

Tender no :HPNLU/TENDER/2023-24/78

Date: 30.11.2023

**TENDER-NOTICE INVITING FOR PROCUREMENT OF CCTV CAMERA AND  
OTHER ACCESSORIES FOR THE UNIVERSITY**



**HIMACHAL PRADESH NATIONAL  
LAW UNIVERSITY**

**TENDER FOR THE SUPPLY , INSTALLATION, COMMISSIONING OF THE CCTV CAMERA AT THE HIMACHAL PRADESH NATIONAL LAW UNIVERSITY**

Sealed Tenders for the CCTV Bullet Camera and other equipment's invited at Himachal Pradesh National Law University, Ghandal, Distt Shimla. The same Tenders will be received at the office of the Registrar, HPNLU, Shimla during office hours up to 01:00 PM on or before 16.12.2023. :-

1	Name of work	Supply of CCTV Camera and other accessories
2	Last date, time and venue for submission of quotation	16.12.2023 up to 2.00 PM
3	Date, time and venue for opening of technical bid	18.12.2023 at 3.00 PM, Tender Committee Room of the university.
4	Financial bid shall be opened after evaluation of technical bid/time notified thereafter	
5	Earnest Money Deposit (EMD)	Rs.5,000/- ( Five Thousand ) only Demand Draft in favour of the "Registrar, Himachal Pradesh National Law University, Shimla "
6	Bid Document Fee	Rs 1000 /-( One Thousand rupees ) only , Demand Draft in favour of the "Registrar, Himachal Pradesh National Law University, Shimla"
7	Performance Bank Guarantee (PBG)	5% of the total contract value to be submitted within 15 days from the date of signing of agreement.
8	Place of actual Implementation	Campus and university hostels of the Himachal Pradesh National Law University(HPNLU), Shimla.
9	Email Address	To: registrar@hpnlu.ac.in , itsection@hpnlu.ac.in

Tenderer is advised to go through the following terms and conditions carefully before filling the tender up the tender form. Any tender which is not in the conformity with the instructions, or which is incomplete is liable to be rejected.

**Terms and conditions:**

**1. Tender can be submitted in two different envelopes:**

- Envelop 01. The quotation shall be accompanied by Earnest Money Rs. 5000/- in the shape of Demand Draft/FDR from the reputed Bank preferably Nationalized Bank only, in favour of the Registrar: HPNLU, Shimla.
- The complete Bidding document/DNIT can be obtained from office against Demand draft in favour of the Registrar, HPNLU, Shimla for Rs. 1000/- (Non-refundable) as a tender fee between 9.00 AM to 4.00 PM from 30.11.2023. to 14.12.2023 up to 04.00 PM.
- Earnest money of the lowest bidder shall be refunded after successful completion of work.
- Envelop 02. Rate Quotation along with declaration to full fill the rule and regulations.

**Note: Tender fee is mandatory. No exemption in tender fee for this tender allowed. Exemption is allowed only in the case of the EMD.**

**2. Pre-qualification criteria:**

The eligible bidder has to satisfy the following conditions:-

- The bidder should have satisfactorily completed three similar Supply, Installation of CCTV works during the last five years each costing not less than 40% of the present estimated cost i.e. Rs. 5 Lacs in any Government/Semi Government Organizations (or) PSUs [Public Sector Undertakings (or) Universities / Educational Institutions of National Importance / State Educational Bodies (or) Well Established Public Limited Companies OR
- Two similar supply, installation works during last two years each costing not less than 50% of the present estimated cost i.e. Rs. 5 Lacs in any Government/Semi Government Organizations (or) PSUs [Public Sector Undertakings (or) Universities / Educational Institutions of National Importance / State Educational Bodies (or) Well Established Public Limited Companies OR

- One similar supply, installation work during last two years each costing not less than 80% of the present estimated cost i.e. Rs. 10 Lacs in any Government/Semi Government Organizations (or) PSUs [Public Sector Undertakings (or) Universities / Educational Institutions of National Importance / State Educational Bodies (or) Well Established Public Limited Companies

