINTENANCE OF CCTV SYSTEM
AT APROX. 60 Nos. DIFFERENT BRANCHES IN
PUNE/NAGPUR/AURANGABAD/GOA AND ADJOINING
AREAS



Bank of Baroda
Zonal Office, Maharashtra & Goa Zone,
Sharda Centr, 2nd Floor, 11/1 Khilare Path,
Erandwna, Pune – 411 004
Tel : (020) 2546 5058, 2546 5194

TENDER FOR DESIGNING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF CCTV SYSTEM AT APPROX 60 Nos. AT DIFFERENT BRANCHES IN PUNE/NAGPUR/AURANGABAD/GOA AND ADJOINING AREAS

Bank Of Baroda invites sealed offers in two bid system from firms supplying and maintaining **CCTV System** and having their own Offices in Maharashtra and Goa for supply, installation, commissioning, testing and maintaining of approx. 60 Nos. of CCTV Systems at different branches in Pune/Nagpur/Aurangabad/Goa and Adjoining Areas.

For complete details, formats and terms & conditions of tender please log on to Bank's website www.bankofbaroda.com/tenders.asp. Tender Forms can also be obtained from Sr. Manager (Security) at the above address on payment of Rs.1000/- (Non-Refundable) by way of Demand **Draft / Pay Order favoring Bank of Baroda payable at Pune**. However, Tender Form downloaded from website shall accompany the Pay Order / Demand Draft for Rs. 1000/-along with the Technical Offer.

Date of commencement of issue of Tender Forms : **18.11.2012**
Last date for submission of Tender Forms : **08.12.2012 upto 2.00 PM**
Opening of Tender Forms (Technical Offer) : **12.12.2012 at 3.00 PM**
Estimated Tender Cost : ₹ 105.00 lacs
Earnest Money Deposit (Bid Security) : ₹ 1,05,000/-

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

Prospective service providers may download the tender document from the Bank's website www.bankofbaroda.com. Tender documents can also be obtained from Zonal Office of Bank of Baroda, MAHA & GOA Zone, Zonal Office, (M&G), 2nd Floor, Sharada Centre, 11/1 Khilare Path, Erandawana, Pune – 411004 OR on payment of ₹ 1,000/- (Non-Refundable) by way of Demand Draft / Pay Order favouring Bank of Baroda, payable at PUNE. Tender document downloaded from website shall accompany the Pay Order / Demand Draft of Rs. 1000/- (Non Refundable) along with the Technical Bid.



TECHNICAL OFFER (ENVELOPE –I)

SECTION - I SCOPE OF WORK

Supply, Installation, Commissioning, Testing and Maintaining of approx. 60 Nos. of CCTV Systems at different branches in Pune/Nagpur/Aurangabad/Goa and Adjoining Areas

SECTION - II TERMS & CONDITIONS

- 1.1 Installation and Commissioning of CCTV system should be completed within 10 days of issue of order. The orders for CCTV would be placed as and when required by the Bank for its different branches in PUNE/NAGPUR/AURANGABAD/GOA and adjoining areas. All orders placed upto **one year from date of award of the contract** would form part of this tender.
- 1.2 **The actual quantity of systems to be installed may vary from the projected quantity as per the requirements of the Bank.**
- 1.3 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.
- 1.4 Prospective service providers may download the tender document from the Bank's website www.bankofbaroda.com. Tender documents can also be obtained from Zonal Office of Bank of Baroda, MAHA & GOA Zone, Zonal Office, (M&G), 2nd Floor, Sharada Centre, 11/1 Khilare Path, Erandawana, Pune – 411004 OR on payment of ` 1,000/- (Non-Refundable) by way of Demand Draft / Pay Order favouring Bank of Baroda, payable at PUNE. Tender document downloaded from website shall accompany the Pay Order / Demand Draft of Rs. 1000/- (Non Refundable) along with the Technical Bid.

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:

Sr. No.	Parameters	Remarks
1	Average Sales Volume of the firm in the last 3 years	The firms should have average annual sales turnover of ₹ . 31.50 lacs 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 80% of cost OR (b) Two similar works of 50% of cost OR (c) Three similar works of 40% of cost.
4	No. of years in CCTV business	Minimum 5 years in the business is required



5	Own office and service center in Pune/Nagpur/Aurangabad/Goa or Adjoining Areas.	The firm should have its own office and Service Centre functioning in Pune/Nagpur/Aurangabad/Goa or Adjoining Areas 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, as per Annexure-XII , to whom CCTV systems have been supplied during the last 3 years – Minimum requirement is 3 Reference sites.
7	No. of qualified engineers in Pune/Nagpur/Aurangabad/Goa / Adjoining Areas	Mention number of qualified engineers of the firm. Minimum five qualified engineers (Degree/Diploma holders) in Pune/Nagpur/Aurangabad/Goa/Adjoining Areas are required.

