

**A C JOSHI LIBRARY**  
**PANJAB UNIVERSITY, CHANDIGARH. 1600014.**

*Dr. Raj Kumar*  
*University Librarian*

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No. \_\_\_\_\_/PUL

Dated : \_\_\_\_\_

To

**Subject : Quotation for purchase and installation of CCTV Cameras in A.C. Joshi Library.**

Dear Sir/Madam,

Sealed quotations are invited by the A.C. Joshi library for the purchase and installation of CCTV Cameras (30 Cameras approx.) in A.C. Joshi Library **as per the enclosed specifications and terms and conditions.**

The quotation in sealed envelopes mentioning clearly the terms and conditions of the University and as per the specifications mentioned by the University may please sent to University, Librarian, A.C. Joshi Library, Panjab University, Chandigarh by **08.03.2016 upto 3:00 p.m.** The bidders are advised to visit the site i.e., A.C. Joshi Library before submission of the quotation. The vendors are required to submit the quotation in two bid system i.e., one is technical bid and the second is financial bid. Two separate envelopes contained in one clearly mentioning Technical bid and Financial bid on the envelopes are required to be submitted by the vendor.

The cheque/demand draft of Earnest money deposit may please be attached with the technical bid. The firms who have already submitted the earnest money need not deposit the same again as their earlier EMD cheques/DD will be considered.

Kindly attach the documentary proofs **for terms and conditions mentioned at S.No.1,2, 3,7,8,12 and 14** along with the technical specifications. Those firms/bidders who fail to attach the documentary proofs in support of the above mentioned serial numbers in terms and conditions will not be considered.

Yours truly,

**(Dr. Raj Kumar)**  
**University Librarian**

**A.C. Joshi Library**  
**Panjab University, Chandigarh**

**Please note: Unit prices for all the items (S.No.1-13) should be mentioned separately in the financial bid.**

<b>Installation of CCTV Surveillance System(30 Approx.)</b>				
<b>Technical Specification of CCTV cameras</b>				
<b>Sr.No.</b>	<b>Item name</b>	<b>Specifications offered</b>	<b>Compliance to RFP Specification Whether YES/ NO</b>	<b>In case of non-compliance ,deviation from RFP to be specified in unambiguous terms</b>
<b>1.</b>	<b>3 Megapixel IR IP bullet/ dome colored camera</b>			
	<b>Camera Make : Bosch/Honeywell/Sony/Hikvision/Dahua (Vendor should be authorized dealer of the Company and the certificate for the same should be attached). The price should be clearly mentioned against the brand of the Camera.</b>			
	Image Sensor	1/3"3Megapixel progressive scan CMOS or Batter		
	Effective Pixels	2046(H)x1536(V)		
	Scanning System	Progressive		
	Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000		

		S		
	Min. Illumination	0.01Lux/F2.0 Color), 0Lux/F2.0(IR on)		
	S/N Ratio	More than 50dB		
	<b>Camera Features</b>			
	Max. IR LEDs Length	30m		
	Day/Night	Auto(ICR)/Color/ B/W		
	Backlight Compensation	BLC / HLC / WDR(120dB)		
	White Balance	Auto/Manual		
	Gain Control	Auto/Manual		
	Noise Reduction	3D		
	Privacy Masking	Up to 4 areas		
	<b>Lens</b>			
	Focal Length	3.6mm		
	Max Aperture	F2.0(F2.0/F2.0)		
	Focus Control	Manual		
	Angle of View	H: 84°/106°/56°		
	Lens Type	Fixed lens		
	Mount Type	Board-in Type		
	<b>Video</b>			
	Compression	H.264/H.264B/H. 264H/ MJPEG		

	Resolution	3M(2046X 1536)/1080P(19 20× 10		
		80)/720P(1280× 720)/D1(704× 576/704× 480)/CIF(352× 288/352× 24		
		0)		
		3M(1~25/30fps)		
	Frame Rate	D1/CIF(1 ~ 25/30fps)		
		720P(1-20fps)		
	Bit Rate	H.264: 32Kbps ~ 10Mbps		
	Corridor Mode	Support		
	<b>Audio</b>			
	Compression	G.711a/ G.711u/ AAC		
	Interface	1/1 channel In/Out		
	<b>Smart function</b>	Tripwire		
		Intrusion		
	Smart detection	Abandoned/Missi ng		
		Scene Change		
		Audio detect		
		Face detect		
	<b>Network</b>			
	Ethernet	RJ-45 (10/100Base-T)		
	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP,		

