

NALSAR UNIVERSITY OF LAW, Shameerpet, Hyderabad

**[Website: www.nalsar.ac.in]**

**TENDER DOCUMENT FOR INSTALLATION AND MAINTENANCE OF CCTV SURVEILLANCE SYSTEM**

**LAST DATE FOR RECEIPT OF Tender *April 19th 2018 at 3:00 PM***

DATE & TIME OF OPENING PRE Qualification Bid: ***April 19th 2018 at 3:30 PM***

PRICE Rs. 500

# TENDER DOCUMENT FOR INSTALLATION AND MAINTENANCE OF CCTV SURVEILLANCE SYSTEM

TENDER NOTICE NO. : IT Dept/NALSAR/01/2017-18, dated: 19/03/2018

DATE & TIME OF OPENING TENDER (Pre-Qualification bid only):

***April 19th 2018 at 3:30 PM***

Latest time and date for receipt of Pre-qualification, Technical and Commercial bids:   
***April 19th 2018 at 3:00 PM***

NAME AND ADDRESS OF TENDERER : The Registrar,

NALSAR University of Law

Justice City,

Shameerpet, Hyderabad- 500101

**TENDER PURHCASE DETAILS:**

1. In cash: Rs. 500/- (Amount deposited in the Account of Registrar, NALSAR University, Hyderabad) incase tender document required to purchase …………………..
2. Rs. 500/- (If the Tender Downloaded from internet) Demand Draft No.

date in favor of the Registrar NALSAR, Hyderabad.

# TENDER DOCUMENT FOR INSTALLATION AND MAINTENANCE OF CCTV SURVEILLANCE SYSTEM

**By**

**NALSAR UNIVERSITY OF LAW**, Shameerpet**, Hyderabad**

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### SECTION – I

1. **Invitation for Bids**
   1. The university proposes to install the surveillance system at various locations in NALSAR University campus. The NALSAR University is looking for vendors who have experience in supplying and installing the security Surveillance system.
   2. Tenderers are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially responsive to the Tender document in every respect will be at the tenderer’s risk and may result in the rejection of the bid.
   3. Sealed offers prepared in accordance with the procedure enumerated in Clause 1 of Section II should be submitted to The Registrar, NALSAR University of Law, not later than the date and time laid down, at his address given in the schedule for invitation to Tender under Clause 1.26 of Section I.
   4. All bids must be accompanied by a bid security of Rs. 30,000/- in the form of Bank Draft / Bankers Cheque drawn from a scheduled bank in favour of the Registrar, NALSAR University of law, Hyderabad, payable at Shameerpet.
   5. This tender document is not transferable.
   6. The categories of items and quantity indicated in the Tender Document are tentative, NALSAR University of law reserves the right to increase or decrease the quantity or delete some or all of the items depending on the needs of the Department/University without assigning any reasons.
   7. The tenderer should indicate specifically the Basic Price, Taxes/Excise duty, other duties (if any), and levies chargeable quantitatively against each item. No additional information will be entertained after due date.
   8. The bids should indicate clearly that the rates are F.O.R. destination, NALSAR University of law Hyderabad.
   9. The tender should be submitted in three cover system i.e. A, B and C. There should be proper indication of the contents on each envelope as indicated in clause 1.1 of section II.
   10. A photocopy of the receipt of Earnest Money (The draft must be in a separate sealed envelope) indicating the amount, tender Notice Number and due date be enclosed with the prequalification bid.
   11. The tenderer should clearly indicate the delivery period and validity period of tender.
   12. The tenderer should clearly indicate the availability of service and maintenance facilities at Hyderabad for the items quoted.
   13. The above mentioned details particularly the Sales Taxes/excise duty GST, any other duty, if not quoted properly, the bid can be cancelled.
   14. **The tenderers are required to quote for each item separately in terms of basic price and all other charges.** Prices be quoted in Indian Currency only.
   15. The Tender should be submitted along with refundable Earnest Money of Rs.30,000/- in the shape of Demand Draft valid for a period of 6 months in favour of The Registrar, NALSAR University of Law Hyderabad. Tenders not accompanied by Earnest Money or incomplete in any respect will be rejected outright.
   16. The Tender must be submitted along with the copies of :

