

CENTRAL UNIVERSITY OF PUNJAB

Established vide Act No. 25 (2009) of Parliament

Tender No.: M-60(2014-15)



Tender Notice for Installation, Testing and Commissioning of CCTV
Surveillance System

(Single Bid System)

Release Date : February 18, 2015

Last Date : March 2, 2015; 3:00P.M.

City Campus, Mansa Road, Bathinda- 151001,
E-mail: registrar@cup.ac.in, Tel: 0164-2864155,

Central University of Punjab, Bathinda

Central University of Punjab invites sealed tenders from Reputed Manufacturers/Authorized Dealers for supply of *Installation, Testing and Commissioning of CCTV Surveillance System*.

Tender Notice Number	:	M-60(2014-15)
Release Date of the Tender	:	February 18, 2015
Last date for the submission of Tender	:	March 2, 2015; 3:00 P.M.
Opening date of Tender	:	March 2, 2015; 4:00 P.M.
Name and Address of the University	:	Registrar, Central University of Punjab, City Campus, Mansa Road, Bathinda – 151001, Punjab, India.
Tel.	:	0164-2864155
E-Mail Address	:	registrar@cup.ac.in
Tender Fee (Non-Refundable)	:	Rs. 500/- drawn in favour of Central University of Punjab, Bathinda.
Earnest Money Deposit(EMD)	:	Rs. 7,000/- drawn in favour of Central University of Punjab, Bathinda.

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GUIDELINES FOR PREPARATION OF TENDER

1. Tender fee along with Earnest Money Deposit (EMD) and all other necessary documents should be submitted for the equipment. The main envelop should super- scribe: ***“Tender for Installation, Testing and Commissioning of CCTV Surveillance System, Last date of submission March 2, 2015; 3:00 P.M.”***.
2. Blank Tender Forms for the above items along with details can be downloaded from ***www.cup.ac.in***. The non-refundable application fee of Rs. 500/- must be accompanied with tender.
3. Tenders must accompany a copy of the ***“General Financial Terms and Conditions”*** section of this document, signed and stamped on each page indicating that they agree to these.
4. Last date of submission of tender along with requisite fee, EMD and all documents is **March 2, 2015**.
5. The DD for application fee, EMD or any other must be drawn in favour of “Central University of Punjab, Bathinda”.
6. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.
7. The tenderer must give certificate duly signed and stamped by manufacturer for the availability of spares and servicing of equipment for at least 10 years. Supplier should give an undertaking that spares parts will be supplied within the specified periods as and when ordered.
8. Apart from all these terms and conditions, specific terms as specified for equipment must also be complied.
9. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender.

GENERAL FINANCIAL TERMS AND OTHER CONDITIONS

1. **Prices:** Quoted prices should be firm and FOR Central University of Punjab (CUPB), City Campus, Mansa Road, Bathinda and complete break up of all taxes and duties payable by the university should be clearly defined otherwise it will be presumed that the rates quoted are inclusive of all these charges and nothing extra will be paid. **Special Discount/ Rebates, whichever applicable to an educational Institution, may also be specifically indicated.**
2. **Payment terms:** 100% payment will be made through RTGS/by cheque after delivery, installation and demonstration of goods in good condition and satisfactory inspection report of the Indenter.
3. **Taxes:** All kinds of Statutory Taxes will be paid by the purchaser on the basis of supportive Documentary Evidence.
4. **Validity:** Tenders/Quotations should be valid for three months from the last date of its submission.
5. **Opening of Tenders:** Tenders complete in all respect will only be considered. Tenders/Quotations will be opened at the University campus on March 2, 2015; 4:00 P.M., if the Tender opening day happens to be official Holiday then the tenders will be opened on the next working day, in the presence of bidders whosoever may wish to be present.
6. **Incomplete or Misleading Tenders / Quotations:** Tenders/Quotations duly sealed and sent only by post/courier will be considered. Tenders/Quotations received late or incomplete in any respect/ misleading without earnest money& without required documents will out rightly be rejected. No responsibility with regard to postal delays due to any reason whatsoever will be accepted.
7. **Right to reject:** The CUPB reserves right to accept/reject any or all the Tenders/Quotation sat any time without assigning any reason.
8. **Delivery Schedule:** Delivery schedule should be clearly mentioned in the Tenders/Quotations. In case of imported item, the supplier their Indian agent will be responsible for delivery of the material from the place of discharge of material to final point.
9. **Installations:** Installations and Training of the equipment under purchase, if any, will be of free of cost.
10. **Penalty for non/late delivery of material:** If the supplier fails to deliver the material/equipment within the stipulated delivery period of the Supply/Purchase order/contract the same is liable to pay penalty charges at 0.5% of the cost of undelivered goods/ services per week, not exceeding maximum limit of 10% of the cost of complete unit of undelivered equipment/material so delayed.
11. **Custom Duty & Excise Duty Exemption:** The University being a public funded and non-commercial research institution is exempted from paying Custom Duties vide notification no. 51/96-custom and the provision of the said notification will apply. University will provide DSIR certificate, Custom Duty Exemption Certificate (CDEC), road permit and other necessary certificates. Since the University does not have any Clearing Agent, the Supplier is requested to get the consignments cleared on behalf of the University. The admissible Custom Duty will be reimbursed to the Supplier on production of documentary evidence of payment of Custom Duty and also satisfactory installation report from the Indenter. The equipment should not be taken to warehouse/ Go-down and should come straight from the nearest Airport to the University. In case of inspection by the Custom, legible seal of Custom Officials should be present along the tearing of consignment.