		UPnP, ICMP, IGMP, SNMP,		
		RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS,		
		Bonjour, 802.1x		
	Compatibility	ONVIF		
	Max. User Access	10 users		
	Smart Phone	iPhone, iPad, Android, Windows Phone		
	<b>Auxiliary Interface</b>			
	Memory Slot	Micro SD Max 128GB		
	Alarm	1/1 channel In/Out		
	<b>General</b>			
	Power Supply	DC12V, PoE (802.3af)		
	Power Consumption	Max 5.5W		
	Working Environment	-20°C~+50°C, Less than 95% RH		
	Ingress Protection	IP67		
	Vandal Resistance	IK10		
	Certifications	CE,FCC,UL		

<b>2.</b>	<b>1.3 Megapixel progressive colored IR IP</b>			
	<b>Camera Make :</b> <b>Bosch/Honeywell/Sony/Hikvision/Dahua</b>			
	Image Sensor	1/3" 1.3Megapixel progressive scan CMOS		
	Effective Pixels	1280(H) × 960(V)		
	Scanning System	Progressive		
	Electronic Shutter Speed	Auto/Manual, 1/3s~1/30000s		
	Min. Illumination	0. 08Lux/F2.1(Color , 0Lux/F2.1(IR on)		
	S/N Ratio	More than 50dB		
	<b>Camera Features</b>			
	Max. IR LEDs Length	30m		
	Day/Night	Auto(ICR)/Color/ B/W		
	Backlight Compensation	BLC / HLC / DWDR		
	White Balance	Auto/Manual		
	Gain Control	Auto/Manual		
	Noise Reduction	3D		
	Privacy Masking	Up to 4 areas		
	Focal Length	3.6mm		

	Max Aperture	F2.1(F2.6)		
	Focus Control	Manual		
	Angle of View	H: 71°(47°)		
	Lens Type	Fixed lens		
	Mount Type	Board-in Type		
	Compression	H.264/ H.264H/ H.264B/ MJPEG		
	Resolution	1.3M(1280x960)/ 720P(1280× 720)/D1(704× 576/704× 480) /CIF(352× 288/352× 240)		
	Frame Rate	1.3M/720P(1 ~ 25/30fps)		
		D1(1 ~ 25/30fps)		
	Bit Rate	H.264: 4kbps ~ 8192bps		
	Ethernet	RJ-45 (10/100Base-T)		
	Protocol	IPv4/IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP, RTSP, RTP,		
		SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS		

	Compatibility	ONVIF		
	Max. User Access	10 users		
	Smart Phone	iPhone, iPad, Android, Windows Phone		
	Power Supply	DC12V, PoE (802.3af)		
	Power Consumption	<5.5W(IR on)		
	Working Environment	-30°C~+60°C, Less than 95% RH		
	Waterproof Rating	IP66		
	Certifications	UL,CE,FCC		
	32 CH 32			
<b>3.</b>	<b>32 CH NVR Network Video Recorder</b>			
	Operating System	Embedded LINUX		
	Main Processor	Dual-core embedded processor		
	IP Camera Input	32 channel		
	Two-way Talk	1channel Input, 1channel Output, RCA		
	Interface	1 HDMI, 1 VGA, 1 TV		
	Resolution	1920× 1080, 1280× 1024, 1280× 720, 1024× 768		
	Display Split	1/4/8/9/16		



		Camera title, Time, Video loss, Camera lock, Motion detection, Recording		
	OSD			
	Recording			
	Compression	H.264/MJPEG		
	Resolution	5Mp (2560× 1920)/3Mp (2048× 1536) /1080P(1920× 1080) / 720P(1280× 720)		
		/ D1 (704× 576/704× 480)&etc.		
	Record Rate	200Mbps		
	Bit Rate	48~ 8192kbps		
	Record Mode	Manual, Schedule(Regula r(Continuous), MD, Alarm), Stop		
	Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post- record: 10~300 sec		
	Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer &		
		Screen tips		
	Video Detection	Motion Detection, MD		