- 2.1 Intending suppliers should furnish details about their firm as per Supplier's profile (**Annexure - II**).
- 2.2 **Earnest money for Rs. 1,05,000/- to be remitted by means of Pay Order / Draft drawn in favour of Bank of Baroda, payable at Pune 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" and should be submitted latest by 2.00 p.m., on 08.12.2012. The offer should be dropped in the Tender Box kept in Bank of Baroda, Zonal Office, Maharashtra & Goa Zone, 2th Floor, Sharda Centre, 11/1 Khilare Path, Ernadwna, Pune, 411 004.

4. EARNEST MONEY DEPOSIT

Earnest Money Deposit of ₹ 1,05,000/- (₹ One Lac Five Thousand only), in the form of a demand draft/pay order issued by a scheduled commercial bank favoring Bank of Baroda, payable at Pune must be submitted along with the Technical Offer. **Offers not accompanied with Earnest Money Deposit of ₹ 1,05,000/- 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% 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. TECHNICAL OFFER (TO)

- 7.1 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.
- 7.2 It is mandatory to submit the technical details in the prescribed pro-forma [**Annexure III to Annexure X**] duly filled in, along with your offer. In case of non-submission or partial submission of technical details, the Bank, at its discretion, may not evaluate the offer. The TO must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form.

8. The Technical Offer should comprise of following:

- 8.1 Covering letter on the prescribed format (**Annexure-I**).
- 8.2 Earnest Money Deposit of ₹ 1,05,000/-, in the form of a demand draft / pay order issued by a scheduled commercial bank favoring Bank of Baroda, payable at Pune.
- 8.3 Supplier's profile as per **Annexure II**.
- 8.4 Technical Specifications complete with all rows/columns filled in [**Annexure III to Annexure X**].
- 8.5 Un-priced version of bill of material [**Annexure XI**]
- 8.6 CE/UL Certificate or any other standard certificate in the field.
- 8.7 Documentation (Product Brochures, leaflets, manuals etc.)
- 8.7 Details of reference sites as per **Annexure XII**.
- 8.8 Tender fee (Rs. 1000/-) by agencies downloading application from website.

9. COMMERCIAL OFFER

- 9.1 The Commercial Offer (CO) should contain relevant price information and the rates should be quoted **in Indian Rupees** only. The CO should not contradict the TO in any manner. The CO should comprise the Commercial Version of Bill of Material as per **Annexure XIII** and must contain all the price information.



- 9.2 **The offer from the supplier should be for a specific model. The Bank reserves the right to reject any offer with multiple options.**

10. PRICE COMPOSITION

- 10.1 The price quoted should be only in Indian rupees and inclusive of following
- 10.1.1 Cost of the ‘**CCTV System**’ with accessories F.O.R. destination..
 - 10.1.2 All taxes, duties and levies (excepting octroi, which will be at actual).
 - 10.1.3 Installation and commissioning charges, if any.
 - 10.1.4 Cost of training to be imparted
 - 10.1.5 One year comprehensive on site warranty maintenance covering all parts, service, and visits to the site.
 - 10.1.6 Post warranty comprehensive AMC for 5 years after defect liability period of 12 months covering the entire CCTV System encompassing all software/hardware items, accessories, spares and consumables.
- 10.2 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).
- 10.3 No advance will be paid by the bank. Bill to be submitted with duly receipted challan invoice for payment to individual branches.
- 10.4 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.

11. NO ERASURES OR ALTERATIONS

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

12. 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.

13. VALIDITY OF OFFER

The offer should be valid for period of 90 days from the last date for submission of the offer.

14. EVALUATION PROCESS

Offers will be evaluated in the following stages:



14.1 Stage I

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

14.2 Stage II

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

- 14.2.1 If offer is incomplete and/or not accompanied by all stipulated documents
- 14.2.2 If any of the terms and conditions stipulated in this document is not accepted and letter as per **Annexure - I** is not submitted.
- 14.2.3 If any of the specifications stipulated in **Annexure III to Annexure X** is not met.
- 14.2.4 If un-priced commercial bid is not submitted as per **Annexure XI**.

14.3 Stage III

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

14.4 Stage IV

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

15. 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.

16. SPLITTING OF ORDER

The bank reserves its right for splitting scope of work between two services providers. The splitting of the order will be in **60:40 ratios, provided the L-2 service provider agrees to match the rates quoted by L-1 service provider and agrees for all the terms and condition.** In case L-2 service provider is not willing to match L-1 rates, Bank will call L-3, L-4 service providers etc., in that order to step into the shoes of L-2 service provider. In the event of L-3, L-4 etc., service provider not matching the L-1 rates the entire quantity will be awarded to L-1.

17. OPENING OF OFFERS

Technical Offers will be opened at **1500 Hours, on 12.12.2012** 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.

18. 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.

19. 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.19 below.

