

MUNICIPAL CORPORATION, ROHTAK



नगर निगम रोहतक

Tender Documents
For

Supply, Installation and Maintenance of
IP Based CCTV Cameras for City
Surveillance

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MUNICIPAL CORPORATION, ROHTAK

DNIT No: **MCR/2014/Electrical**/IP Based CCTV Cameras

Dated:- 07.11.2014

Sealed tenders are invited from firms or their authorized dealers for the Supply, Installation, and Maintenance of IP Based 1.3 Mega Pixel CCTV Cameras for City Surveillance in the area of Municipal Corporation, Rohtak having adequate experience of the said job.

Event	Date and Time
Opening date for sale of document	10.11.2014 at 04:00 PM
Closing date for sale of document	01.12.2014 at 5:00 PM
Last date for acceptance of BID	02.12.2014 up to 1:00PM
Opening date for Technical BID	02.12.2014 at 3:00PM

Terms & Conditions:-

1. The cost of tender documents is Rs. 1000/- (Rs. One Thousand only) to be deposited in the shape of Demand Draft in favour of "**Commissioner, Municipal Corporation, Rohtak**" in separate envelope with tender form properly mentioned on the envelope. Tender Cost will not be refunded. The tender documents are available for sale in the office of Electrical Branch, Municipal Corporation, Rohtak or can be downloaded from Departmental website i.e. www.mcrohtak.gov.in
2. Earnest money amounting to Rs. 1,00,000/- (Rs. One Lacs only) will be deposited in the shape of Demand Draft in favour of "**Commissioner, Municipal Corporation, Rohtak**" and Tender Document cost Rs. 1000/- if downloaded in separate envelope with tender form, properly mentioned on the envelope. Earnest money will be refunded only to unsuccessful bidders.
3. Commissioner, Municipal Corporation, Rohtak reserves the right to reject any or all the tenders received without assigning any reason.
4. At 23 locations, 47 cameras proposed to be installed which may further increase or decrease as per requirements/site conditions. The rates, term & conditions will remain same for any increase or decrease in scope of work.

Executive Engineer-I,
For Commissioner
Municipal Corporation
Rohtak

MUNICIPAL CORPORATION, ROHTAK

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Executive Engineer-I,
For Commissioner
Municipal Corporation
Rohtak

No. _____ Dated _____

A copy of the above is forwarded to the following for information.

1. Mayor, Municipal Corporation, Rohtak
2. Commissioner/Superintending Engineer/Joint Commissioner, Municipal Corporation, Rohtak
3. Deputy Commissioner, Rohtak.
4. Additional Deputy Commissioner, Rohtak
5. Sub Divisional Officer (Civil), Rohtak.
6. Executive Engineer-II, Municipal Corporation, Rohtak
7. XEN. P.W.D. (B&R) Rohtak.
8. XEN. P.W.D. (P.H.) Rohtak.
9. XEN Panchayti Raj, Rohtak
10. Senior Accounts Officer, Municipal Corporation Rohtak
11. DIO, NIC Rohtak to upload the tender notice on the departmental website www.mcrohtak.gov.in
12. Sh. Jagdish M.E., Municipal Corporation Rohtak
13. Notice Board, Municipal Corporation, Rohtak

Executive Engineer-I
For Commissioner
Municipal Corporation
Rohtak

SECTION 1 Tender Documents

Sealed tenders are invited from firms or their authorized dealers for the Supply, Installation, and Maintenance of IP Based 1.3 Mega Pixel CCTV Cameras for City Surveillance in the area of Municipal Corporation, Rohtak having adequate experience of the said job. Maintenance of the said job is for 5 years in all respects, **Bids will be received** up to 01:00 PM on **02-12-2014** in the office of Executive Engineer -I, Municipal Corporation Rohtak.