12. **Security Deposit:**

a. You are required to submit within 30 days security deposit amounting to 5 per cent of ordered value either in cash/demand draft in favour of the Central University of Punjab, Bathinda or in the form of Bank Guarantee (BG) (for those firms as maintaining permanent earnest money with the university) on university's standard Performa for faithful execution of Supply/Purchase/Work order complete in all respect including warranty period.

b. On faithful execution of the Supply/Work order/contract on all respects, including warranty period, the security deposit of the contractors/supplier shall be released.

c. In the event of default on your part in faithful execution of Supply/Work order/contract, the security deposit shall be forfeited by an order of the Registrar of the University. The forfeiture of security deposit shall be without prejudice to any other right arising or accruing to the university under relevant provisions of the Supply/Work Order/contract like penalty/damages for delay in delivery provisions under Negligence & default clause including suspension of business dealings with the university for a specific period.

13. **Warranty/ Guarantee:**

a) The supplier/contractor shall be responsible to replace free of cost with no transportation and insurance expenses to the University up to the destination of material equipment, the whole or any part of the material which under normal and proper use and maintenance, proves defective in material or workmanship within 12 months from the date, it is taken over by the University or 18 months from the date of installation whichever expires earlier, provided the University gives prompt written notice of such defects to the supplier/contractor. Such replacement shall be effected by the supplier/contractor within a reasonable time not exceeding 6 months of the intimation of defects. Supplier's/Contractor responsibility arising out of supply of material or its use whether on warranties or otherwise shall not in any case exceed the cost of correcting the defects or replacing the defective part/material and upon the expiry of the warranty period stipulated above, all such liabilities shall terminate.

b) The above provision shall equally apply to the material so replaced/repared by the Supplier/Contractor under this clause in case the same is again found to be defective within 12 months of the replacement/repair.

c) In case the replacement /repair of defective material is not carried out within six months of intimation of defects, the Supplier/Contractor shall have to pay interest @ 12 per cent per annum on the value of each complete operational unit of equipment beginning from the date of becoming defective up to date of its re-commissioning after replacement/repair.

14. **Civil Suit Jurisdiction:** All legal proceedings in connection with this Supply/Purchase order/Contract shall be subject to the territorial jurisdiction of the local Civil Courts, as per Indian Laws, at Bathinda only.

15. **Cancellation :** The University reserves the right to cancel the Supply/purchase order as a whole or in part at any time or in the event of default on the part of the Supplier prior to the receipt of information regarding taking in hand of the manufacture of material against the Supply/Purchase order/dispatch of material to the consignee.