20. PERFORMANCE BANK GUARANTEE

Successful supplier should produce an unconditional Performance Bank Guarantee from a Public Sector Bank (other than Bank of Baroda) equal to 10% of the total cost of the project and effective for the period of contract including AMC period of 5 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.

21. 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.

22. AVAILABILITY OF SPARES

Spares for the product offered should be available for at least 06 years.

23. WARRANTY

- 23.1 The offer must include comprehensive on-site warranty of one year from the date of installation and commissioning of the equipment.
- 23.2 Supplier shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all equipments, accessories, etc., covered by the offer. The supplier must warrant all equipments, 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.

24. MAINTENANCE STANDARD EXPECTED DURING WARRANTY

The supplier should ensure that the defects 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.



25. ANNUAL MAINTENANCE CONTRACT

- 25.1 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 five years after the expiry of warranty period (12 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 two installments at the end of every 06 (Six) months period from the date of the expiry of warranty, on satisfactory performance of the CCTV System and against submission of a service report.
- 25.2 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.

26. 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 ₹ 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)

To

The General Manager
Bank of Baroda
Zonal Office
2nd Floor, Sharda Centre, 11/1, Khilare Path,
Ernadwna Pune,
Pune – 411 004

Dear Sir,

Sub: Your tender notice for CCTV System

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 ₹ 1,05,000/- (Rupees One Lac Five Thousand only) favoring Bank of Baroda and payable at Pune, 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,

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



SUPPLIER PROFILE

1. Name of the Organization and Address:

2. Year of Establishment:

3. Status of the firm:
(Whether Pvt. Ltd. company / Public Ltd. company/ Partnership Firm / Proprietorship Firm)

4. Name of the Chairman/Managing Director/CEO/Country Head (as the case may be):

5. Whether registered with the Registrar of Companies/Registrar of Firms in India. If so, mention number and date and enclose Registration Certificate copy.

6. a) Name and address of Bankers :
 - i) _____
 - ii) _____

- b) Turnover of the Company/Firm in, 2009-10, 2010-11 and 2011-12.
(Please attach a copy of audited Balance Sheet and Profit & Loss Account for the years 2009-10, 2010-11 and 2011-12)

2009-10:
2010-11:
2011-12:

7. Whether registered for sales tax purposes. If so, mention number and date. Also furnish copies of sales tax clearance certificate.

8. Whether an assessee of Income Tax. If so, mention Permanent Account Number. Furnish copies of Income tax clearance certificate.



9. Is the Company/Firm a manufacturer of **CCTV SYSTEM** System? If yes,

a) Give the Name of the country where manufacturing unit is located.

b) Mention the address and phone number of the company's Maharashtra/Pune and Goa office below:

c) Give the date of opening of Maharashtra/Pune and Goa Office.

10. Give details of the after-sales service facility in terms of technical manpower and spares provided by your company in Maharashtra /Pune and Goa Office.

11. What are your main fields of activities? Mention the fields giving the annual turnover for each field.

i)

ii)

iii)

iv)

12. Since when and how long your Company/firm has been manufacturing **CCTV SYSTEMS** .

13. If you have been prequalified by other organization/statutory bodies, such as Banks, CPWD, PWD, etc. for **CCTV SYSTEMS**, furnish their names, category and date of registration.

14. Furnish the names of renowned organizations, where you have installed **CCTV Systems** in Maharashtra/Pune/Goa in the last three years ending 31 March 2012:

Name of Organisation with Address	Year of Installation	Value of orders

(Please attach the copies of their orders)



15. Details of Technical Staff in Pune:

Sr. No.	Name	Qualification	Post Held	Experience

16. List of Enclosures :-

- (a) Certificate of Registration / Partnership Deep
- (b) Certificates of Registration with Income Tax, Service Tax, EPF, ESI, VAT/TIN.
- (c) Audited Balance Sheet (Statements of last 3 Years).
- (d) Copies of Work Orders as mentioned above along with photocopies of relevant TDS Certificates and satisfactory Completion Certificates.
- (e) Copies of Income Tax Returns / Assessment Orders for the last 3 Years.
- (f) Performance Guarantee.
- (g) Copies of registration with SSI/NSIC or ISO 9000 certification, if any.

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

DECLARATION

1. 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 Bank of Baroda, 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.
2. I / We agree that the decision of Bank of Baroda in selection of contractors will be final and binding to me / us.
3. All the information furnished by me hereunder is correct to the best of my knowledge and belief.
4. I / We agree that I / we have no objection if enquiries are made about the work listed by me / us in the accompanying sheets.
5. I / We agree that I / We have not applied in the name of sister concern for the subject empanelment process.

Place :

Date :

SIGNATURE

NAME & DESIGNATION

SEAL OF ORGANISATION



**TECHNICAL SPECIFICATIONS FOR 1/3” COLOR CCD
VARIFOCAL DOME / CS MOUNTED CAMERA**

Note: Suppliers should state ‘Yes’ if the Cameras offered by them conform to the required specifications, or else they should state ‘No’. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

1. The camera unit shall be 1/3” CCD type Color and shall provide a minimum of 540 TV Lines resolution. It shall be possible to use lenses of 3.5 mm-8 mm focal length. It shall be possible to adjust the camera head in both the planes so that it can be wall or ceiling mounted. The camera shall operate on 12 volts D.C.