1. Latest Income Tax Return.

2. Previous experience of the Surveillance work

* 1. **The NALSAR University reserves the right to reject any or all tenders without assigning any reason whatsoever**.
  2. The tenders will be opened on the date and time indicated in the presence of tenderers if any present on the occasion. If the date of opening is declared to be a holiday the tenders will be opened on the next working day.
  3. **No advance payment or payment against Performa invoice will be made. Payment will be made after Installation & inspection/testing of surveillance system only.**
  4. All damaged or unapproved goods shall be returned at the Tenderer risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party. Printed conditions of the firm sent along with the quotation, if any, shall not be binding on us.
  5. Packing list must be put in all packages.
  6. On acceptance of tender, the date of installation should be strictly adhered to otherwise; NALSAR reserves the right not to accept the delivery in full or in part. In case the order is not executed within the stipulated period, NALSAR will be at liberty to make purchases through other sources, and to forfeit the earnest money of the Tenderer.
  7. No claim on account of payment of octroi etc. Hyderabad shall be accepted.
  8. Payment of bill will be made through by crossed account payee Cheque drawn on the Indian Bank, Shameerpet Hyderabad. The decision to install the system shall be taken on comprehensive solution. The purchase of any item is dependent of other items quoted by the firm. However, It is not binding on the department to purchase all the items quoted by any particular firm.
  9. Bid invitation is on turnkey basis

### Schedule for Invitation to Tender

1. Address at which tender is to be submitted:

The Registrar,

NALSAR University of Law

Justice City,

Shameerpet, Hyderabad- 500101

Latest time and date for receipt of tender: ***April 19th, 2018*** *at 3.00 p.m.**at 3.30 p.m*

1. Place, Time and Date of opening of Tender : Place: Office of Registrar

NALSAR University, Shameerpet.

Time & Date ***April 19th, 2018*** *at 3.00 p.m.*

1. Date till which the tender is valid:

60 days from the opening of technical bid.

Installation of whole equipment will be within 6 weeks after the allotment of tender.

NALSAR University shall not be responsible for any postal delay about non-receipt/non-delivery of the documents.

### SECTION – II

1. **Procedure for submission of Bids**
   1. It is proposed to have a Three Cover System for this tender
      1. Prequalification Bid in one cover with cover super scribing the wordings “Prequalification Bid: CCTV ”
      2. Technical Bid (in duplicate) in one cover.
      3. Commercial bid (in duplicate) in one cover.
   2. Each copy of Technical Bid of the Tender should be covered in a separate sealed cover super scribing the wordings “Technical Bid”. Each copy should be marked as “Original Copy” and “First Copy”. Both should be put in a single sealed cover super scribing the wordings “Technical Bid”.
   3. Each copy of Commercial Bid of the Tender should be covered in a separate sealed cover super scribing the wordings “Commercial Bid”. Each copy should be marked as “Original Copy” and “First Copy”. Both should be put in a single sealed cover super scribing the wordings “Commercial Bid”. Commercial Bid should only indicate prices (Preferably item-wise).
   4. The documents viz. Technical Bid Cover and Commercial Bid Cover prepared as above are to be kept in single sealed cover super scribed with   
      “ CCTV SURVEILLANCE SYSTEM”
   5. The cover thus prepared should also indicate clearly the name and address of the tenderer to enable the Bid to be returned unopened in case it is declared “late”.
   6. A photocopy of the received of Earnest Money, if paid in cash, must be enclosed along with the Tender. In case the Earnest Money is paid by Demand Draft, the draft must be in a separate sealed envelope indicating the amount, tender Notice Number and due date and enclosed with the bid.

### Cost of Tender

The tenderer shall bear all costs associated with the preparation and submission of its Bid, including the cost of presentation for the purpose of clarification of the bid, if so desired by the client and the client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering Process.

### Clarification of Tender Document

A prospective tenderer requiring any clarification of the Tender Document may notify the client in writing at the Client’s mailing address indicated in Clause 1.26 of Section I. The Client will respond to any request for clarification of the Tender Document, received not later than 07 working days prior to the last date for the receipt of bids prescribed by the Client. In case of any further clarification on any of the points in the tender, if required, a meeting can be held.

