

# Maulana Abul Kalam Azad University of Technology, West Bengal

(formerly known as WBUT)

## Tender Form

### CCTV Camera System (Revised)

**Notice No** : CCTV/IS/16-17/8R

**Date of Issue** : 26-11-2016

**Last Date of Submission** : 22-12-2016

**D.D. No. for the Tender Price** :

**Address:**

BF-142, Sector-I,

Salt Lake City,

Kolkata-700064

**Tele-Fax No:** (033) 2334-1034

**Phone No.:** (033) 2321-1345

# **Tender Paper for Supplying and installing CCTV Camera System**

a) Name & Address of the Firm :

b) Telephone No:

c) Mobile No.:

d) Fax No:

2. Name of the items for which the Firm is interested:

3. Name of the Proprietors/partners/directors etc:

4. Trade License No (With Photocopy):

5. VAT License No:

6. Service Tax Registration No (With Photocopy):

7. Additional Information if the party wants to include:

8. Copies of Testimonials/credentials/certificates regarding services/experience etc:

**Signature with Stamp**

Please give sealed quotation for the following system clearly superscribing the tender notice number on the envelop.

## Technical Specifications of CCTV Camera System

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### SYSTEM DESCRIPTION:

1. The Video Surveillance system should be an analog video surveillance system. It should consist of a fully **pentaplex DVR** which should be able to Display, Record, Playback, Network, Backup simultaneously.
2. DVR should be networkable and should be accessible by any remote user. This feature should be password protected.
3. The DVR should store / record the video from the cameras in **H.264 compression for optimized storage**.
4. The DVR should perform **video motion detection**
5. The system should have feature to download video remotely
6. Each camera should have a video at HD (720P) and 25 frames for viewing the videos during live as well as for recording purpose at least 4 nos. The recording shall be stored for at least 60 days.

### GENERAL REQUIREMENTS:

- a. Company should have experience in field of CCTV for at 3 years and should have installed PSU / Government / Banks / Educational Institutes.
- b. Turnover of the company should be more than 50 lakhs.
- c. Original Equipment Manufacturer / authorized distributors of Video Surveillance System shall have their registered office with technical support function and service support in Kolkata. Service tax registration certificate to be submitted along with the tender.
- d. **The CCTV installation equipment to have either of CE, FCC, UL standards**
- e. Camera and DVR should be of the same make

## DIGITAL VIDEO RECORDER – DVR (Minimum requirements)

### Features

- ~~16 Video Input Channels~~ 32 Video Input Channels
- H.264 video compression
- Full Channel @ 720p resolution real-time recording, 1080p non-real-time
- HDMI and VGA outputs
- Supports 1 hard disk with up to 6 TB capacity
- Should support up to 4/8-ch synchronous playback at 720p resolution
- CMS compatible

### Technical Specifications

Video Compression	: H.264
Analog Video Input	: <del>16 Channel</del> 32 Channel
HDMI/VGA Output	: 1 @ upto 1920 x 1080P
Encoding Resolution	: 720P / WD1 / 4CIF / CIF
Dual Stream	: Supported
Stream type	: Video
Synchronous Playback	: 16 Channel
Playback resolution	: 720P
Network protocols	: TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SNMP, SMTP, NFS, ISCSI, UPnP, HTTPS
Hard Disk	: 1 SATA Interface
Capacity	: Up to 6 TB capacity for each disk
Network Interface	: 1:10M / 100M self-adaptive Ethernet interface
USB port	: 2 x USB 2.0
Power Supply	: 12 VDC
Consumption	: < 8 w (without hard disk or DVR R/W)
Working temperature	: -10 C to 55 C
Working humidity	: 10% ~ 90%

## **VARIFOCAL LENS – HIGH DEFINITION CAMERA (Minimum requirements)**

### **Features**

- HD advanced IR analog dome / bullet camera
- HD 720p output resolution
- 1.37 MP CMOS sensor
- True / Day night operation
- 3D DNR
- Advanced IR technology with 20m - 40m IR distance
- Ingress Protection: IP 66

### **Technical Specifications**

Image Sensor	: 1/3" Progressive Scan CMOS
Effective Pixels	: 1280 (h) x 720 (v)
Min. Illumination	: 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	: 1/25 (1/30)s to 1/50,000 s
Lens	: 2.8 mm to 12 mm @ F 1.4
Angle of view	: 80 – 27.2 degree
Lens mount	: M12
Angle adjustment	: Pan 0 – 360 degree, Tilt 0 – 75 degree, Rotation 0 – 360 degree
Day & Night	: ICR
Synchronization	: Internal synchronization
Video frame rate	: 720p @ 25 fps / 720p @ 30 fps
HD video output	: 1 Turbo HD output
S/N Ration	: More than 52 db
Operating temperature:	- 10 C to 60 C
Operating Humidity	: 90% or less (non condensing)
Power Supply	: 12 VDC
Power Consumption	: Max 3.5w
Weather proof rating	: IP 66

### **Quantity**

1 DVR with hard disk (with 60 days backup), 16 Bullet Cameras, 2 Dome Cameras, One Display System (Monitor 18", CPU ( OS linux), Keyboard, Mouse)

Quotation should be given for complete wiring along with wire price and power supply of all devices (as required).

Warranty of three years should quoted.

Installation charges should be inclusive in price quoted.

## **General conditions:**

1. The tenderer is required to deposit the tender forms along with relevant papers(mentioned in the form) in two sealed covers mentioning financial bid and technical bid separately.
2. The university reserves the right to accept or reject any tender without showing any reason.
3. Tender for supply of the goods mentioned in the notice may be submitted in full.
4. Tender fee of Rs. 200/- has to be deposited along with the tender papers.
5. All payments should be made through demand drafts in favour of the 'MAKAUT, WB' payable at Kolkata.
6. The last date of receiving of tender paper in the office of the finance officer is 22<sup>nd</sup> December, 2016.
7. Incomplete tender shall be summarily rejected.
8. Subcontracting in any form will not be entitled by the university.
9. All legal disputes shall be subject to jurisdiction of Calcutta High Court.