**[Mode of Proof: Copy of Purchase Order / Contract agreement proving ‘Award of Work’/ Copy of Completion Certificate/ Final Invoice/ Letter indicating return of Security Deposit for proving satisfactory ‘Completion of Work’]. The bidders to fill the details regarding similar orders as per.**

- The bidder should possess valid trade license, PAN and GST Registration Certificate.
  - The bidder should submit Income Tax returns for the last three years.
  - The bidder should have min. average turnover of Rs. 5 Lacs (Five lakhs) in last three audited financial years i.e 2020-21,2021-22,2022-23.
  - Bidder should not have been blacklisted in any government department / PSU etc. (Mode of Proof: Declaration as per Annexure to be submitted) .
  - **Bidder should be the OEM or Authorized dealer of the product for which it is applied .**  
**Note: No consortium or joint venture is allowed for this tender to fulfill the prequalification criteria.**
3. Earnest money of the lowest bidder shall be refunded after successful completion of the work.
  4. Subletting the work after its award is not permissible.
  5. Noncompliance of instructions of the authorities of the university or delay in completion of the assigned work of Non-removal of defects in time; the Institute shall be free to get the job done or get the defects rectified through any other agency at the risk and cost of the Firm.
  6. The work shall be completed within as mentioned above Time period.
  7. Income Tax and other taxes as applicable shall be deducted from the Firm’s bills.
  8. Items shall be in packing compatible from the manufacturer clearly indicating manufacturing date, expiry date & price, etc. Any manufacturing defect of any shape kind shall have to be immediately replaced with a new one. If any item is subsequently found to be of a substandard (Inferior quality) substitute/refurbished or refilled, the same will be rejected and any loss that shall be recovered from the firm and the payment of bill against the materials issued will not be made and the firm will be liable for appropriate action.
  9. Bidder shall be insured that
    - a. Pages have been signed and stamped.
    - b. Pages have been numbered.
    - c. Documents are legible (Clearly readable).
  10. The firm shall be responsible for any damage caused to any property of the campus and make good all such damages at his own cost.
  11. 100% payment will be done after the Work Completion as per the invoice should be raised in the name of the **Registrar, HPNLU, Shimla. No payment is made in advance .**
  12. The installation work shall be completed within a period of 30 days and shall start within a period of 7 days from the date of issue of the letter of commencement and shall stand terminated after the expiry of the period. If it is not completed within the time as specified in the work order then the liquidity damage @ 1% of the value of works per week up to a maximum of 10% of contract value will be imposed on the contractor.
  13. Upon receipt of the Work Order by the Contractor, he shall prepare the Agreement of the tender documents at the earliest without any delay and complete all the formalities and submit same to HPNLU, Shimla duly executed on stamp paper for value of Rs.100/- (Rupees One Hundred only) within 07 days from the date of receipt of Purchase Order.
  14. The Court of Shimla in the State of Himachal Pradesh only will have the jurisdiction to deal with and decide any legal matters or disputes what-so-ever arising out of this tender.
  15. **Warranty:**
    - All the hardware and software should have Comprehensive five year onsite free warranty.
    - Contractor shall be fully responsible for the manufacturer’s warranty in respect of proper design, quality and workmanship of all the equipment, accessories etc. covered by the tender.
    - In case of any failure, the vendor shall ensure that the CCTV is made operational to the full satisfaction.