### Amendment of Tender Document

* 1. At any time prior to the last date for receipt of bids, the client may for any reason, whether at its own initiative or in response to a clarification requested by a prospective Tenderer, modify the Tender Document by an amendment.
  2. The amendment will be notified in writing or by telex or E-mail to all prospective Tenderers who have received the Tender Documents by post and will be binding on them. Those who download the form announcement regarding amendment shall be notified on the website www.nalsar.ac.in .
  3. In order to afford prospective Tenderers reasonable time in which to take the amendment into account in preparing their bids, the Client may, at its discretion, extend the last date for the receipt of the Bids.

### Language of Bids

The bids prepared by the Tenderer and all correspondence and documents relating to the bids exchanged by the Tenderer and the Client, shall be written in English language, provided that any printed literature furnished by the Tenderer may be written in another language so long as accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

### Documents comprising the Bids

* 1. The Bids prepared by the Tenderers shall comprise of following components: -

### Prequalification Bid shall consist of the following

**Qualification Criteria**

1. The bidder should have dealt in Supply & Installation work in CCTV Surveillance at least from the last five years. The proof of installation of CCTV Surveillance in any govt. organization five years back should be attached with the tender.
2. The bidder should have Service center in Hyderabad and proof of local registered service tax no. GST No in the name of bidder should be attached with the tender.
3. The bidder should have successfully minimum three local installations in Govt. organization/Public sector undertaking & the value of the single order should not be less than 30 lacs / two orders of 15 lac in the last three years.
4. The bidder should have authorized dealer of quoted product and the latest certificate from the manufacturer only should be attached with the bid.
5. The office of the manufacturer should be in India at least from the last five years and the quoted product should be in the production.
6. The Satisfactory Certificate of any two govt. organization/Public sector undertaking should be attached with the bid where the bidder has installed the CCTV Surveillance.
7. Documents to be attached with pre-qualification bid are
   1. Latest income tax return of the company.
   2. Profile of the company
   3. Filled Performa for pre-qualification bid
   4. Envelope containing Earnest money of Rs 30,000/- by Demand Draft, In favor of The Registrar, NALSAR Hyderabad.
   5. Address of Local Service Center

### Technical Bid shall consist of the following: -

* + - 1. Technical Bid for the equipment should furnished all technical details of the product along with manufacturers name and model to be used in surveillance system.
      2. Technical literature for each product/service, covering full technical specifications.
      3. The company should provide of mechanism of laying the cables with its technical detail.
      4. Certifications of the Cameras.
      5. Must fill the performa provided in section Technical bid.

### Commercial Bid consisting of the following: -

* + - 1. Bid prices duly filled signed and complete as per the technical bid along with approximate cost of the total project.
      2. Maximum educational discount as could be offered should also be mentioned.

PERFORMA TO BE FILLED IN BY THE FIRM FOR PREQUILIFICATION .

|  |  |  |
| --- | --- | --- |
| Names of Satisfied Organizations/Inst.  /Company. With contact address | **1.**  **2** | Contact address |
| Income Tax Return | **Year** |  |
| Registered Service Center Address in  Hyderabad |  |  |