2. The Camera shall comply with the following parameters :-

Sl. No.	Required General Specifications for CCTV Cameras		Make & Model No. offered	Supplier's Compliance (Yes / No)
1	EFFECTIVE PIXELS PAL	752(H)*582(V) (MINIMUM)		
2	SYNC. SYSTEM	INTERNAL		
3	RESOLUTION	540 TV LINE MINIMUM		
4	MINIMUM ILLUMINATION	0.002 Lux / F2.0 / 50IRE		
5	S/N RATIO	MORE THAN 48 db. (AGC Off, F1.2)		
6	GAMMA CORRECTION	0.45		
7	GAIN CONTROL	AUTO		
8	WHITE BALANCE	AUTO		
9	EXPOSURE AUTO E.SHUTTER	1/60(1/50) ~ 1/100000 SEC		
10	VIDEO OUTPUT	1.0 Vp-p COMPOSITE (75Ω LOAD)		
11	SUPPLY VOLTAGE	DC 12V +/- 10%		
12	POWER CONSUMPTION	100Ma		
13	OPERATION TEMP	-10°C ~ 50°C		
14	LENS TYPE	VARIFOCAL AUTO IRIS 3.5-8mm		
15	CERTIFICATION	ISI/CE/UL/FCC Certificate or any other standard certificate in the field		



**TECHNICAL SPECIFICATIONS FOR 1/3" COLOR CCD
VARIFOCAL DOME IR CAMERA**

Note: Suppliers should state 'Yes' if the Cameras offered by them conform to the required specifications, or else they should state 'No'. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

1. The camera shall be of 1/3" format CCD type, compact of rugged design and shall employ solid state circuitry. The camera shall deliver clear, high resolution colour picture without geometric distortion.
2. The Camera shall comply with the following parameters.

Sl. No.	Required General Specifications for CCTV Cameras		Make & Model No. offered	Supplier's Compliance (Yes / No)
1	Pick up Element	1/3 inch Color CCD image Sensor (interline)		
2	Power supply	12VDC/24VAC Auto Detectable		
3	Scanning System	2:1 interlace		
4	Resolution	540 TV lines		
5	Sensitivity	0.00 lux		
6	S/N Ratio	MORE THAN 48 db. (AGC Off, F1.2)		
7	Electronic shutter	Auto: 1/50 (60) to 1/1, 00,000sec		
8	Output	1Vp-p Composite video output, 75 Ohm		
9	Lens mount	Dome Type		
10	Lens Type	1/3" 3.5-8mm Auto Iris and IR corrected		
11	NO. OF LED's	18 minimum		
12	IR Range	20 mtrs		
13	Day/Night	True day/night		
14	Auto White Balance	Auto		
15	Back Light Compensation	OFF/ON SELECTABLE		
16	Automatic Gain Control	OFF/ON SELECTABLE		
17	Flicker less Mode	OFF/ON SELECTABLE (NTSC 1/100; PAL 1/200)		
18	IP rating for Housing	IP 64 (MINIMUM)		
19	Operating Temperature	- 10 to 50° C / 30 – 90% RH		
20	CERTIFICATION	ISI/CE/UL/FCC Certificate or any other standard certificate in the field		



**TECHNICAL SPECIFICATIONS FOR 1/3” COLOR CCD
VARIFOCAL DOME TYPE WDR CAMERA**

Note: Suppliers should state ‘Yes’ if the Cameras offered by them conform to the required specifications, or else they should state ‘No’. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

1. The camera unit shall be 1/3” CCD type Color and shall provide a minimum of 540 TV Lines resolution. It shall be possible to use lenses of 3.5 mm – 8 mm focal length. It shall be possible to adjust the camera head in both the planes so that it can be wall or ceiling mounted. The camera shall operate on 12 volts D.C.

2. The Camera shall comply with the following parameters :-

Sl. No.	Required General Specifications for CCTV Cameras		Make & Model No. offered	Supplier's Compliance (Yes / No)
1	EFFECTIVE PIXELS	752(H)*582(V) (MINIMUM)		
2	SYNC. SYSTEM	INTERNAL		
3	RESOLUTION	540 TV LINE MINIMUM		
4	MINIMUM ILLUMINATION	0.002 Lux / F2.0 / 50IRE		
5	S/N RATIO	MORE THAN 48 db. (AGC Off, F1.2)		
6	WDR	60 db		
7	GAMMA CORRECTION	0.45		
8	GAIN CONTROL	AUTO		
9	WHITE BALANCE	AUTO		
10	EXPOSURE AUTO E.SHUTTER	1/60(1/50) ~ 1/100000 SEC		
11	VIDEO OUTPUT	1.0 Vp-p COMPOSITE (75Ω LOAD)		
12	SUPPLY VOLTAGE	DC 12V +/- 10%		
13	POWER CONSUMPTION	100mA		
14	OPERATION TEMP	-10°C ~ 50°C		
15	LENS TYPE	VARIFOCAL AUTO IRIS 3.5-8mm		
16	IP RATING FOR HOUSING	IP64 (MINIMUM)		
17	CERTIFICATION	ISI/CE/UL/FCC Certificate or any other standard certificate in the field		



