# UNIVERSITY OF KALYANI

## NOTICE INVITING TENDER

**Tender Ref. No.: NIT/KU/VC/IT-WiFi-Devices/2026-27** **Dated: November 06, 2026**

Sealed Tender is invited by the University of Kalyani for **Purchase of CCTV Camera and WiFi Devices with its Accessories**, University of Kalyani.

Interested bidders may follow the instructions as given below for submission of their tender. Tender documents may be downloaded from the University website **www.klyuniv.ac.in** and the same after filled up must be submitted to **the CIRM Office, University of Kalyani.**

**Last date of receiving tender document: 18/11/2026 up to 4 p.m.**

- For specification of items please refer **Annexure-A** of the Tender Documents
- For furnishing basic information about the bidder, please refer **Annexure- B** of the Tender Document
- For submission of Quotation, Bidder must follow the Price Bid Format vide **Annexure – C** of the Tender Document.
- For Terms and Conditions, Bidder must follow Annexure**-D** of the Tender Document.

Sd/-

**System-in-charge**
**University of Kalyani**
**Kalyani, Nadia-741235**

## A.1: Technical Specifications of WiFi-Divices:

| Parameters | Details |
|---|---|
| **WiFi Standards** | IEEE 802.11ax WiFi 6 Standard ;WMM Wireless Multimedia Prioritization ; 5.0GHz: 802.11a/n/ac/ax; 2.4GHz: 802.11b/g/n/ax |
| **Wireless Mode (Transmit x Receive)** | 4x4 in 5GHz 4x4 in 5GHz 4x4 in 2.4GHz |
| **OFDM/OFDMA** | Supported |
| **Multi-User MIMO** | Bidir and MU-MIMO |
| **Maximum Theoretical Throughput** | AX6000 6 Gbps |
| **Maximum Theoretical Throughput per Band** | 5GHz H: 2400Mbps<br>5GHz L: 2400Mbps<br>2.4GHz: 1200Mbps |
| **Antenna Gain** | Internal 2.4/2.9 dBi (2.4GHz/5GHz) |
| **Power over Ethernet (PoE)** | 802.3at/af |
| **PoE Power Consumption** | 30.1 W |
| **Secure Socket Layer (SSL)** | Yes |
| **Wireless Distribution System (WDS)** | • Repeater<br>• Bridge Point-to-point/Multi-point,<br>• Simultaneous Bridge and Wireless Client Association |
| **Security** | • WiFi Protected Access (WPA/WPA2/WPA3), 802.11i<br>• MAC address filtering with access contro<br>• 802.1x RADIUS support with EAP TLS, TTLS, PEAP<br>• Neighbor AP detection<br>• Block SSID Broadcast<br>• VLAN Support<br>• Guest Network/Captive Portal<br>• Bandwidth management<br>• Bandsteering |
| **WiFi Mesh** | Wireless backhaul to form Mesh Network |
| **Interface** | One 100/1000/2.5GBASE-T Gigabit Ethernet; (RJ-45) ports with Auto Uplink™ (Auto MDI-X); Supporting IEEE 802.3af or 802.3at Power over Ethernet (PoE); One 100/1000GBASE-T Gigabit Ethernet (RJ-45) port |
| **Power Adapter** | 12V DC, 2.5A |
| **LED** | Five (5): Power and Cloud connection; Two (2) LAN ports; 2.4GHz status; 5.0GHz status |
| **Security** | • WiFi Protected Access® (WPA, WPA2, WPA3)<br>• WPA2 and WPA3 Enterprise<br>• Wireless access control to identify authorized wireless network devices<br>• MAC address authentication |
| **Advanced Wireless** | • Bridge mode: Point-to-point wireless<br>• Bridge mode: Point-to-multipoint wireless<br>• Repeater mode<br>• Adjustable Transmit Power Control (TPC)<br>• Device detection<br>• Identify type of wireless clients in the network |
| **Hardware Limited Warranty** | Lifetime hardware Replacement |