**Technical Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.**  **No.** | **Specifications** | **Conformance Yes/ No** | **Deviation if any** |
| **1.0** | **General Requirements** |  |  |
| **i)** | It is intend to purchase CCTV System to cover sensitive areas of the NALSAR University, Shameerpet and the connectivity of all the cameras to DVRs through RG6 cable for completion of project. All the DVRs laying in different blocks and again connected through LAN network to the main Security office & VC office or desired by the purchase committee. |  |  |
| **ii)** | Application of the CCTV Surveillance should include the generating alarms, recording on the basis of motion detection and  private zone masking. |  |  |
| **iii)** | The Recording of CCTV cameras should be clear & the recording resolution should be D1 quality. The DVR should also give  minimum 25fps per channel on live display and recording. |  |  |
| **iv)** | The Recording & display can be viewed on network and by the individual department where the DVRs are installed. |  |  |
| **v)** | The recording of the DVR can be viewed on the remote location on network. The recording also should be record on remote location. |  |  |
| **vi)** | If the DVR generated any alarm it should be E-mail to the desired  person as required by authority. |  |  |
| **vii)** | All the CCTV cameras and DVRs should have certification as given in specifications. The Certificate Should be attached with  the bid. |  |  |
| **viii)** | The bid must be complete with all equipment’s and required  accessories along with necessary power system plugs, Video connectors and brackets. |  |  |
| **ix)** | The authorization that the items quoted by bidder are in production and latest in this technology as on delivery of the  material. The after sale service support by minimum 10 years. |  |  |
| **x)** | The all outdoor weather proof housing should be IP66 with heavy  duty brackets. |  |  |
| **xi)** | All the software and the firmware are upgrades shall be free of charges for at least 10 years. **Free of cost Complete Maintenance of every product including accessories for two**  **years from the date of installation.** |  |  |
| **xii)** | The CMS software of DVR Should support at least 64 cameras on LAN or WAN network. |  |  |
| **xiii)** | The PTZ Cameras, IP Cameras, DVRs and LCD monitors should  be the reputed brands. |  |  |

Technical Specification

**Technical specification mentioned below are the minimum. any better specification will also be accepted**

|  |  |  |
| --- | --- | --- |
| **IP PTZ Camera**  Auto tracking IP PTZ Dome Camera | | |
| General Type | Standard Resolution 37x PTZ Dome | |
| Camera Image Sensor | 4.5mm (1/4 Type) EX-view HAD CCD | |
| Lens | 37x Zoom | |
| Resolution | Up to 704 x 480 / 704 x 576 (N/P) | |
| Min. Illumination | Color : 0.003 Lux / 0.6 Lux @ Sens-up Off | |
| B/W : 0.0001 Lux / 0.1 Lux @ Sens-up Off | |
| Image Enhancement | Backlight Compensation / Exposure Control/ Sens-up/  AGC | |
| White Balance/ Privacy Masking / EIS /Sharpness / Digital  Zoom | |
| PTZ Optical Zoom | 37x | |
| Panning Range & Speed | 0°~360°, Max. 400°/Sec | |
| Tilting Range & Speed | 0°~180°, Max. 400°/Sec | |
| Auto Panning | Yes | |
| Preset/ID | 128 or better | |
| Video/Audio Video Compression | H.264 | |
| Frame Rate | 25 fps @ D1 (PAL) + 25 fps @ CIF (PAL) | |
| Event Notification | Relay Out / Email / FTP | |
| Network Ethernet | 10/100 Ethernet | |
| Security | Password Protection, HTTPS(SSL, TLS) | |
| Protocol | TCP/IP(IPv4), HTTP, HTTPS, UDP, DHCP, FTP, SMTP, | |
| ONVIF | Compatible | |
| Connections | 6 or more | |
| Misc. Ingress Protection | Vandal Proof / IP66 | |
| Certification | UL,FCC, CE |  |
| **Along with Mounted Brackets, weather proof housing SMPS power supply etc.** | | |

**Camera with recognition feature of vehicle license plate**

|  |  |
| --- | --- |
| IP **Camera for recognition feature of vehicle license plate.**  1.3Mega Pixel Resolution ,1/2.8 Type progressive Scan CMOS | |
| Min. Illumination | Color : 0.3 Lux @ F1.2 ; B/W : 0.005 Lux @ F1.2 |
| Image Enhancement | Backlight Compensation / 3D-DNR / Exposure Control / Sens- up Control / AGC / White Balance / Privacy Masking / EIS /  Sharpness / Digital Zoom / Auto back Focus |
| Frame Rate | 30 fps @ 1280 x 1024 |
| + 30 fps @ D1 |
| Multi-Streaming | Dual Streaming |
| Video Analytics  Embedded | Intruder Detection, Crossing Line, Object Removal, Object  Counting, Tampering |
| Ethernet | RJ-45 10/100 BASE-T |
| Security | Password Protection, HTTPS(SSL, TLS) |
| Connections | Up to 10 |
| ONVIF | Compatible |
| Certification | UL, FCC, CE |
| Event Notification | Relay out/Email/FTP |