General Instructions:-

1. The tender forms, terms & conditions of the contract, general instructions to the tenderers and other relevant information can be obtained from the office of Electrical Branch, Municipal Corporation Rohtak on any working day from 9.00 AM to 5.00 PM upto last date of sale of tender which is 01-12-2014. The cost of tender document is Rs.1000/- which is non-refundable. The tender not submitted on prescribed forms and not within the prescribed time is liable to be rejected.
2. The tender should be submitted in a sealed cover subscribed as **MCR/Electrical/2014/ IP Based CCTV Cameras** so as to reach the office of Executive Engineer -I, Municipal Corporation Rohtak on or before **02-12-2014** upto **01.00 PM** and the same shall be opened on the same day at **3.00 P.M** in the presence of the bidders or their authorized representatives who may choose to be present. The separate sealed envelope containing Financial Bid and Technical Bid should be placed inside the main sealed envelope. Each envelope should be clearly subscribed as Financial Bid and Technical Bid respectively to avoid any confusion during opening.
3. The Tender document fee of Rs. 1000/- (One thousand only) is payable in form of DD/Cash, in favour of Commissioner, Municipal Corporation Rohtak.
4. Only those bidders with a minimum average annual turnover of Rs. **25 lacs** for the last three years shall be eligible to participate in the bidding process. The work order, payment details and a certificate from a Chartered Accountant in this regard and showing the minimum turnover shall have to be submitted with the bid.
5. The bidder must have worked for a minimum of three years with a Government/Municipal Corporation/Semi-govt. department. A satisfaction certificate for a period of three years from the concerned department must be submitted with the bid. Contractor should have experience of maintenance of IP Based CCTV Cameras for City Surveillance.
6. He is required to submit the list of its supervisors along with their complete particulars and photographs along with the bid who will be present in city for maintenance of the said job for full weekend and he will not leave the city without the prior permission from the office of Commissioner, Municipal Corporation Rohtak.
7. The bidder must sign all papers and documents accompanying the tender and should also attest on all corrections in the tender as regards rates, completion period etc. Non-compliance shall result in rejection of the tender.
8. The tender should be submitted in one part. No subsequent amendment shall be considered. Conditional tenders are liable to be rejected.
9. The firms or their authorized dealers are advised to visit the site to acquaint them fully about the work involved and the prevailing conditions before submission of tender. No claim whatsoever shall be entertained from the firms or their authorized dealers later on for any conditions being difficult or his claim of ignorance with regard to the area and scope of work.
10. The firms or their authorized dealers are advised to contact the Electrical Branch, Municipal Corporation Rohtak for visit to the area or any such queries and clarifications about the work involved and the prevailing conditions before submission of tender.
11. The firms or their authorized dealers shall abide by all Labour Acts and Rules / Regulations as framed by the Govt. (amended from time to time) and the non-compliance of the same shall make the bidder liable for all the consequences arising out of the same.

12. The firms or their authorized dealers will provide all necessary site facilities to the workmen employed by him, including all kind of safety equipments required for the job.
13. The firms or their authorized dealers will maintain necessary records as required under labour regulations and make available the same for inspection by competent authority of Municipal Corporation Rohtak.
14. In order to cope with the obligations as per Labour Act, the contractor shall obtain workman's compensation insurance policy from an approved insurance company to cover up the risk of injury /death of the contract labour engaged by him at site if covered under act. The labour regulation shall be deemed as part of the contract and breach thereof shall be deemed as breach of contract. Accordingly the contractor will render himself for penal action for omission and commission on his part by the competent authority. The firms or their authorized dealers will have to open EPF, GIS accounts and shall generate challan and submit the same to MCR by the 7th of each month and MCR would in turn under EPF, ESI shall not be payable to the contractor and only wages along with the service charges would be payable.
18. The tender document is required to be submitted with an Earnest money amounting to Rs. 100000/- (Rs. One Lacs only) in the shape of Demand Draft in favour of Commissioner, Municipal Corporation Rohtak. The earnest money of the successful bidders shall remain with the Municipal Corporation Rohtak for the entire contract period and shall not carry interest.
19. The EMD will be forfeited if the tenderer withdraws the tender after opening of tender and in case of a successful tenderer, if the tenderer fails within the specified time limit to sign the agreement.
20. The firms or their authorized dealers shall confirm acceptance of all general instructions and terms & conditions of the contract supplied as part of tender documents.
21. Commissioner, MCR reserves the right to reject any or all the tenders without assigning any reason.

Executive Engineer-I,
For Commissioner
Municipal Corporation Rohtak

6. **Incase of a Society**

a. Is the society registered : Yes / No

(All the societies have
Tobe registered)

b. If Registered, Reg. No. : ----- Date: -----
Place : -----

(* Registered Certificate in Authorized in original or attested photocopy has to be enclosed)

c. 'Post' held by the Authorized Representative
in the society -----

(* Statement of Elected Body Names (In original or attested photocopy)* issued by the registrar, Co-Operative Societies to be enclosed)

d. In which year latest Audit of
Society accounts was conducted

In case of new societies started in the financial year 2013-14 a performance certificate (original) issued by District Co-operative Commissioner should be furnished. (Certified copy of audit report for the latest year to be enclosed)

(e) (i) Are you a member of any other society : Yes / No (ii) If yes, furnish the details : -----

EMD deposit payment particulars DD No. :Date :
Rs :

(Rupees: only)

7. Educational Qualifications :

8. (i) Is the applicant agency holding any such type of 'contract'

at present in Haryana (if yes, attested copy of the work order has to be enclosed).

