

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD – 431 004, Maharashtra State (India)

NAAC – Accredited 'A'

University Science Instrumentation Centre

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UNIVERSITY CAMPUS  
AURANGABAD-431004  
(Maharashtra) INDIA

Ref. No. USIC/2019-20/ 06

Date: 18 /04/2019.

Invitation for Quotation

The university invites sealed quotations for supply, installation & commissioning of CCTV system having following material and by using your own tools/instruments and manpower. The CCTV systems should be installed at NIELIT Girls Hostel as per the locations of the items shown in the enclosed maps. Please verify yourself the actual place of installation and actual quantity of material required. The details are as given below.

Sr. No.	Material/Work	Qty.	Make	Model No	Warranty Period
1	<p>Bullet Camera 2.4MP Cosmic Full HD Array Bullet Camera- 60 Mtr. Image Sensor: 1/2.7" 2.4 MP PS CMOS Image Sensor Minimum illumination: 0.02Lux/F1.3 30IRE, OLux IR on Shutter Speed: PAL: 1/25~1/100000s, NTSC: 1/30~1/100000s, S/N Ratio: More than 65dB, White Balance: Auto/Manual, Gain Control(AGC): Auto/Manual, <b>Lens: 2.7~13.5mm Varifocal lens,</b> Back Light Compensation: BLC/HLC/DWDR, Video Streaming: 25/30fps@2.4MP, 25/30/50/60fps@720p. Video Output: 1-channel BNC high definition video output/CVBS standard definition video output (Can switch), ICR: Auto(ICR)/Manual, IR: Array Range of 60 Mtr. OSD: Supports, Operating Temperature: -40C~+60C Less than 90% RH, Power Source: DC12V+/-25%, A.C. 230V through Adopter Weatherproof Standard: IP67,</p>	02 Nos.			
2	<p>Dome Camera 2.4 MP WDR IR Cosmic Vandal Dome Camera – 30 Mtr. Image Sensor: 1/2.9" 2.4MP PS CMOS Minimum illumination: 0.02Lux/F1.3, 30IRE, OLux IR on Shutter Speed: PAL: 1/25~1/100000s, NTSC: 1/30~1/100000s White Balance: Auto/Manual Gain Control (AGC): Auto Manual <b>Lens: 2.7mm-13.5mm varifocal lens</b> Back Light Compensation : BLC/HLC/WDR(100dB) S/N Ratio: More than 65dB Angle of view: H: 104~28 Video Streaming: 25/30fps@2.4MP,</p>	01			



	25/30/50/60fps@720P Video Output: 1-channel BNC high definition video output/CVBS video output (can switch) ICR: Auto (ICR)/Manual OSD: Multi-language IR: IR Range of 30 Mtr. Operating Temperature: -40c~+60C/Less than 90%RH Power Source: DC12V+/-25%, A.C. 230V through Adopter				
3	DVR With 2TB Hard Disk & Mouse 8 Ch. 4MP HDCVI DVR Protocols: HTTP,TCP/IP,iPv4/pv6,Upnp,RTSP,UDP,SMTP,NTP,DHCP,DNS,IP Filter, PPPoE, DDNS,FTP, Alarm Server, P2P,IP Search, ONVIF 2.42,CGI Conformant Power Supply: DC12V/2A Working Temp: -10~+55C/10~90%RH IP Camera Input: 8+4 Channel, each channel up to 5MP Operating System: Embedded LINUX Two-way Talk: Reuse audio in/out, RCA User interface: GUI Video Input: 8 channel, BNC Video output: 1 HDMI (up to 3840 x 2160), 1VGA Video Standard: NTSC(525 Line,60f/s), PAL(625Line, 50f/s) Compression: H.264+/H.264 Video Resolution: 4MP,1080P,720P,960H,D1,HD1, BCIF,CIF,QCIF Video Recording: Main Stream: 4MP(1-15fps) 1080p/720p/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps), Sub Stream: D1/CIF/QCIF(1~25/30fps) Video Display Split: 1/4/8/9/16 Audio Input: 1 channel, RCA Audio Output: 1 channel, RCA Motion Detection: MD Zone: 396(25 x 18) Video Loss: Supports Camera Blank: Supports Smart Phone: iPhone, ipad, Android Phone Hard Disk: 1 SATA port, up to 6TB Trigger Events: Recording, PTZ, Tour, Video push, Email, FTP, Snapshot, Buzzer and Screen Tips Recording Mode: Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Search Mode: Time/Date, Alarm, MD and Exact Search (accurate to second) Playback: Play, Pause, Stop, Rewind, Fast play, Slow play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full screen, Repeat, Shuffle, Backup selection, Digital Zoom Backup Mode: USB Device/Network Interface ports: 1 HDMI, 1 VGA, 1 RS485, 2 USB ports (1 USB 2.0, 1 USB 3.0) Max User Account: 128 users Record Interval: 1~60 min (default: 60min), pre-record: 1 ~ 30 sec. post-record: 10~300 Sec Ethernet: 1 RJ-45 Port(1000M) Power Source: A.C. 230V	01No			
04	Monitor 17 inch Full HD Monitor with wall mounting kit.	01 No			
05	DVR Rack 4U 4 U Rack with spike Guard & Exhaust Fan, lock system.	01 No			
06	Inter connection cable and accessories RG59B/U cable as per specification enclosed. Installation on wall in PVC Casing & capping having thickness 1.2 mm.	Actual required for installation			