**OR**

|  |  |
| --- | --- |
| **NPR Analog Camera: High Resolution** | |
| Video system | PAL/NTSC |
| Sensor | 1/3” HAD II CCD |
| Resolution Color | PAL: 795 (H) X 596 (V) |
| :600 TVL B/W 650 TVL |
| Video Output | 1.0Vp-p/75Ω Video Composite video signal |
| Control Mode | OSD/Remote RS485 |
| SNR | 50dB (AGC OFF) |
| Illumination | 0.1 Lux/F1.2 |
| DNR | 2D |
| IR LED | Distance 60-80m |
| Gamma Correction | 0.45 |
| White Balance | ATW/AWB/Manual |
| H-Mirror | On/Off |
| Park Line Display | On/Off |
| Lens | 6-60mm DC lens |
| Electronic Shutter | PAL:1/50~ 1/120000 sec |
| Certification | UL, CE |

## Fixed Camera

|  |  |
| --- | --- |
| **IP CAMERA** | |
| General Type | 1.3 Mega Resolution Box or better |
| Camera Image Sensor | 1/2.8 Type Progressive Scan CMOS |
| Resolution | Up to 1,280 x 1,024 |
| Min. Illumination | Color : 2 Lux @ F1.4; B/W : 0.1 Lux @ F1.4 |
| Image Enhancement | Backlight Compensation/3D-DNR/ Exposure Control/Sens-up Control  /AGC/White Balance/ Privacy Masking / EIS / Sharpness / Digital Zoom |
| Video/Audio Video  Compression | H.264 / MJPEG |
| Frame Rate | 30 fps @ 1,080p |
| Network Ethernet | 10/100 Ethernet |
| Security | Password Protection, HTTPS(SSL, TLS) |
| Protocol | TCP/IP(IPv4), HTTP, HTTPS, RTP, RTSP, UDP, DHCP, FTP, SMTP, NTP, ARP, ICMP, DDNS(LG), PSIA, LG  Protocol |
| ONVIF | Yes |
| SD Card Slot | Yes |
| Certification | UL, FCC, CE |
| Connections | 6 and More |

|  |  |
| --- | --- |
| **Sr.**  **No.** | **PC Workstation(Server)** |
| 1 | CPU: Intel Xeon E 5310, 1.6 GHz 2 Processor Quad Core 8 MB L:2 cache to be supplied with two processors  Mother board: Intel E 5000 or better on Intel or equivalent OEM Mother Board. |
| 2 | Motherboard should be capable of 1333 MHz FSB. Slots: 2 PCI Express and # PCI  Memory: 4x1GB 533 MHz DDR2 RAM |
| 3 | Hard Disk drive: 6x144 GB, 10,000 rpm SAT/SATA/FC |
| 4 | RAID Controller: Minimum 3 Port SAS Controller with 128 MB cache |
| 5 | Monitor: SVGA Digital colour Monitor (support 1024x768 NI Resolution ) MPR II  compliant or TCO -03 Certified |
| 6 | Video Controller: TO support XGA resolution |
| 7 | Keyboard: 101 Keys keyboard, mouse: optical Mouse Bays: 4 Bays(Minimum 2 internal )  Ports: 3 USB Port, 1 serial port ` |
| 8 | Cabinet: Rack Mount |
| 9 | Certification: Windows, Red Hat or Novell certified, Compliance and support |
| 10 | DVD ROM: 8x or better DVD ROM Drive |
| 11 | Power Supply: Redundant Power Supply |
| 12 | Networking: Dual LAN (10/100/1000) Network Card with assets tracking and features  security management, remote wake up |
| 13 | Power management: Screen blanking, 4 hard disk and system idle mode in power on,  Set up password, power supply surge protected, automatic server reboot. |
| 14 | Windows 2008 Svr . std 32 bit R2 English MOLP with Media, Manual and SA 5 user license for windows 2008 Client Access license (CAL) and SA  Graphics Accelerator card PCI express 1 GB |