(ii) If yes, Name of the Corporation / Municipality :

with address

9. Income Tax Certificate (original) * Date of Issue :

(* Only Income Tax Certificate issued by Income Tax Officer of circle is accepted)

Identify Proof (Enclose any two proof): -----

10. (a) Was your contract (individual / firm / society) ever terminated in any Department:
Yes / No

(If yes give details)

Grounds of un-satisfactory performance or other irregularity, at any time

During the past _____

(b) Was your firm or society : Yes / No
blacklisted by any Corporation /
Municipality or by other Govt. Dept.
at any time during the past (If yes give details) -----
(Previous blacklisting automatically disqualifies the application)

Qualification details

- a. Previous experience in this field ----- yrs.
- b. No. of work orders executed successfully of the Said Job.-----
- c. Manufacturer / Authorised dealer / distributor having UL/CE Certificate -----

11. Yearly turn over Rs. ----- in lakhs.

12. Copies of following documents have to be placed in technical bid along with tender EMD supporting the tenderers qualification claim & evaluation.

- (i) UL/CE certificate for CCTV Cameras materials.
- (iii) Tenderers past performance certificate from Local body, Govt, Semi-Govt organizations. Performance Certificate should be issued by the of Municipality or Executive head of Govt / semi Govt. Departments
- (v) Copies of insurance policy for the workers involved.
- (vi) Copies of documents indicating annual turnover in past 3 years with audited statement of Accounts.
- (vii) Sales Tax certificate
- (Vii) Copies of original document regarding the constitution or legal status of the tenderer. Place of Registration, whole sale dealer / distributor certificate.
- (ix) Income Tax Certificate.

Declaration

I will organize and arrange to supervise the work every day. In the event of my employees absence in the field without permission or valid reason, the contract is liable for termination.

I will not sublet the contract partially or fully. If it is found that I have sublet the contract to any other person / agency, contract may be made liable for termination.

I have read and understood in full all the above stated points in the application and also the items /terms & conditions mentioned in the tender documents. I declare that the information and particulars furnished by me are true and correct to the best of my knowledge and belief, and I shall be liable for suitable action as decided by the employer for any false information.

**Signature of the applicant /
Authorized Signatory**

Date : -----

Full Name: -----

SECTION 3

CONDITIONS OF CONTRACT:-

1.0 INSTRUCTIONS:-

1.1 Municipal Corporation Rohtak intends to hire the services of an established & experienced agency for Supply, Installation and maintenance of IP based CCTV cameras for city surveillance under Municipal Corporation, Rohtak and AMC for a period of five years i.e. ***(which can be extended yearly for further next years with the approval of Ld. Commissioner Municipal Corporation Rohtak after analysis of performance of the agency)***

2.0 DEFINITIONS OF TERMS:-

2.1 Definition & meaning of various terms and expression used in contract document are given at Annexure-1 enclosed herein.

3.0 SCOPE OF WORK:-

Works Included: The scope of work has been covered in the specifications in general however, the Successful Bidder shall be responsible to complete the works in all respects and in doing so, provide/supply all facilities not covered above specifically, but nevertheless required for the satisfactory performance of complete system.

Works excluded: Existing watchtowers, light poles, Building tops can be considered for mounting camera and other equipment. Additional poles/towers etc if required will be paid separately.

4. Standard contract/Operating/Payment terms:-

The successful bidder should maintain the whole system on an ongoing basis, during warranty period of one year & subsequently during the comprehensive annual Maintenance contract (AMC) after the completion of warranty period for 5 years. During warranty period all materials/ parts/ services as required to maintain the system on an ongoing basis is included in the scope of the job and no extra payment will be made by Municipal Corporation, Rohtak.

The Successful bidder shall provide service support during business hours, if and when required, besides such other support like a 24/7 telephonic assistance etc., as may be required so that the system operates on a continuous basis.