## Scope of Work

- **Supply, Installation, commissioning of CCTV Cameras and other accessories .**
- Details of scope of work as below:

Sr. No.	Items	Quantity	Specification
1.	CCTV Bullet Camera	04 Nos	
2.	NVR	01 Nos	
3.	POE Switch 8 Port	01 Nos	
4.	Hard Disk 10 TB	01 Nos	
5.	Cat 6 Wire	150 Mtr	

Sr. No.	Name of the Item	Specification
1	T Shape Pole with CCTV Camera & Solar light and battery system hybrid setup	5 MTR tubular pole
2	Installation & other Charges	

4MP Bullet Camera having Fixed Lens with Minimum 50 Meter IR.			
Sr. No.	Specification	Compliance (Yes/No)	
1.	IP Camera	4MP Bullet Camera with Fixed Lens	
2.	Sensor	The camera should be equipped with minimum of 1/2.7" 4 MP CMOS sensor applying progressive scan technology to record more fluid footage and avoid distortion created by moving objects.	
3.	Resolution	Minimum 2688 (H) × 1520 (V) for high video quality	
4.	Minimum Illumination	0.005 lux@F1.6 or better	
5.	Shutter Speed	Auto/Manual, 1/3~1/100000s	
6.	Lens	The Camera should be provided with an OEM fitted 3.6mm Lens	
7.	S/N Ratio	>53dB	
8.	Gain Control (AGC)	Auto/Manual	
9.	Video Compression	H.265; Smart H.264+; H.264; H.264H	
10.	Back Light Comp.	BLC should allow adjusting the gain of the camera to improve exposure of the subjects that are in front of a bright light source	
11.	Wide-Dynamic-Range	The camera should give a WDR range of minimum 120dB Real WDR (Must be Hardware driven)	
12.	Image Settings	Saturation, brightness, contrast, sharpness, gain	
13.	Video Streaming	The camera should output of master Stream @ 2688 × 1520@ (1-25) fps and slave stream @ 704 × 576 @ (1-25/30fps) that are individually configurable should support triple streaming	
14.	Resolution	4MP, 3MP, 2MP, 1.3MP ,720P, D1 & CIF can be set at any resolution as per requirement.	
15.	Motion Detection	3 Areas or Better	
16.	Privacy Mask	3 Areas or Better	
17.	ICR	The camera shall incorporate a physical Auto ICR filter for quality images both during day and night	
18.	ROI	The Camera should allow at least 3 sections of the camera view to be streamed separately for distinguished viewing and recording.	
19.	Audio	Built in Mic	

20.	Audio Compression	G.711a; G.711Mu; PCM; G.726	
21.	Alarm IN/Out	1 channel in / 1 Channel Out	
22.	Audio IN/Out	1 channel in / 1 Channel Out	
23.	Protocol	IPv4/IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; PPPoE; SNMP; ONVIF (Profile S/Profile G)	
24.	Video Content Analytics	Tripwire, intrusion	
25.	Ethernet	RJ-45 (10/100Base-T)	
26.	Alarm Event	Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection	
27.	User	20	
28.	IR Range	The camera should have Smart IR and cover distance up to 50 mtr or above.	
29.	Micro SD	FTP; Micro SD card (support max. 256GB); NAS	
30.	Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F)	
31.	Power Source	Dual Power Source 12 VDC & PoE (802.3af)	
32.	Weatherproof Standard	IP67 with OEM Fitted Metal Body	
33.	Certifications	CE, FCC, UL, ROHS, BIS	

**8 Ch. Network Video Recorder with 4 SATA Ports and Industrial-grade embedded Processor**

Sr. no.	Specification		Compliance (Yes/No)
1	Two-way Talk	1 channel Input, 1 channel Output	
2	User Interface	Web & Graphic User Interface	
3	Video Output	1 HDMI, 1 VGA	
4	Video Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP	
5	Video Compression	H.265/ H.264	
6	Channel	16 channels	
7	Bandwidth Incoming	256Mbps or Better	
8	Motion Detection	MD Zones: 396(22×18).	
9	Video Loss	supports	

**8 Port Gigabit POE Switch Specifications**

8 Port Gigabit POE Switch Specifications		Compliance (Yes/No)
Switch Capacity	20 Gbps Full duplex	
Uplink Ports	2, 1000Mbps; Transmission Distance: 0-100m	
PoE Power Budget	96W	
Anti-thunder Level	Common mode: 2KV; Differential mode: 2KV	
ESD	Air discharge: 1.5KV; Contact discharge: 1.5KV	
Ethernet Port Light	Light off: Link is disconnected Red light on: Powering but data disconnected Light flash quickly: Data Transmitting	
Network Port	10	
Transmission Distance	0-100m/100 Mbps	
PoE Ports	8, 1000Mbps; RJ45 ports; Max. 30W Output of Single PoE Port Transmission distance: 0~100	
PoE Power Supply	1/2(+), 3/6(-)	