|  |  |
| --- | --- |
| **Sr. No** | **LED Monitor High Resolution (Make Sony/Panasonic/LG/etc.)** |
|  | * Screen size 42” * Maximum Resolution 1920 x 1080 or 1920 x 1200 * Brightness 500 cd/m2 * Contrast Ration 50000:1 * Response time not less than 5 ms * One VGA output and one BNC * Viewing angle 178 degree/ 178 degree * Aspect Ratio 16:9 or 16:10 * Minimum one speaker Built. |

|  |  |  |  |
| --- | --- | --- | --- |
| DVR 4 Channel | | | |
| Video | | | |
| Input | | Analog Camera | 4 |
| Output | | Loop through | 4 |
|  | | Composite | 1 |
|  | | VGA | 1 |
|  | | Spot | 1 |
| Audio | | | |
| Input | | | 4 |
| Output | | | 1 |
| Alarm | | | |
| Input | | | 4 |
| Output | | | 1 |
| Alarm Notification to remote PC | | | Yes |
| Recording “Frame rate (/sec) PAL” | | | Up to 100 fps @ 352x288  Up to 50 fps @ 704x288 Up to 25 fps @ 704x576 |
| Quality level | | | 5 Levels |
| Recording mode | | | Continuous, Alarm, Motion, Instant |
| Search | | | |
| Playback Function | | | FF,FB, Frame Advance |
| Search Mode | | | Date/time, Event(Motion Alarm ), Bookmark |
| Display Frame rate(/sec) PAL | | | 100 Fps |
| Display Division Mode | | | 1,4 |
| Storage | | | |
| Internal HDD Interface Type | | | SATA |
| Max.  Capacity | | | Up to 2HDDs |
| External HDD Interface Type | | | USB |
| Backup | | | |
| Backup interface | | | 3 x USB 2.0, Network |
| Supportable Device | | | Memory Stick, External ODD, HDD |
| Serial 1/F | | | |
| PTZ Control | | | RS-485(x2) |
| Network | | | |
| Network Connection | | | Ethernet 10/100M, RJ-45, DDNS, TCP-IP |
| Network transmission speed NTSC | | | Up to 30 fps @ 352x240 |
| PAL | | | Up to25 fps @ 352x288, |
| NTP(Network time Protocol) | | | Yes |
| Bandwidth Control | | | Yes |
| VMS Software for camera | | | |
| Sr.No |  | | |
| 1. | VMS data center web portal shall provide a function which could search ONVIF compatible devices automatically in network, supports to configure and  add them in batch | | |
| 2. | **Channel division:-** 1, 2 X2, 3, X3, 4 X4, 6 X6, 8 X8, | | |
| 3. | **PTZ Control using mouse & GUI** | | |
| 4. | **Dual Codec:-** (H.264/MJPEG) | | |
| 5. | Multiple camera search (Different time) at the same time | | |
| 6. | **VCA:-** Crossing line, intrusion, Detection, object Counting, tampering, Object  removal(option) | | |