The successful bidder will be the single point contact for Municipal Corporation, Rohtak for all support related issues with respect to hardware/software installed by them. If any third party help is required in resolving any issue, it will be the sole responsibility of the bidders to arrange for such help.

The period of project completion shall be 1 (One) Month from the date of Work order.

Payment Terms:-

Payment will be made after successful completion of the work order in prescribed period. 10% security will be deducted from each bill and same will be refunded after One year after successfully completion of warranty period.

The AMC payment shall be made at the end of every quarter after the beginning of the AMC period as divided from annual payment in four quarter. If the complaint will not rectified within 24 hours then the 5% Payment will be deducted in shape of Penalty from the quarterly payment.

The bidder will have to enter into a service level Agreement with Municipal Corporation, Rohtak containing the system performance & service related issues. The expected values of the parameters are as follows:-

- I. Guaranteed system Uptime 99%
- II. Network Availability 99%
- III. Latency (System) <150ms
- IV. Bandwidth:~ 3-5 MBPS per Camera (To be determined by the bidder for the required viewing/storing parameters)
- V. Scheduled Service: Once in a Month
- VI. Critical Service Response time 24 Hours

5. Performance Bank Guarantee:-

The Bidder (s) with whom the contract is decided to be entered into and intimation so given will have to make a performance bank guarantee inclusive of Security Deposit for an amount equivalent to 10% of the Purchase Order/Contract value (excluding the AMC and the recurring charges), Which shall be valid for a minimum period of eighteen (18) Months. The bank Guarantee on stamp paper of requisite value shall be accepted only from Scheduled Indian Banks (other Than Co-operative Bank). All Bank Guarantees shall be unconditional and encashable on presentation to the issuing bank. On receipt of CPBG, the EMD of the bidder will be returned.

In Case successful bidder fails to submit a valid CPBG of required amount within 15 days from the date of intimation of acceptance of its tender, Commissioner, Municipal Corporation, Rohtak, reserves the right to cancel the order and forfeit its EMD.

6. Delay in Completion/ Liquidated Damages:-

Timely execution is extremely critical in the case of this project. Execution of the project shall include supply, installation, commissioning, training & stabilization of the system in all respects. In case of delay in execution of the order beyond contracted delivery date as stipulated in the order Municipal Corporation, Rohtak at its option can either:-

- i. Accept the delayed delivery on price reduced by sum equivalent to half percent (0.5%) of basic PO Value (excluding CAMC) per week of delay or part thereof, subject to a maximum of 5% of basic PO Value (excluding CAMC).
- ii. Cancel the order in part or full and purchase such cancelled quantities from elsewhere on account at the risk of the seller without prejudice to its right under (i) above in respect of goods delivered. All costs and expenses incurred by Municipal Corporation, Rohtak, if any, resulting from cancellation of order shall be recovered from the seller.

7. Performance Testing and Warranty:-

The Successful Bidder shall carry out the performance test run of the complete system at site after satisfactory installation/implementation under his supervision. Training of operators should be as per details mentioned in this document after commissioning of the system without any extra cost to Municipal Corporation, Rohtak.

The system provided should be guaranteed/warranted for any kind of manufacturing defects and satisfactory performance for a period of 12 months from the date of acceptance /final sign off obtained from concern official of Municipal Corporation, Rohtak.

8. Comprehensive Annual Maintenance Contract (AMC) Post Warranty

- i. Complete system will be covered under post warranty Comprehensive AMC as per Rates quoted in the price bid for a period of 60 months from the date of completion of warranty. The post warranty comprehensive AMC shall be a separate annual contract for each of the 5 years period and shall be signed at beginning of the respective period. The post warranty comprehensive AMC rates quoted in price bid for 5 years shall be included in the evaluation.
- ii. During the post warranty comprehensive AMC period all software/Services etc. as Required to rectify any defect, will be provided by the successful bidder at no extra cost to Municipal Corporation, Rohtak. Material/hardware /spares as required for such maintenance would also be provided by the bidder. No extra amount is payable by Municipal Corporation, Rohtak for this post warranty AMC other than quoted AMC rates.
- iii. Comprehensive AMC comprises of the following services as a minimum
 - a. Routine maintenance service: This is an onsite maintenance, which should be carried out four times in a year. Purpose of visit is to check system health and problem solving.
 - b. Breakdown maintenance service: In case of system breakdown, Successful bidder shall depute Engineers to restore the system at the earliest, within 24 Hours.
 - c. Software support and technical services: Software additions / modifications, technical assistance to Purchaser's Engineers, technical discussions with Purchaser's Engineers /Technicians at successful bidder's facility etc. are included.
 - d. For the entire period of the project, which includes the defect liability period of 1 year and the 5 years AMC, the bidder shall depute at least one person who shall be placed in the control

room and who shall be responsible for the daily maintenance of the system. The charges for this person shall be included in the AMC charges. The personnel deployed to site shall have thorough knowledge of the system and at least two years of experience in maintenance of similar system. An experience certificate to this effect to be handed over to the Project Consultant.