PoE Standard	IEEE802.3af, IEEE802.3at	
Packet Forwarding Rate	1.488Mpps/port	
MAC Address List	2K	
Power Source	Built-in Power Supply, Input: 110-264V AC, 50/60Hz	
Power Consumption	<5W	
Operating Temperature	-10°C~ -50°C	
Humidity	10%-95% , non-condensing	
Storage Temperature	-40°C~70°C	

## TECHNICAL BID

Sl. No.	Particulars	Remark
1	Registration of firm / Partnership deed / Memorandum & Articles of Association	
2	i) Name & Designation of Contact Person ii) Mobile No (s) of the Contact Person / Firm iii) e-mail address of Contact Person / Firm	
3	Copy of Income Tax Return of Firm for the last 3 years	
5	Self-attested copy of PAN Card	
6	Self attested copy of Goods and Service Tax Number (GST)	
7	Orders / Satisfactory completion certificate for undertaking similar work in Govt. Office / Govt. Undertaking Office / Private Office etc.	
8	Authorised dealership certificate along with the catalogue of the product which is provided in this tender along with the brand name mentioned	

(Signature of Authorized Signatory)

Name and Designation \_\_\_\_\_

Name of Firm & Seal \_\_\_\_\_

Contact No. \_\_\_\_\_

**PRODUCT SPECIFICATION**

**4MP Bullet Camera having Fixed Lens with Minimum 50 Meter IR.**

<b>Sr. No.</b>	<b>Specification</b>		<b>Compliance (Yes/No)</b>
1.	IP Camera	4MP Bullet Camera with Fixed Lens	
2.	Sensor	The camera should be equipped with minimum of 1/2.7" 4 MP CMOS sensor applying progressive scan technology to record more fluid footage and avoid distortion created by moving objects.	
3.	Resolution	Minimum 2688 (H) × 1520 (V) for high video quality	
4.	Minimum Illumination	0.005 lux@F1.6 or better	
5.	Shutter Speed	Auto/Manual, 1/3~1/100000s	
6.	Lens	The Camera should be provided with an OEM fitted 3.6mm Lens	
7.	S/N Ratio	>53dB	
8.	Gain Control (AGC)	Auto/Manual	
9.	Video Compression	H.265; Smart H.264+; H.264; H.264H	
10.	Back Light Comp.	BLC should allow adjusting the gain of the camera to improve exposure of the subjects that are in front of a bright light source	
11.	Wide-Dynamic-Range	The camera should give a WDR range of minimum 120dB Real WDR (Must be Hardware driven)	
12.	Image Settings	Saturation, brightness, contrast, sharpness, gain	
13.	Video Streaming	The camera should output of master Stream @ 2688 × 1520@ (1-25) fps and slave stream @ 704 × 576 @ (1-25/30fps) that are individually configurable should support triple streaming	
14.	Resolution	4MP, 3MP, 2MP, 1.3MP ,720P, D1 & CIF can be set at any resolution as per requirement.	
15.	Motion Detection	3 Areas or Better	
16.	Privacy Mask	3 Areas or Better	
17.	ICR	The camera shall incorporate a physical Auto ICR filter for quality images both during day and night	
18.	ROI	The Camera should allow at least 3 sections of the camera view to be streamed separately for distinguished viewing and recording.	
19.	Audio	Built in Mic	
20.	Audio Compression	G.711a; G.711Mu; PCM; G.726	
21.	Alarm IN/Out	1 channel in / 1 Channel Out	
22.	Audio IN/Out	1 channel in / 1 Channel Out	
23.	Protocol	IPv4/IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; PPPoE; SNMP; ONVIF (Profile S/Profile G)	
24.	Video Content Analytics	Tripwire, intrusion	
25.	Ethernet	RJ-45 (10/100Base-T)	
26.	Alarm Event	Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error,	