Price Bid for Installation of CCTV Surveillance

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.no** | **Description** | | | | |  |  | |  | |  | |  | |  | |  | | **Make** | | | | | **Qty** | **Unit** | | **Unit Rate** | | | **TAXES** | | **Unit rate with** | | Amount | |
|  |  | |  | |  | |  | |  | |  | |  | |
|  |  | |  | |  | |  | |  | |  | |  | |
|  |  | |  | |  | |  | |  | |  | | **Taxes** | |
|  |  |  |  | |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |
|  | 5 MP Fixed HD ip Cameras with | | | | | | | | | | | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 1 | inbuilt | | IR | | and | | Onvif | | | | based, | | | | | | IR | | HIKVISION | | | | | 6 | Nos | |  | | |  | |  | |  | |
| Range 50 mtrs with Micro SD | | | | | | | | | | | | | | | | | |
|  |  | | | | |  |  | |  | | |  | |  | |  | |
|  | slot |  |  | |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | 3 MP PTZ HD IP Cameras with | | | | | | | | | | | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 2 | inbuilt | | IR | | and | | Onvif | | | | based, | | | | | | IR | | HIKVISION | | | | | 8 | Nos | |  | | |  | |  | |  | |
|  | Range | | 50 | | mtrs | | with | | | | Micro | | | | | | SD | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | | | | | | | | | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 3 | 32 channel NVR with 8 TB HDD | | | | | | | | | | | | | | | | | | HIKVISION | | | | | 1 | Nos | |  | | |  | |  | |  | |
|  |  | | | | | | | | | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
| 4 | 128GB Micro SD card | | | | | | | | | |  | |  | |  | |  | | Reputed | | | | | 14 | Nos | |  | | |  | |  | |  | |
|  |  | | | | | | | | | | | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | Supply,Installation,Testing and | | | | | | | | | | | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 5 | Commissioning of 32" LED | | | | | | | | | | | | | |  | |  | | LG/PANASONIC | | | | | 1 | No | |  | | |  | |  | |  | |
|  | monitor with HDMI cable | | | | | | | | | | | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | Supply,Installation,Testing | | | | | | | | | | | | | | and | | | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | Commissioning | | | | | | of | | fully | | | | loaded | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 6 | 12 | port | | | LIU | | with | | | | adaptors, | | | | | | | | Reputed | | | | | 10 | Nos | |  | | |  | |  | |  | |
|  | Pigtails | | and | | | |  | | all | | required | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | accessories with Splicing. | | | | | | | | | | | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  |  | |  | | |  | |  | | | |  | |  | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 7 | 8 | port | | POE | | |  | | switch | | | |  | | with | | | | digisol | | | | | 14 | Nos | |  | | |  | |  | |  | |
|  | | | 2 SFP | | | |  | |  | |  | |  | |  | |  | | |  |  |  | | |  | |  |  | |  | |  | |
|  |  | |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | 24 port L2 all ports | | | | | | | | | | | | Gigabit | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 8 | switch | | fully | | | managed with | | | | | | | | | | | 04 | | Digisol | | | | | 1 | No | |  | | |  | |  | |  | |
|  | port Fiber uplink SFP . | | | | | | | | | | | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | | | | | | | | | | | |  | | | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | Supply,Installation,Testing | | | | | | | | | | | | | | and | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 9 | Commissioning of 24 port t Cat 6 | | | | | | | | | | | | | | | | | | Reputed | | | | | 1 | No | |  | | |  | |  | |  | |
|  | patch panel | | | | |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | |  |  | | | | |  | | | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
| 10 | Galvanised | | | |  | Pole | | | | | with | | | |  | | all | | OEM | | | | | 10 | Nos | |  | | |  | |  | |  | |
| accessories | | | |  |  |  | |  | |  | |  | |  | |  | |
|  |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
| 11 | 12 U rack | | | |  |  |  | |  | |  | |  | |  | |  | | Netrack | | | | | 1 | No | |  | | |  | |  | |  | |
|  |  | |  | | |  | | | | |  | |  | |  | | | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | Supply | | and | | | Laying | | | | | of | | 6 | | Core | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 12 | Single | | mode | | | | armoured | | | | | | | | Fibre | | | | Surabhi | | | | | 3500 | RMT | |  | | |  | |  | |  | |
|  | optic cable | | | |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
| 13 | Supply and Laying of | | | | | | | | | | 3 core X | | | | | | | | Finolex | | | | | 2500 | RMT | |  | | |  | |  | |  | |
| 1.5 sq mm power cable (armourd) | | | | | | | | | | | |  | |  | |  | |
|  |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | | |  | | |  | | | | | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 14 | Cat6 Cable | | | | | with | | | required RJ45 | | | | | | | | | | Dlink | | | | | 1500 | RMT | |  | | |  | |  | |  | |
| connectors . | | | | |  |  | |  | |  | |  | |  | |  | |
|  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | |  | | |  | | | | |  | |  | | | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 15 | Supply | | and | | | Laying | | | | | of | | 32mm | | | | | | Sudhakar/VIP | | | | | 5500 | RMT | |  | | |  | |  | |  | |
| HDPE pipe | | | |  |  |  | |  | |  | |  | |  | |  | |
|  |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  | Supply, | | Installation,Testing | | | | | | | | | | | | and | | | |  | | | | |  |  | |  | | |  | |  | |  | |
| 16 | commissioning | | | | | | of | | 5KVA | | | | online | | | | | | APC | | | | | 01 | No | |  | | |  | |  | |  | |
| UPS | for | | |  | Internal | | | | | praposed | | | | | | | |
|  |  |  | | | | |  |  | |  | | |  | |  | |  | |
|  | cameras. | | | |  |  |  | |  | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
|  |  | | | | | | | | | |  | |  | |  | |  | |  | | | | |  |  | |  | | |  | |  | |  | |
| 17 | **PCWorkstation(Server)** | | | | | | | | | |  | |  | |  | |  | | | Dell/HP/IBM | | | | 1 | No | |  | | |  | |  | |  | |
|  |  |  |  | |  |  |  | |  | |  | |  | |  | |  | | |  | | | |  |  | |  | | |  | |  | |  | |
| 18 |  |  |  | |  |  |  | |  | |  | |  | |  | |  | | |  | | | |  |  | |  | | |  | |  | |  | |