- e. Quarterly payment of finalized AMC amount will be made after successful completion of period of respective post warranty AMC, should Municipal Corporation, Rohtak enter into AMC for that respective year.
- iv. Commissioner, Municipal Corporation, Rohtak reserves the right to order for the post warranty AMC along with the main order or after the completion of the warranty period of one year, and such decision solely is at Commissioner, Municipal Corporation, Rohtak discretion. Commissioner, Municipal Corporation, Rohtak reserves the right to sign the post warranty AMC for all 5 years or part of it or none.

9. Bank Guarantee for AMC

The vendor shall furnish AMC Bank Guarantees (BG) equivalent to 10 % of AMC value. The AMC BG shall be submitted to the Commissioner, Municipal Corporation, Rohtak before the expiry of warranty period failing which the Performance Bank Guarantee shall stand forfeited. The AMC BG shall be valid for a minimum period of 60 months.

10. Upgrades

Any upgrades to software with respect to firmware and revisions during the period of contract, warranty and AMC should be provided by the successful bidder at no extra cost to Municipal Corporation, Rohtak.

11. Training And Handholding

The Successful Bidder will train Municipal Corporation, Rohtak personnel at two levels

- a. Training for the control room operator and security staff .
- b. Training for Municipal Corporation, Rohtak supervisory staff

12. Scalability

The system design shall permit the online addition of new system /subsystems (new work station, peripherals, cameras, encoders etc.) with no disruption to either the operation or system communications for future expansion. The offered software should have inbuilt capability / provision to take care for future expansion and new services & features etc. The user configurable menu driven modules should be available in the software for any addition/deletion/change in the Plant configurations. No hard coding is allowed for the above functionality. Surveillance System should be scalable to meet additional business, safety and security requirement of the Municipal Corporation, Rohtak. The system should be scalable to interface with Municipal Corporation, Rohtak network /Switches. All system communications shall be based on the ISO, Open system Interconnect (OSI) reference model. All communication solutions should be Ethernet Based.

13. Municipal Corporation, Rohtak Deliverables /Scope

Municipal Corporation, Rohtak shall make available the sites to the Successful Bidder to carry out the job from administrative point of view. Successful Bidder should specify the space requirement as infrastructure for implementing his system based on which, Municipal Corporation, Rohtak shall ensure adequate space for placing the equipment.

14. System Acceptance Criteria

The system will be accepted by Municipal Corporation, Rohtak based on the following criteria:

- All systems to be verified operational as defined in the Scope of Work above.
- Surveillance System installed and functioning, as described in the FDS submittal.
- All manuals and drawings are delivered to Municipal Corporation, Rohtak.