Our total rate for Entire Material Supply as given above and Installation Work at NIELIT Girls as per the **enclosed maps having our sign & Seal**, inclusive of all taxes and any other charges and considering terms & conditions given herein above is Rs. \_\_\_\_\_

In Words Rs. \_\_\_\_\_

**Sign & Seal of the bidder**

If you are interested, please **quote your rate in above format only**, inclusive of all taxes and any other charges and considering terms & conditions given herein below.

**Terms & Conditions.**

- 1) Warranty should be provided for any defects in the supplied material and carried out work. The period of warranty should be clearly expressed in your quotation & scope of warranty should include all the material and services required to set right the defects in the carried out work if reported to you during the warranty period.
- 2) You will have to deposit 5% of the cost of supply/work order as perform security deposit for the period of warranty offered in case the cost of supply/work order exceeds Rs. 1,00,000/-
- 3) The work should be carried out during office hours at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during office hours.
- 4) The supplier should take care not to damage any infrastructure like furniture, electrical, telecommunication cables and water pipes etc. while carrying out the work. The supplier should be responsible to set-right any such damage at his own cost if occurs during installation work.
- 5) Payment shall be made by cheque after complete execution of the ordered work & its acceptance by the University for Correctness in quality & quantity.

Please send your quotation to, Head, USIC, Dr. Babasaheb Ambedkar Marathwada University Aurangabad **on or before 26/04/2019 up to 04:00 pm** in sealed envelope super scribed as =

**"Quotation for CCTV Systems due on 26/04/2019".**

**Please enclose following mandatory documents** along with the sealed quotation envelope.

1. Copy/Receipt of updated Registration of Business or Shop Act License.
2. GST registration.
3. Copy of PAN card.
4. Copy of certificate of Authorized Dealer/distributor/Manufacturer/Service Provider if any.

  
Head

University Science Instrumentation Center (USIC),  
Dr. Babasaheb Ambedkar  
Marathwada University, Aurangabad

Copy to: Director, U.N.I.C. for publishing this Quotation Invitation on university's website.







## Specification

Construction Type	Non-armored
Center Conductor	Material Bare Copper
Center Conductor	Gauge AWG 20
Center Conductor	Dia. 0.82 mm   0.032 in
Insulation Skin	Foam Polyethylene (PE)
Nom. Thickness(mm)	1.42 mm   0.055 in
Insulation Dia.	3.66 mm   0.144 in
Al-maylar Shield (Overlapping, %)	>=25
Braid Shield	Bare Copper
Construction	16/7/0.16 mm   0.629/ 0.275/ 0.006 in
Coverage Area (%)	>=95
Weight (lbs/1000ft)	38.0 lbs

	Power Cable	CCTV
Jacket Nom. Thickness	0.78 mm   0.030 in	0.80 mm   0.031 in
Jacket Min. Thickness	0.62 mm   0.024 in	0.68 mm   0.026 in
Cable Dia.(±0.15mm)	7 mm   0.275 in	6 mm   0.236 in

## Power Cable

Rated Voltage/Temperature	30V/75°C
Jacket	CMR LSZH
Conductor Stranded	16/0.254 mm   0.629/0.01 in
Insulation Dia(±0.2mm)	2.8 mm   0.110 in
Cores:	1 Black 2.Red
H(±0.2mm)	7.0 mm   0.275 in
W(±0.2mm)	13.5 mm   0.531 in

## General Specification

Environmental Space	Non-plenum
Safety Standard	cETL   ETL
UL Temperature Rating	75 °C   167 °F
Product Standard Certification	UL
Flammability Test	CMR
Reference Standard	SCTE IPS-SP-001, UL1655, UL13, UL444
RoHS	2002/95/EC Compliant
ISO	9001:2008

## Electrical Specifications

Dielectric Strength(kV/min)	1.0
Impedance (±3.0ohms)	75.0
SRL (dB,5~2200MHz)	>=20
Capacitance (pF/m)	53.1
Conductor DCR@ 20°C (ohms/km)	<=31.9
Velocity Of Propagation (%)	>=82