**\* The quantity mentioned above is subject to change; however for finding out the lowest bidder the above mentioned quantities will be used**

**Total cost of the project:**

**Cost of AMC for another 3 years Cost of AMC for another 5 years**

**Locations for Installations of CCTV Surveillance**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **N.** | **Locations** | **Camera** | | | **NVR**  **32”** | **LCD 32”** | **UPS**  **5KVA** |
|  | **PTZ** | **Fixed Camera**  **(IP)** |
| 1 | **Main Gate** |  |  | **02** | -- | -- | -- |
| 2 | **East side compound wall** |  | 03 | **--** | -- | -- | -- |
| 3 | **North side compound wall** |  | 02 | **--** | **--** | **--** | **--** |
| 4 | **West side compound wall** |  | **02** | **--** | **--** | **--** | **--** |
| 5 | **South side compound wall** |  | 01 | **--** | **--** | **--** | **--** |
| 6 | **Admin Building** |  | -- | **02** | **--** | **--** | **--** |
| 7 | **Library Building** |  | -- | **02** | **--** | **--** | **--** |
| 8 | **Security Room Main Gate** |  |  |  | **01** | **01** | **01** |
|  |  |  |  |  |  |  |  |

Additional requirements:

1. **Server for Control room : Xeon E5310, 6X144GB (spec attached)**

Financial Bid

The Financial Bid may be submitted as per the technical bids covering all possible equipment material required for the installation of the system. (Cost for each item may be mentioned separately) in the form provided above.

Rates for AMC of surveillance system for another 3years Or/And

Rates for AMC of surveillance system for another 5years

# SECTION - IV

**TERMS AND CONDITIONS**

1. The company should adhere with all seriousness to the time schedule provided by the NALSAR University of Law.
2. The products asked for should be of very high standard and of reputed company with authorized service provider in Hyderabad Mutual trust and nature of services provided should motivate the service provider to give more than what is asked for in the agreement.
3. All the rates will be F.O.R, NALSAR University of Law, Shameerpet
4. The Company shall be liable to indemnify the NALSAR University in all respects and meet and pay off the litigation expenses and all the liabilities including damages, sums etc. arising out of and as a consequence of the negligence, deficiencies, mistakes, lapses, delays etc. in the execution of the various jobs and the services provided.
5. The company should ensure quick back up response in case of equipment failure which should be replaced if needed within 24 hours of the distress call.
6. There is no provision for making advance payment to the Company as per NALSAR University of Law rules. However, the running bills for the jobs completed can be submitted by the company and will be cleared for payment within reasonable period after completion of testing and inspection.
7. The Tenderer should be a direct from the company or authorized dealer

/ Distributor of the company and the tenderer should submit an authorization letter strictly from the manufacturer. The manufacturer company office should be in India.

1. The Company should have Local Service Centre (Hyderabad) with adequate stock of spares from the last two years to attend the CCTV complaints round the clock.
2. The all quoted products should have required certificate and be attached with tender**.**

### The company will submit bank guarantee of 5 percent of the cost of the project after complete installation as guarantee towards maintenance of the surveillance system for another two year after successful commissioning.

### The university has right to impose penalty in case the project is not completed in time and if any of the camera remain non-functional for more than 24 hrs.