- All software licenses are delivered to Municipal Corporation, Rohtak. Master Server license, Software analytics license, camera licenses, AVL license should be handed over to Municipal Corporation, Rohtak.
15. Commissioner, Municipal Corporation, Rohtak reserves the right, at its sole discretion, to request clarifications of technical proposals or to conduct discussions for the purpose of clarification with any or all Bidders. The purpose of any such discussions shall be to ensure full understanding of the proposal. Discussions shall be limited to specific sections of the proposal identified by the Municipal Corporation, Rohtak and, if held, shall be after initial evaluation of Technical Proposals. If clarifications are made as a result of such discussion, the Bidder shall put such clarifications in writing.
 - 16. The Project Consultant may request:**
 - a. An interview and/or open forum meeting with the technical teams of the Bidders or the OEMs.
 - b. A visit to the OEM facilities or reference sites as per the benchmarking schedules set with the individual bidder/s.
 - c. A reference checking meeting with the clients referred to by the Bidder.
 - d. A visit to the office/facilities of the bidder.
 - e. OEM Should have running office in India.
 17. For this purpose, an adequate notice of at least 7 days in advance shall be provided.
 18. Commissioner, Municipal Corporation, Rohtak reserves the right to make changes in the quantities of the material sought OR to procure the goods in deferred stages OR to cancel the purchase of any of the items specified in this Tender Document OR to divide the order to more than one vendor. As a part of the technical process, the bidders shall be required to demonstrate their solution by carrying out a Proof of Concept (POC) at their own costs at a location specified by Municipal Corporation, Rohtak in MC, Rohtak City. The purpose/objective of the POC shall be to determine that the solution proposed by the bidder meets the overall functional & technical requirement of the project. A notice of 7 days shall be provided for this purpose. Please note that a successful POC is a prerequisite for technical qualification in the tender process. The POC will be conducted with the exact same set of equipment / software / makes proposed by the vendor and will be based on functional capabilities of the vanilla version of the software proposed.
 19. The commercial bids of only those companies that successfully meet the PQC & technical criteria (including the POC Criteria) will be evaluated.
 20. The commercial evaluation will be based on the Total Delivered Cost (including Capital & Operational expenditure) to Municipal Corporation, Rohtak calculated for a period of 5 years for the entire project.
 21. Municipal Corporation, Rohtak reserves their right to negotiate the quoted prices with the selected bidder.
 22. Municipal Corporation, Rohtak reserves the right to delete any of the items in the Schedule of Rates at the time of placement of Purchase Order. The decision of Commissioner, Municipal Corporation, Rohtak shall be final and binding in this respect.

Executive Engineer-I,
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Municipal Corporation, Rohtak

Section-4
ANNEXURE-I

1. MC/OWNER shall mean the Municipal Corporation Rohtak and shall include its legal representatives, successors and assigns.
2. CONTRACTOR /AGENCY shall mean the successful bidder and shall include its legal representatives, successors and permitted assigns.
3. Notice of Award of Contract/Letter of Award shall mean the official notice issued by Municipal Corporation Rohtak, notifying the successful bidder that his bid has been accepted. Letter of Award after its acceptance shall be deemed as contract agreement, if separate contract agreement is not entered into.
4. Authorized representative of Municipal Corporation Rohtak shall mean the officer mentioned by Municipal Corporation Rohtak, in Letter of Award or appointed in writing by MC for the purpose of the contract.
5. Contract Price shall mean the price payable to the contractor under the contract for the deployment of personnel & providing services as per MC instructions and on the basis of agreed rates and for the full and proper performance of his contractual obligations.
6. Date of Contract shall mean the date on which Notification of Award of Contract/Letter of Award has been issued.
7. Month shall mean the calendar month. Day of days unless herein otherwise expressly defined shall mean calendar day or days of 24 hours each.
8. Writing shall include any manuscript, type written or printed statement under or over signature and or seal as the case may be.
9. When word “approved” “subject to Approval” “Satisfactory” “Equal to” “Proper” “Requested”, “As directed”, “Where Directed”, “When directed”, Determined by”, “Accepted”, “Permitted”, or words and phrases of like importance are used, the approval judgment, direction etc. is understood to be function of Municipal Corporation Rohtak.
10. “Contract period” shall mean the period during which the contractor shall remain liable for the performance of work as per the terms and contract/Letter of Award.
11. Words imparting the singular only shall also include the plural and vice versa where the context so requires.
12. The term “Contract Documents” shall mean the Letter of Award along with its enclosures and attachments which shall be deemed to form an integral part of the contract.

Executive Engineer-I,
For Commissioner,
Municipal Corporation, Rohtak

Section-5

DNIT

Name of work: Supply, Installation, and Maintenance of IP Based 1.3 Mega Pixel CCTV Cameras for City Surveillance