8 CHANNEL STAND ALONE DIGITAL VIDEO RECORDER SPECIFICATIONS

Note: Suppliers should state 'Yes' if the DVR offered by them conform to the required specifications, or else they should state 'No'. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

- 1) The DVR shall be a digital image recording device with the functionality of 8 cameras video inputs.
- 2) The digital video recorder shall be fully multitasking – capable of simultaneously recording whilst playing back.
- 3) The digital video recorder shall incorporate 4 internal hard disk drives of 01 (One) TB capacity each.
- 4) The digital video recorder shall have an integral CD/DVD-Writer for archiving purposes.
- 5) The digital video recorder should have mouse or keyboard control options through USB ports.
- 6) The Digital Video Recorder shall operate on an embedded Linux Operating System.
- 7) The digital video recorder shall auto-detect connected cameras and be configured to record at the touch of a button. PTZ cameras must be configured manually.
- 8) The digital video recorder shall have composite BNC inputs for up to 8 color or monochrome cameras.
- 9) The digital video recorder shall have loop-through connectors with automatic software controlled termination to connect to other equipment.
- 10) The digital video recorder shall have software-controlled contrast and brightness adjustment settings for each camera.
- 11) The digital video recorder shall have Automatic and Static Gain Control settings for each camera.
- 12) The firmware of the digital video recorder shall be upgradeable remotely across a computer network and through USB port.
- 13) Operation of the digital video recorder shall be from the front panel or via an infrared remote control.



Annexure VI Cont.

- 14) The digital video recorder shall have an easy to follow, logical menu system. The digital video recorder shall have the option to change the menus to different languages.
- 15) The Digital Video Recorder shall feature dual monitor outputs: a primary or main monitor output and a secondary or spot monitor output. The primary monitor output screen must have connections for BNC, or SVHS monitors, any of which can be used simultaneously.
- 16) The main monitor shall be able to provide any camera full screen, sequencing full screen, and 1, 4, 9, 16, 1+5, 1+7 ways multi-screen displays whilst full frame recording is taking place.
- 17) The main monitor shall display a true live picture without digitization, on full screen or any of the multi-screens, up to and including 16 way camera displays. An on screen colored indicator shall show whether all individual cameras are recording.
- 18) The secondary monitor shall display live, analogue full screen video from either a selected camera, sequencing cameras and / or be used to display alarm / motion events.
- 19) The Digital Video Recorder shall provide a digital freeze frame and x2 digital zoom in full screen live and playback modes, including the ability to move around a zoomed image.
- 20) The Digital Video Recorder shall be capable of displaying user definable cameras in any of the multi-screen modes available. When sequencing, the Digital Video Recorder shall have the option to display specified multi-screen display as per the operator's requirements so that specific cameras can be programmed to remain on view even though other cameras around it may be sequencing.
- 21) The Digital Video Recorder shall have the option to remove cameras from normal viewing on the monitor, so that they are recorded but not viewed.
- 22) The Digital Video Recorder shall record the camera video signals as a full screen image from each of the cameras.
- 23) The Digital Video Recorder shall be able to record a single camera at up to 25 frames per second (PAL).
- 24) The Digital Video Recorder shall have a maximum record rate of up to 200 frames per second (PAL).



Annexure VI Cont.

25) 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 720x576 (PAL) (maximum) shall be available.

26) The Digital Video Recorder shall have the ability to alert the operator via an on board buzzer should there be an error whilst writing images to hard disk.

27) Connected cameras shall be able to be removed from the recording sequence without affecting the ability to display that camera on the main or spot monitor.

28) 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.

29) The Digital Video Recorder shall be capable of playing back one camera full screen.

30) The Digital Video Recorder shall have the ability to go to a particular time and date.

31) 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.

32) 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.

33) 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 current status of the HDD space remaining will be displayed on a status bar on the main monitor.

34) The Digital Video Recorder shall apply a digital signature to recordings contained on the internal hard disks, without affecting performance.

35) The Digital Video Recorder shall be able to copy a specified image sequence to its internal CD/DVD Writer. The digital multiplexer must continue to record when writing to the CD-RW. The back up 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 back up CD will also be able to be played back on the digital multiplexer itself via the internal CD-RW and the main monitor.