LIST OF REQUIRED ITEMS IN CCTV SURVEILLANCE

Sr. No.	Items	Quantity
1.	DVR Specifications must comply as per Annexure-D (a.)	01 No.
2.	Camera Specifications must comply as per Annexure-D (b.)	08 Nos.
3.	Wire RG 6 Co-axial 305 mtr. each	03 Nos.
4.	Monitor 24 Inch w/HDMI connectivity	01 No.
5.	Adaptor 12V 2A	08 Nos.
6.	Power Socket	09 Nos.
7.	PVC Pipe (1 inch Heavy)	30 Nos.
8.	UPS 1.1 KVA	01 No.
9.	Power Cable 1.5mm (180 Mtr. each)	01 No.
10.	Hard Disk 3 TB Surveillance	04 Nos.

**TECHNICAL SPECIFICATIONS AND COMPLIANCE SHEET FOR
INSTALLATION, TESTING AND COMMISSIONING OF CCTV SURVEILLANCE SYSTEM**

A. Specifications for DVR

S. No.		
	Video	
1.	Inputs	16 Composite video 0.5-1 Vpp, 75 ohm automatic termination
2.	Resolution	NTSC : 1280 x 480, 720 x 480 / PAL : 1280 x 576, 720 x 576
	Live	
3.	Frame Rate	480fps / PAL : 400fps
4.	Resolution	1280 x 480, 720 x 480 / PAL : 1280 x 576, 720 x 576
5.	Multi Screen Display	1 / 4 / 7 / 9 / 13 / 16 / 16A / Sequence / PIP
6.	Operating System	Embedded (Linux)
	Recording	
7.	Compression	H.264
8.	Record Rate	NTSC : Up to 120fps@1280 x 480 / PAL : Up to 100fps@1280 x 576 NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
9.	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30 fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 25fps)
10.	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1 ~ 3)
11.	Overwrite Modes	Selectable (Stop / Continuous)
12.	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
13.	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
14.	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search should include preview function)
15.	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward *Backward play with i-frame only
	Network (IPv4)	
16.	Transmission Speed	4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
17.	Bandwidth	Up to 32Mbps
18.	Bandwidth Control	Selectable
19.	Stream	H.264 (4CIF / 2CIF / CIF selectable)
20.	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
21.	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, HTTPS, DDNS, RTP, RTSP, SNMP
22.	Monitoring	Webviewer, SSM (CMS)

	Smart Phone	
23.	Platform	Android, iOS
24.	Protocol Support	RTP, RTSP, HTTP, CGI
25.	Max. Remote Users	Live 2, Search 1
	Storage	
26.	Internal HDD	Up to 4 SATA HDDs
27.	External (e-SATA Interface)	2 External SATA ports
28.	DVD Writer (Back up)	Yes
29.	USB (Back up)	2 USB ports
30.	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
	Security	
31.	Password Protection	1 Admin, 10 Group, 10 User per 1 group
32.	Data Authentication	Watermark
	Interface	
	Monitors	
33.	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
34.	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
35.	Spot Composite	Digital spot (2CH), multi mode support (1CH)
36.	Loop Outputs	16CH
	Audio	
37.	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
38.	Compression	G.711
39.	Sampling Rate	8KHz
	Alarm	
40.	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
41.	Remote Notification	Notification via e-mail
	Connections	
42.	Ethernet	1 RJ-45 10/100/1000 Base-T
43.	Serial Interface	RS-232/RS-485 (Full duplex) for PTZ
44.	USB	USB 2.0, 2 ports
45.	eSATA	2 External SATA ports
46.	Application Support	Mouse, Remote controller
47.	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE
	Electrical	
48.	Input Voltage / Current	100 ~ 240V AC \pm 10%, 50/60Hz, Auto ranging
49.	Power Consumption	Max. 60W (With 1x HDD)
	Environmental	
50.	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
51.	Operating Humidity	20% ~ 85% RH
52.	Rack Mountable	Yes
53.	Language	English

