

# University of Kalyani



## Centre for Information Resource Management

### NOTICE INVITING QUOTATIONS

Ref. No. KU/CIRM/CCTV/2022

Date: May 20, 2022

Sealed quotations are invited from reputed vendors for supply and installation of CCTV at CIRM, the specification of which is furnished below:

Sl. No.	Description of Items	Quantity	Remarks(if any)
01.	16Ch HD NVR	02 Nos.	Sealed Quotation be submitted to the CIRM
02.	Dome IP Camera 2 MP HD	04 Nos.	
03.	Bullet IP Camera 2 MP HD	04 Nos.	
04.	2 TB Surveillance HDD	01 No.	
05.	CAT-6 UTP Cable	01 Box	
06.	HDMI Cable 5Mtrs	01 No.	
07.	32" LED Screen	01 No.	
08.	6U Rack with Accessories	01 No.	
09.	UTP Cable Laying with PVC Pipe, Installation, Integration, testing and commissioning of whole system with required accessories of all CCTV equipment including Networking etc, configuration of individual equipment etc.	LOT	

The above notice may be downloaded from University website [www.klyuniv.ac.in](http://www.klyuniv.ac.in).

**Last Date of receiving quotations: 30<sup>th</sup> May, 2022 up to 4 p.m.**

Quotation must be made by the bidders in their official pad/letter head and be submitted to the following address:

**CIRM, University of Kalyani, Kalyani-741235, Nadia, West Bengal**

After submission of the above bid, bidders must send the scanned copy in readable form at the following email of the undersigned to ensure their submission of bid.

**[cirm@klyuniv.ac.in](mailto:cirm@klyuniv.ac.in)**

For any sorts of technical queries, bidder may send e-mail at the above e-mail ID.

#### Terms & Conditions:

- Bidders are requested to quote item- wise as far as possible putting rates of the items separately. Other Costs (if any) like taxes, duties, installation cost must be mentioned separately in the quotation. **Bidder**

must mention the make and model number of the item distinctly while quoting for any item. If possible, bidder must enclose relevant documents including brochure of the quoted item along with its technical specification with model and make. The manufacturer of the items must have National and International repute, having experience of selling similar items to Govt. or Govt. aided Educational Institutions and organizations. Further, the manufacturer must have satisfactory service centre base in Kolkata and its surrounding areas.

- Bidders must submit valid documents as to Trade License, IT, GST, Manufacturing documents (if any) and credential documents for supplying similar type of items.
- In case of any dispute, University decision be taken as granted and all disputes are subject to Kolkata Jurisdiction only.
- Purchaser enjoys the right to select the vendor without assigning any reasons thereof to any bidder and lowest quotation does not ensure any guarantee for awarding purchase order.
- Purchaser may take decision for not buying any or all the items as stated hereinabove due to the fund constraint or for other issues.
- Purchaser also possesses the right to take decision on relaxation of any clause as stated above in case of need for selecting suitable and responsive vender without compromising the quality of the items as mentioned above.
- Under no circumstances, University of Kalyani will be held liable for any dispute/decision caused/taken due to the outbreak of COVID 19 inside and/or outside its campus.

**Sd/-**  
**System-in-Charge**  
**Centre for Information Resource management**  
**University of Kalyani**

## Annexure-I

### Technical Specification

- **Camera Specification**

<b>IP Camera Specification</b>	
<b>Colour Type</b>	Colour / Monochrome
<b>Resolution</b>	2 MP resolution
<b>Digital (DSP)</b>	Yes
<b>Specialist Type</b>	Infrared
<b>Sensitivity Lux</b>	0 lux
<b>Electrical Specifications</b>	Voltage: 12 V DC Power Consumption: 7 W
<b>Motion Activated</b>	Yes
<b>Wide Dynamic Range</b>	Yes
<b>Picture Elements HxV</b>	1920 x 1080
<b>Network Properties</b>	Image Frame Rate: 25 fps Interface: 1 RJ45 10M/100M Ethernet interface Network Protocols: TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
<b>Back Light Compensation</b>	Yes
<b>Auto Gain Control</b>	Yes
<b>Electronic Shutter Range</b>	1/25 ~ 1/100,000 s
<b>Compression Type</b>	H.264, MJPEG
<b>Environmental Specifications</b>	Protection: IP66 Operating Temperature °C: -30 ~ +60 C (-22 ~ +140 F)
<b>Additional info</b>	<ul style="list-style-type: none"><li>• Support dual stream, and the sub-stream for mobile surveillance</li><li>• IR cut filter with auto switch</li><li>• Electronic shutter for different surveillance environments</li><li>• Standard video compression with high compression ratio</li></ul>

- **NVR Specifications:**

<b>16 Channel NVR Specification</b>	
<b>Video and Audio</b>	
IP Video Input	16 Channel
Incoming /Outgoing Bandwidth	160 Mbps
HDMI Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
VGA Output	1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
Video Output Mode	HDMI/VGA independent output
Audio Input	1-Ch, RCA (2.0 Vp-p, 1 KΩ)
Audio Output	1-Ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1kΩ, using the audio input)
<b>Decoding</b>	
Decoding Format	H.265/H.265+/H.264/H.264+
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/ 4CIF/DCIF/2CIF/CIF/QCIF
Synchronous Playback	16-Ch
Decoding Capability	1-ch@12 MP (30 fps)/2-ch@8 MP (30 fps)/4-ch@4 MP (30fps)/8-ch@1080p (30 fps)
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726
<b>Network</b>	
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
<b>Auxiliary</b>	
SATA	2 SATA interfaces
Capacity	Up to 10 TB capacity for each HDD
USB Interface	Front panel: 1 × USB 3.0; Rear panel: 1 × USB 2.0
<b>General</b>	
Power Supply	12 VDC, 3.33A
Consumption	≤ 15 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
<b>Certification</b>	
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4, EN 55035: 2017

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