Sr. no	Items	Description of items	Rate to be quoted by agency
1	Outdoor IP Camera	1.3 Mega Pixel with IR Camera Sensor, IP 66 Certified with casing	Each
		H.264 & Dual Stream Encoding	
		Long Distance Field of View, with proper metal housing	
		Support ONVIF 2.0, CMS, Mobile View, Cloud Server, P2P, WDR-100DB or Better.	
		Support Auto Detection NVR & Auto Correct	
		D&N (ICR), DC 12V	
		Integration of live feed of all cameras with Insta VMS Security Surveillance System, UL Certified.	
2 (A)	NVR	Embedded LINUX Design, Dual Core DSP, pure hardware compression, watchdog (16 Channel)	Each
		Hard Disk store, HDMI high definition show, IP network video input	
		1080P high defination IP Camera Input	
		Support IPC dual stream input ,motion and device add, recording ,preview and configuration automatically	
		H.264 compression, support recording store, local playback & internet access remote recording inquire, Support Raid 0125	
		Support FTP/PPPOE/DHCP/DDNS/NTP/UPnP protocol	
		Resolution: 1920 x 1080 @25FPS, 1280 x 720 @25FPS, 704 x 576 @25FPS	
		H.264 compression, 400FPS @720P	
		Support 1080P @25FPS with 1/4 picture, 360P @25FPS with 9 pictures preview, 1080P @25FPS with 1 picture	
		HDMI, VGA Output, Support 1280 x 1024 @60Hz, 1920 x 1080P @ auto show resolution	
		1 Channel Audio Input & Output, RCA Interface, support 2 way intercom with IPC & Client	
		4 x SATA II Interface, 2 x 3.5 inch SATA hardware, supports 4TB HDD	
		2 x USB interface, V2.0, support mouse operation & U disk recording back up	
		Support Mouse & OSD, real time video transmission, WEB Monitor client, support CMS platform	
Administration system application			
Camera feed integration with Insta VMS Security Surveillance System Supported, UL Certified			

2B	NVR	Embedded LINUX Design, Dual Core DSP, pure hardware compression, watchdog (32 Channel)	
		Hard Disk store, HDMI high definition show, IP network video input	
		1080P high defination IP Camera Input	
		Support IPC dual stream input ,motion and device add, recording ,preview and configuration automatically	
		H.264 compression, support recording store, local playback & internet access remote recording inquire, Support Raid 0125	
		Support FTP/PPPOE/DHCP/DDNS/NTP/UPnP protocol	
		Resolution: 1920 x 1080 @25FPS, 1280 x 720 @25FPS, 704 x 576 @25FPS	
		H.264 compression, 400FPS @720P	
		Support 1080P @25FPS with 1/4 picture, 360P @25FPS with 9 pictures preview, 1080P @25FPS with 1 picture	
		HDMI, VGA Output, Support 1280 x 1024 @60Hz, 1920 x 1080P @ auto show resolution	
		1 Channel Audio Input & Output, RCA Interface, support 2 way intercom with IPC & Client	
		8 x SATA II Interface, 2 x 3.5 inch SATA hardware, supports 4TB HDD	
		2 x USB interface, V2.0, support mouse operation & U disk recording back up	
		Support Mouse & OSD, real time video transmission, WEB Monitor client, support CMS platform	
		Administration system application	
Camera feed integration with Insta VMS Security Surveillance System Supported, UL Certified			
3	Power Supply for Camera	Branded power supply for the outdoor IP Camera,	Each
4	WD/Segate Sata HDD for NVR	Branded HDD 4TB for NVR - Segate/Westren Digital	Each
5	Peripherals - Media Converter	Branded Media Converter of TP Link/D-Link or similar/Equivalent make & model Multi Mode (in pair). Module should include the ability to be used as a standalone device (no chassis required). Ability to transmit at extended fiber optic distances utilising multimode fiber upto long distances. EMI Compatiblity : FCC Class A , VCCI Class A , CE Certification, Class A	Each
6	Peripherals - Patch Cord	Patch Cord to compliment the Media Converter Multi Mode (in pair). This fiber optic patch cable should features 62.5/125 micron Multi Mode & 9/125 micron Single Mode (Simplex & Duplex Model). This cable exceeds industry standards for fiber optic data/media transmission. Cable should have the following features: Push-pull locking system, 3mm - 2mm & 0.9 Micron Protective Outer Jacket, Molded form construction , Immune to electrical interference. Cables should be 100% optically inspected and tested for insertion loss. Test reports are to be enclosed along with each Patch Chord.	Each