- 36) The digital multiplexer will allow the operator to preview the images selected for archiving before starting the archive process to CD.
- 37) The Digital Video Recorder shall be able to provide a relay trigger on video loss, motion detection and sensor activation.
- 38) 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.
- 39) The Digital Video Recorder shall be able to switch to a full screen image on both the main and / or spot monitors when an alarm / motion event happens, in addition to alerting a network operator.
- 40) The operator shall be able to set the polarity of each individual alarm contact to either normally open or normally closed.
- 41) 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 be able to show the operator alarm, motion, video or other events only, as required.
- 42) The Digital Video Recorder shall have 16 internal programmable alarm inputs.
- 43) 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, motion & sensor recording, and off.
- 44) 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.
- 45) The Digital Video Recorder shall feature individually programmable activity detection on all video channels, with an on screen 16 x 12 set up grid, and 5 sensitivity level selectable on all channels.
- 46) The Digital Video Recorder shall have 3 different layers of Password for better authenticity and flexible level of control.
- 47) 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 30 seconds of no buttons being pressed on either the front panel or IR



remote control. This will prevent unauthorized use and shall require an operator to input a password to unlock the unit.

48) The Digital Video Recorder shall be able to control telemetry cameras and should support multiple telemetry protocols.

49) Cameras with telemetry shall be controllable using the Enterprise Viewing Software across an Ethernet network.

50) 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.
- Users logging on via the network will have their user names logged locally in the digital video recorder history log with their log on / off dates and times.
- The operator will have the option to be alerted via on-screen symbols and audible alarm for video loss, motion and sensor events 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.



51) The DVR shall comply with the following parameters :-

Sl. No.	Required General Specifications for DVR		Make & Model No. offered	Supplier's Compliance (Yes / No)
1	Compression Format		H.264	
2	Pentaplex Function		Live Recording, Playback, Backup & Network Access	
3	Display Speed (NTSC / PAL)		240 / 200 FPS (Real time for eight channel)	
4.1	Recording (Frame rate / Sec)	NTSC	Up to 240 IPS @ 352x240	
4.2			Up to 120 IPS @ 704x240	
4.3			Up to 60 IPS @ 704x480	
4.4		PAL	Up to 200 IPS @ 352x288	
4.5			Up to 100 IPS @ 704x288	
4.6			Up to 50 IPS @ 704x576	
5.1	Video In	Signal Level	1.0Vpp Composite (+-10%) / 75 Ohm Balanced	
5.2		Channel	8 Channel (BNC)	
6.1	Video Out	Main Display	1 VGA (1024 x 768 @ 60Hz)	
6.2		Loop-Out	8 Channel (BNC)- Loop Out / 1ch(BNC) Out / 1 S-Video	
6.3		Spot out	2 Channel Digital(BNC)	
7	Audio	Input / output	4 Line in (RCA) / 1 Line out (RCA) , Codec:G.711(64Kbps)	
8.1	Alarm	DI / DO	8 input / 1 digital out (5Vpp)	
8.2		Panic Alarm Input	Yes	



Sl. No.	Required General Specifications for DVR		Make & Model No. offered	Supplier's Compliance (Yes / No)
9.1	Control Device		Keypad/PTZ keyboard Controller	
9.2			Remote Controller	
9.3			USB mouse controller	
9.4			USB Keyboard	
10.1	Screen	Display Split	1, 4, 9, 16, 1+5, 1+7	
10.2		Interface	Graphic User Interface	
11.1	Video	Format	NTSC / PAL Auto detection	
11.2		Compression Format	H.264	
11.3		Image Quality	Highest/ High/ Standard/ Low	
11.4		Recording type	Continuous/ Motion/ Event /Panic	
12	Multi-Language Support	English compulsory		
13.1	System Reliability	Functions	Water Mark	
13.2			Watch Dog	
13.3			Shut Down Detection	
13.4			Auto Recovery	
13.5			Factory Default	
13.6		firmware Update	by USB or Network	
14.1	Storage	Interface type	SATA	
14.2		Hard Disk Capacity	Upto 4 HDD's supported. Each HDD of 01 TB.	
14.3		Hard Disk Requirement	04 TB	
14.4		Recording HDD mode	FIFO	
14.5		Back Up File Format	AVI, JPG, BMP	



Sl. No.	Required General Specifications for DVR			Make & Model No. offered	Supplier's Compliance (Yes / No)
14.6		File Export	USB Flash, Internal CD/DVD ± RW burner, e-SATA and Network download		
15	Playback Search Function		Time/Date, Event (Alarm/Motion), Event motion (Smart search)		
16	Remote Access		TCP/IP, View, Search, Recording and Control (Client Software or browser)		
17	Power	Source / Consumption	120 to 240 VAC / 60 watt Max.		
18.1	Connectors	USB port	2 x USB 2.0		
18.2		RS-232	1-D type female connector (for PTZ, GPS)		
18.3		RS-485	2 pin (for Keyboard, PTZ, GPS or POS connection)		
19	CERTIFICATION	ISI/CE/UL/FCC Certificate or any other standard certificate in the field			