B. Specifications for Camera

S. No.		
1.	Video	
2.	Imaging Device	1/3" 1.3 M CMOS
3.	Total Pixels	1,312(H) x 1,069(V)
4.	Effective Pixels	1,305(H) x 1,049(V)
5.	Scanning System	Progressive scan
6.	Synchronization	Internal
7.	Frequency	H : 15.734KHz / V : 59.94Hz
8.	Horizontal Resolution	Color : 1000TV lines, B/W : 1000TV lines
9.	Min. Illumination	Color : 0.05Lux (F1.4, 50IRE), 0.001Lux (1sec, F1.4, 50IRE), 0.02Lux (F1.4, 30IRE), 0.0006Lux (1sec, F1.4, 30IRE) B/W : 0Lux (IR LED on)
10.	S / N Ratio	52dB (AGC off, Weight on)
11.	Video Output	CVBS : 1.0 Vpp / 75Ω composite
	Operational	
12.	On Screen Display	English
13.	Camera Title	Off / On (Displayed 15 characters)
14.	Day & Night	Auto (ICR) / External / Color / B/W
15.	Anti IR Saturation	Top / Bottom / Left / Right
16.	Backlight Compensation	Off / User BLC / HLC / WDR
17.	Wide Dynamic Range	120dB
18.	Contrast Enhancement	SSDR (Off / On)
19.	Digital Noise Reduction	SSNR IV (Off / On)
20.	Defog	Off / Auto / Manual
21.	Purple Fringe Reduction	Off / Low / Middle / High
22.	Digital Image Stabilization	Off / On
23.	Tampering	Off / On
24.	Motion Detection	Off / On
25.	Intelligent Video Analytics	Fence, (Dis)Appear, Counting (Off / On)
26.	Privacy Masking	Off / On (24 programmable zones with 4 points polygonal masking)
27.	Gain Control	Off / Low / Middle / High
28.	White Balance	ATW / Outdoor / Indoor / Manual / AWC / Mercury (1,800K° ~ 10,500K°)
29.	Electronic Shutter Speed	1sec ~ 1/12,000sec
30.	Digital Zoom	Off / On (1x ~ 16x)
31.	Reverse	Off / H-Rev / V-Rev / HV-Rev
32.	Profile	Basic, Day & Night, Backlight, ITS, Indoor, User
33.	Alarm	1 Out
34.	Communication	Coaxial control (SPC-300 compatible)
35.	Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE IR Distance 50m (164.04ft) (IR LED 36ea)
	Environmental	

36.	Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH
37.	Ingress Protection	IP66
38.	Vandal Resistance	IK10
	Electrical	
39.	Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
40.	Power Consumption	Max. 9.5W
	Lens	
41.	Focal Length	(Zoom Ratio) 3 ~ 10mm (3.3x) varifocal
42.	Max. Aperture Ratio	F1.4
43.	Angular Field of View	H : 82.0°(Wide) ~ 26.5°(Tele) / V : 59.7°(Wide) ~ 19.9°(Tele)
44.	Min. Object Distance	0.5m (1.64ft)
45.	Focus Control	Manual
46.	Mount Type	Board type
47.	Lens Type	DC auto iris

APPLICATION FORM

To be Filled Completely and Signed

1. Contact details of the head office of proposing firm:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

2. Name and full address of local office of proposing firm nearest to Bathinda:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

3. Name and full address of manufacturer:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

4. Name of advising bank and account number:

5. SWIFT Code:

6. PAN and TAN Number:

7. Manufacturing type (tick mark):
 - i. Imported
 - ii. Indigenous
 - iii. Both

8. Country(s) of origin:

9. Any other relevant information:

DECLARATION BY SUPPLIER

“It is certified that I/we have carefully read and understood the entire general, special as well as specific terms and conditions of these documents and agree to abide by all of these. All the information and commitments provided with the quotations are truthful and binding on the firm.”

Place:

Signature of Authorized Person

Date:

Designation

Seal

CHECK LIST

(TO BE FILLED COMPLETELY & PLACED IN ENVELOPE)

Sr. No.	Points to be verified	Yes/ No
1	Technical specification compliance sheet	
2	EMD	
3	Tender Fee	
4	Photocopy of PAN and TAN card	
5	User list and certificates issued by clients	
6	Copy of income tax return certificate	
7	All other certificates as asked for in tender document a) Spare part availability certificate b) Certificate indicating country of manufacture c) Sales tax registration certificate d) Copy of "Eligibility Criteria and General Terms and Conditions" signed and stamped on each page	

Place:**Signature of Authorized Person****Date:****Designation****Seal**