		network disconnection, IP conflict, illegal access, voltage detection	
27.	User	20	
28.	IR Range	The camera should have Smart IR and cover distance up to 50 mtr or above.	
29.	Micro SD	FTP; Micro SD card (support max. 256GB); NAS	
30.	Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F)	
31.	Power Source	Dual Power Source 12 VDC & PoE (802.3af)	
32.	Weatherproof Standard	IP67 with OEM Fitted Metal Body	
33.	Certifications	CE, FCC, UL, ROHS, BIS	

**8 Ch. Network Video Recorder with 4 SATA Ports and Industrial- grade embedded Processor**

Sr. no.	Specification		Compliance (Yes/No)
1	Two-way Talk	1 channel Input, 1 channel Output	
2	User Interface	Web & Graphic User Interface	
3	Video Output	1 HDMI, 1 VGA	
4	Video Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP	
5	Video Compression	H.265/ H.264	
6	Channel	16 channels	
7	Bandwidth Incoming	256Mbps or Better	
8	Motion Detection	MD Zones: 396(22×18).	
9	Video Loss	supports	

**8 Port Gigabit POE Switch Specifications**

		Compliance (Yes/No)
Switch Capacity	20 Gbps Full duplex	
Uplink Ports	2, 1000Mbps; Transmission Distance: 0-100m	
PoE Power Budget	96W	
Anti-thunder Level	Common mode: 2KV; Differential mode: 2KV	
ESD	Air discharge: 1.5KV; Contact discharge: 1.5KV	
Ethernet Port Light	Light off: Link is disconnected Red light on: Powering but data disconnected Light flash quickly: Data Transmitting	
Network Port	10	
Transmission Distance	0-100m/100 Mbps	
PoE Ports	8, 1000Mbps; RJ45 ports; Max. 30W Output of Single PoE Port Transmission distance: 0~100	
PoE Power Supply	1/2(+), 3/6(-)	
PoE Standard	IEEE802.3af, IEEE802.3at	
Packet Forwarding Rate	1.488Mpps/port	
MAC Address List	2K	
Power Source	Built-in Power Supply, Input: 110-264V AC, 50/60Hz	
Power Consumption	<5W	

Operating Temperature	-10°C~ -50°C	
Humidity	10%-95% , non-condensing	
Storage Temperature	-40°C~70°C	

Sr. No.	Name of the Item	Specification
1	T Shape Pole with CCTV Camera & Solar light and battery system hybrid setup	5 MTR tubular pole

**Price Bid**

A. Price Bid for Installation of new CCTV cameras

Sr. No.	Items	Quantity	Unit Rate	Total Amount
1.	CCTV Bullet Camera	04 Nos		
2.	NVR	01 Nos		
3.	POE Switch 8 Port	01 Nos		
4.	Hard Disk 10 TB	01 Nos		
5.	Cat 6 Wire	150 Mtr		
6	T Shape Pole with CCTV Camera & Solar light and battery system hybrid setup ( 5 MTR tubular pole)	4		

**Rate Rates quoted above should be only the unit price (i.e. inclusive basic price, transportation and any other charges) and inclusive of GST and any cess on GST.**

**Note :**

1. There should be no erasing and/or overwriting. The Tenders with erasing and/or overwriting shall be summarily rejected.
2. Qty mentioned in this tender are liable to be changed at the discretion of the HPNLU. Payment would be made on the approved unit rate and actual work executed.
3. The bidders has to bid for both category i.e. "Supply and installation of CCTV cameras".
4. The price bid will be reviewed for each category separately or both cumulatively for all items at the discretion of HPNLU, Shimla may declare L1 for each category separately or cumulatively.

(Signature of Authorized Signatory)

Name and Designation \_\_\_\_\_

Name of Firm & Seal \_\_\_\_\_

Contact No. \_\_\_\_\_