**TECHNICAL SPECIFICATIONS FOR 17” LCD COLOR MONITOR**

Note: Suppliers should state ‘Yes’ if the LCD Monitor offered by them conform to the required specifications, or else they should state ‘No’. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

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 17” size LCD.
4. The Monitor shall comply with the following parameters :-

Sl. No.	Required General Specifications for LCD Monitor	Make & Model No. offered	Supplier's Compliance (Yes / No)
1	Video: PAL / NTSC color composite 1.0Vp-p		
2	LCD: 17 diagonal, 0.66 mm Stripe pitch		
3	Resolution: 1280 / 1024 pixels		
4	Contrast Ration: 500: 1		
5	Viewing angle : 140 degree horizontal,130 degree vertical		
6	Power Input: 90 – 260 VAC, 50/60 Hz		
7	Consumption: 40 Watts		
8	Certification : ISI/CE/UL/FCC Certificate or any other standard certificate in the field		

**TECHNICAL SPECIFICATIONS FOR VIDEO CABLE**

Note: Suppliers should state 'Yes' if the Video Cables offered by them conform to the required specifications, or else they should state 'No'. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

Video Cable RG-59 of the following minimum specifications shall be used for connecting cameras installed at various locations to the DVR :-

Sl. No.	Required General Specifications for Video Cable	Make & Model No. offered	Supplier's Compliance (Yes / No)
1	Centre conductor size: Solid Bare Copper 63mm		
2	Di - electric material : Polyethylene (PE), 7.1mm dia white colour		
3	DC resistance inner conductor: 8.5 Ohms/Km		
4	Capacitance : 53 +/- 3 ohms		
5	Di-electric strength : 10 KVA AC mains		
6	Insulation resistance : 50 M Ohm/km		
7	Nominal impedance : 75 Ohms		
8	Min Bending radius : 55 mm		
9	Certification : ISI/CE/UL/FCC Certificate or any other standard certificate in the field		

**TECHNICAL SPECIFICATIONS FOR POWER CABLE**

Note: Suppliers should state 'Yes' if the Power Cable offered by them conform to the required specifications, or else they should state 'No'. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

Power cables used for extending power supply to various cameras and other devices shall have the following minimum specifications:-

Sl. No.	Required General Specifications for Power Cable	Make & Model No. offered	Supplier's Compliance (Yes / No)
1	No. of Cores - 02 (Two)		
2	Two Core inner conductor 1.0 sq. mm		
3	PVC insulated		
4	Working temperature higher than 60 degrees		
5	Insulation resistance more than 100 M ohm		
6	Certification : ISI Mark		

**TECHNICAL SPECIFICATIONS FOR PVC CONDUIT**

Note: Suppliers should state 'Yes' if the PVC Conduit offered by them conform to the required specifications, or else they should state 'No'. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the CCTV SYSTEM offered by them.

Sl. No.	Required General Specifications for PVC Conduit	Make & Model No. offered	Supplier's Compliance (Yes / No)
1	PVC Conduit of medium grade with 20 mm dia will be used for laying Video Cables / Power cables.		
2	Certification : ISI Mark		

**UNPRICED VERSION OF BILL OF MATERIAL****NOTE:**

- 1. Prices are not to be furnished in this Annexure.**
- 2. Make & Model of Product offered should be mentioned**
- 3. Supplier should only confirm in the respective columns that the total cost in rupees, in figures and in words, has been quoted in the Bill of Material and Price Schedule in Commercial Offer at Annexure - XIII.**

**I) Items to be considered for total cost of ownership
(Price for one CCTV System including all items as described below)**

Sr. No.	DESCRIPTION	MAKE and Model No.	Total Cost (Rs.) in figures given in Commercial Offer?	Total cost in words (Rupees) given in Commercial Offer?
1	Supply of 8 Channel H.264 Pentaplex DVR as per specifications listed in Annexure VI of this tender document (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		YES / NO	YES / NO
2	Supply 1/3" Color CCD Varifocal Dome Camera as per specifications listed in Annexure III of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		YES / NO	YES / NO
3	Supply 1/3" Color CCD Varifocal CS Mounted Camera as per specifications listed in Annexure III of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		YES / NO	YES / NO
4	Supply 1/3" Color CCD Varifocal Dome type IR Camera as per specifications listed in Annexure IV of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		YES / NO	YES / NO
5	Supply 1/3" Color CCD Varifocal Dome type WDR Camera as per specifications listed in Annexure V of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		YES / NO	YES / NO