7	Peripherals - Patch Channel	Branded 5 Channel Patch of D-Link or similar/Equivalent make & model	Each
8	Peripherals - Joint Enclosure	Branded Joint Enclosure of TP Link/D-Link or similar/Equivalent make & model - Advanced internal structure design , High quality ABS, compact and lightweight Casing. Ability to resist Lightning strike, erosion & aging. Logical design, waterproof structure, easy installation, convenient maintenance. Easy to re-enter, Shouldn't force the usage for re-entry kits. Elastic seal fitting. Option for future upgrades.	Each
9	Peripherals - Copper Wire	Branded Wire for Connectivity to the Camera	Meter
10	Peripherals - RJ 45 Cable	Branded Wire for Connectivity and power supply to the Camera.	Each
11	Peripherals - Optic Fiber Attenuators	These fibre optic attenuators are to be used in optical systems where the optical power from a source is too high for the test equipment in use. The fixed optical fiber attenuator introduces an in-line fixed loss that will reduce the source power to an acceptable detection level. These attenuators should low return loss and works at both 1310nm and 1550nm wavelength range. Features should include: Wavelength attenuation stability , Environmental stability, Low back reflection , Low attenuation tolerances, Compact & readily panel mountable, Multiple fiber types for use in different systems and applications , UPC (Ultra Physical Contact) Polish, Operation Wavelength (nm) : 1310nm, 1550nm and 1310/1550nm dual wave lengths, Metal ion doped fiber , High-power light source durability, Attenuation levels from 1dB to 30dB with standard and premium tolerances	Each
12	Peripherals - Small Form Factor Pluggables	Pluggables working at 1310nm wavelength, could use with both multimode optical fiber and single mode optical fiber, it is small size transceiver with LC interface and it is hot swappable, easy to use, no need further configuration. It is used in Gigabit network and its working distance could reach 10km max, data transfer rate at 1Gbps and it works based on IEEE 802.3z standards. Features should include: Compliant with FP MSA , Compliant with ITU-T G.957 and G.958 , Compliant with Industry Standard RFT Electrical Connector and Cage, Up to 155Mb/s bi-directional data links ,1310nm FP Laser for 15Km and 40Km Transmission , Extended Operating Temperature Range(070), Hot Pluggable EEPROM with Serial ID functionality ,Duplex LC Connector Interface , Low EMI and Low power dissipation , Class 1 Laser Product Compliant with the Requirements of IEC 60825-1 and IEC 608252 , Gigabit Ethernet Switches and Routers, Fiber Channel Switch Infrastructure , XDSL Applications o Metro Edge Switching , Hot-Pluggable SFP Footprint LC Optical Transceiver ,Digital Diagnostic Function	Each
13	Peripherals - Fiber Optic Connector	Fiber Optic Connector to compliment the Fibre Optic & other cables.	Each

14 (A)	Power Backup	Appropriate Power backup system for uninterrupted power supply to the surveillance system 1KVA.	Each
14 (B)	Power Backup	Appropriate Power backup system for uninterrupted power supply to the surveillance system 2KVA.	Each
15	Casing for power backup system	Appropriate weather proof casing to compliment the power backup system along with required for all other accessories as mentioned above.	Each
		PS: The term 'Branded' herein refers to the surveillance system whose trademark has been registered, allotted registered symbol (not TM) & approved for usage by the registrar of trader marks of India.	
		Video & Power Cable connectivity to be provided upto the site where camera is to be installed by the local/district authorities otherwise appropriate compensation as deemed fit by mutual consent between the authorities & vendor would be provided.	
16.	AMC	Annual maintenance contract inclusive all electrical & Electronics equipment used in the City Surveillance Project.	Per year Per Camera Rate to be quoted

Signature of the Bidder

Full Name (In block Letters)

Postal Address:

Phone no.

Email:

Section-6

Name of Work:- Supply, Installation, and Maintenance of IP Based 1.3 Mega Pixel CCTV Cameras for City Surveillance

Name of Locations:-

1. Ambedkar Chowk.
2. Sukhpura Chowk.
3. New Bus Stand
4. Gohana Adda.
5. Sheela Bye-Pass Chowk.
6. Court Complex, Rohtak.
7. Sonapat Stand.
8. D-Park Main Chowk.
9. D-Park Hon'ble CM House Street.
10. Bhiwani Stand Chowk.
11. Delhi Bye-Pass Chowk.
12. Old Bus Stand Hissar Bhiwani T Point.
13. Quilla Road Entry.
14. Durga Bhawan Chowk.
15. Agarshen Chowk Near Railway Station.
16. Sunaro Wali Gali Railway Road.
17. DLF Road (Pappu Bakery "T" Point).
18. Ashoka More "T" Point.
19. Power House.
20. Jhajjar Chungi Chowk.
21. Kacha Beri Road Chowk.
22. Shori Market Cloth.
23. Vaish College Main Gate, Janta Colony Rohtak.

Executive Engineer-1
For Commissioner
Municipal Corporation Rohtak