		Zones: 396(22×18), Video Loss & Camera Blank		
	Alarm Input	16 channel		
	Relay Output	4 channel		
	Playback & Backup			
	Sync Playback	1/4/9/16		
	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search		
	Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next		
	Function	camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection,		
		Digital zoom		
	Backup Mode	USB Device/Network/Internal SATA burner/eSATA Device		
	Network			
	Ethernet	1 RJ-45 port (10/100/1000M bps)		
	Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP,		

		SMTP, NTP, DHCP, DNS, IP Filter,		
		PPPOE, DDNS, FTP, alarm Server, IP search (Support IP Camera, DVR, NVS and etc.)		
	Max. User Access	128 users		
4.	4TB Hard Disk	WD/Seagate		
5.	Power Supply	1 2 V/2Amp		
6.	8 Port Switch Gigabit			
7.	Outdoor housing with mounting			
8.	16 Port Switch Gigabit			
9.	Cat-6 Twisted Pair Cable with connector (Molex)			
10.	Power Cable (ISI Mark)			
11.	NVR Rack			
12.	PVC Conduit Pipe with Assembly			
13.	Installation & laying Charges			

## Terms & Conditions

1. The Bidder Should be ISO Certified Company.
2. Bidder must have working experience with Govt. /Non Govt. Organization /institution/universities and satisfactory Service report should be attached for minimum of 3 Organizations regarding the same and the Company should be at least 5 years old in Security Surveillance System. Bidder must have a working office in Punjab or in Chandigarh and have to submit the proof thereof.
3. The Average turn –over of the Bidder for the Last Three years should not be less than 8 lakh and also provide the proof of Income Tax, Sale Tax and service tax of the last 3 years. Registration copy of Service Tax or Tin Number / Vat registration copy to be provided.
4. Your quotation must reach this office not later than 3:P.M. on the date of opening of the quotation. Both the technical and financial Bid should be kept in two separate sealed envelopes and should super scribe “ Technical Bid “ and “ Financial Bid “ in bold letters . Quotations sent by hand delivery should be given to the diarist in the AC Joshi library, PU not later than 3: 00 P.M. on the due date. The demand draft/cheque of earnest money be enclosed with the Technical bid of the quotation.
5. All the quotations should be addressed to the University Librarian, A.C. Joshi Library, Panjab University, Chandigarh. The contractor should quote rates of each item both in figures and words.
6. During working hours the person can visit the AC Joshi Library to see the place where CCTV cameras be placed.
7. The Vendor/Agency should also provide warranty period of one year.
8. Quotation copy would categorically confirm that they will give **free ”after sales services”** during warranty period for a period of 12 months from the date of installation, satisfactory commissioning and handing over the project/ equipment ;
9. Rs. 8000/-as earnest money is also to be deposited in lieu of the quotation for installation of CCTV Cameras in A.C. Joshi library and has to be paid in the form of Demand draft in favor of “ Registrar, Panjab University Chandigarh “ from any nationalized bank. The institute would return the EMD to the successful bidder firm on the summation of the performance bank guarantee (PBG).
10. 5% performance security will be deducted from the bill and will be released after one year.

11. The successful vendor shall be required to furnish a contract Performance Guarantee bond in the shape of bank guarantee pledged in favor of **Registrar, Panjab University, Chandigarh** for an amount equal to 10% of the cost of the project. The Bank Guarantee should be valid for 18 months. The Bank Guarantee for 10% of the contract value shall be submitted within a period of 30 days after the placement of the supply order failing which the order will be liable to be cancelled and the earnest money forfeited.
12. The offer should be valid for a period of 365 days from the date opening of quotation.
13. The payment to the firm will be made within 45 days after the installation of CCTV system.
14. The vendor/agency should give an undertaking in the form of affidavit that it has not been black listed by any Government / Autonomous/ PSU type organizations, etc.
15. The courts at Chandigarh alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this agreement/ contract. It is specifically agreed that no court outside and other than Chandigarh court shall have jurisdiction in the matter.
16. The University reserves to itself the right to accept or reject any or all of the quotations without assigning any reasons thereof.