Sr. No.	DESCRIPTION	MAKE and Model No.	Total Cost (Rs.) in figures given in Commercial Offer?	Total cost in words (Rupees) given in Commercial Offer?
6	Supply of 17" LCD High Resolution Color Monitor as per specifications listed in Annexure VII of this tender document (Approved Makes : LG / SAMSUNG / Sony / NEC / Panasonic)		YES / NO	YES / NO
7	Supply and laying of RG 59 Video Cable (ISI Mark) for Video Transmission as per specifications listed in Annexure VIII of this tender document (Approved Makes : Finolex / Ocean / Polycab / RR Kabel / Poliplast)		YES / NO	YES / NO
8	Supply & laying of 2 Core Power Cable (ISI Mark), in 20 mm PVC Conduit (ISI Mark) as per specifications listed in Annexure IX & X of this tender document (Approved Makes for Power Cable: Finolex / Ocean / Polycab / RR Kabel / Poliplast) Approved Makes for PVC Conduit : BEC / AKG / Precision / Circle Arc / Pressfit)		YES / NO	YES / NO
9	Designing, Installation, Testing and Commissioning Charges		YES / NO	YES / NO
	TOTAL		YES / NO	YES / NO

II) Post Warranty Comprehensive AMC rate per annum

Description	Supplier's Confirmation
1 st Year after warranty period of 12 months	Yes / No
2 nd Year	Yes / No
3 rd Year	Yes / No
4 th Year	Yes / No
5 th Year	Yes / No
Total	Yes / No

Note: Please read the notes carefully furnished in the Bill of Material and Price Schedule (Commercial Offer)



Annexure XII

Reference Site Details

(1) 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:
Details of CCTV SYSTEM supplied in last 3 years (Ref. No., date of order and quantity)	

(2) 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:
Details of CCTV SYSTEM supplied 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:
Details of CCTV SYSTEM supplied in last 3 years (Ref. No., date of order and quantity)	

AUTHORISED SIGNATORY

**COMMERCIAL OFFER****BILL OF MATERIAL AND PRICE SCHEDULE**

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

Bill of Quantity-Price Bid

Sr. No	DESCRIPTION	MAKE and Model No.	QTY	UNIT PRICE (₹)	AMOUNT (₹)
1	Supply of 8 Channel H.264 Pentaplex DVR as per specifications listed in Annexure VI of this tender document (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		01 No.		
2	Supply 1/3" Color CCD Varifocal Dome Camera as per specifications listed in Annexure III of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		03 Nos.		
3	Supply 1/3" Color CCD Varifocal CS Mounted Camera as per specifications listed in Annexure III of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		01 Nos.		
4	Supply 1/3" Color CCD Varifocal Dome type IR Camera as per specifications listed in Annexure IV of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		02 Nos.		
5	Supply 1/3" Color CCD Varifocal Dome type WDR Camera as per specifications listed in Annexure V of this tender document including cost of lens (Approved Makes : Pelco / Bosch / Sony / LG / Siemens / Honeywell / Panasonic / Samsung)		02 Nos.		



Sr. No.	DESCRIPTION	MAKE and Model No.	QTY	UNIT PRICE (₹)	AMOUNT (₹)
6	Supply of 17" LCD High Resolution Color Monitor as per specifications listed in Annexure VII of this tender document (Approved Makes : LG / SAMSUNG / Sony / NEC / Panasonic)		1 No.		
7	Supply and laying of RG 59 Video Cable (ISI Mark) for Video Transmission as per specifications listed in Annexure VIII of this tender document (Approved Makes : Finolex / Ocean / Polycab / RR Kabel / Poliplast)		200 Mtrs.		
8	Supply & laying of 2 Core Power Cable (ISI Mark), in 20 mm PVC Conduit (ISI Mark) as per specifications listed in Annexure IX & X of this tender document (Approved Makes for Power Cable: Finolex / Ocean / Polycab / RR Kabel / Poliplast Approved Makes for PVC Conduit : BEC / AKG / Precision / Circle Arc / Pressfit)		200 Mtrs.		
9	Designing, Installation, Testing and Commissioning Charges				
	TOTAL				

II) Post Warranty Comprehensive AMC rate per annum

Sr. No.	Description	Comprehensive AMC charges (₹)	Charges in words
1	1 st Year after warranty period of 12 months		
2	2 nd Year		
3	3 rd Year		
4	4 th Year		
5	5 th Year		
	TOTAL		

Grand Total (Section I + Section II) = _____

Buy Back of the existing CCTV System if replaced with a new one ₹ . _____



Note:

1. The cost of the CCTV SYSTEM and the post warranty Comprehensive AMC cost for five years will be taken into consideration for deciding the lowest quotation.
2. Total cost must be quoted in FIGURES AND WORDS.
3. In case of any discrepancy, total cost quoted in words will be considered for computation of TCO.
4. Cost comparison will be on the basis of total cost of ownership calculated as explained above alongwith comprehensive AMC cost for five years
5. The price quoted for vari-focal cameras should be inclusive of cost of vari-focal lens.
6. The price quoted above shall be inclusive of all labour costs, taxes, duties, and levies (except octroi which will be at actual)
7. In case, less cameras are used, the price will be deducted accordingly or will be as per actual.