**A.2: Technical Specifications of PoE Injector:**

| Feature | Description |
|---|---|
| Standards and Protocols | IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3af, IEEE802.3at |
| Network Media | • 10BASE-T: UTP category 3, 4, 5 cables (maximum 100 m)<br>• EIA/TIA-568 100Ω STP (maximum 100 m)<br>• 100BASE-TX: UTP category 5, 5e cables (maximum 100 m)<br>• EIA/TIA-568 100Ω STP (maximum 100 m)<br>• 1000BASE-T: UTP category 5, 5e, 6 cables (maximum 100 m) |
| Ports | • 1× 10/100/1000Mbps RJ45 data-in port<br>• 1× 10/100/1000Mbps RJ45 power+data-out port (Max. 60 W)<br>• 1× AC socket |
| Power Consumption | • Input: 100-240 V, 50/60 Hz, 1.6A<br>• Output: Auto-determine the necessary power requirements (max. 60 W) |
| Basic Function | • Auto-Sensing Algorithm enables providing power with 802.3af/at/bt*PD<br>• Auto-determine the necessary power requirements<br>• Wall-mounting and desktop installation supported<br>• Plug-and-Play |
| Certification | FCC, CE, RoHS |

**A3 : Technical Specifications of Dome Camera**

| Features | Description |
|---|---|
| Image Sensor | 1/3" 4Megapixel progressive scan CMOS (0.84667cm) |
| Minimum Illumination | 0.03Lux/F1.6 (Color,1/3s,30IRE) 0.3Lux/F1.6(Color,1/30s,30IRE) 0Lux/F1.6(IR on) |
| Effective Pixels | 2688(H) x 1520(V) |
| BodyType | Vandal Dome |
| Shutter Speed | Auto/Manual, 1/3~1/100000s |
| White Balance | Auto/Natural/Street Lamp/Outdoor/Manual |
| Lens | 2.7mm~13.5mm Motorized |
| Gain Control (AGC) | Auto/Manual |
| Close Focus Distance | 0.8m |
| Video Compression | H.265+/H.265/H.264+/H.264 |
| Lens Type | Motorized |
| Angle of View | H: 100°~27°, V:54°~16° |
| Max. Aperture | F1.6 |
| DORI Distance | W– 64m (Detect) 26m (Observe) 13m (Recognize) 6m (Identify) T– 222m (Detect) 89m (Observe) 44m (Recognize) 22m (Identify) |
| S/N Ratio | More than 50dB |
| Back Light Comp. | BLC / HLC / WDR(120dB) |
| Video Streaming | Main Stream: 4M(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 1080P(1~14/4fps) |
| Digital Zoom | 16x |
| Resolution | 4MP(2688×1520)/3MP(2304×1296)/ 1080P(1920×1080)/1.3MP(1280x960)/ 720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240) |
| Motion Detection | Off / On (4 Zone, Rectangle) |
| Privacy Mask | Off / On (4 Area, Rectangle) |
| ICR | Auto(ICR)/Color/B/W |
| ROI | Off / On (4 Zone) |
| Audio Input | 1 (RCA port) |
| Audio Output | 1 (RCA port) |
| Audio Compression | G.711a/G.711Mu/AAC/G.726 |
| Alarm IN | 1 channel In: 5mA 5VDC |

| | |
|---|---|
| Alarm Out | 1 channel Out: 300mA 12VDC |
| Bit Rate | H.264: 32~10240Kbps ; H.265: 32~8192Kbps |
| Protocol | HTTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP; ONVIF, PSIA, CGI |
| Smart Detection | Intrusion; tripwire, Object Abandoned/Missing, Face Detection |
| Ethernet | RJ-45 (10/100Base-T) |
| User Account | 20 users |
| Smart Phone | iPhone, iPad, Android Phone |
| IR Range | IR Range of 50 Mtr., Smart IR |
| Micro SD | Micro SD Card 256GB |
| Operating Temperature | -30°C~+60°C (-22° F ~ +140° F) |
| Storage Temperature | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH |
| Humidity | Less than 95% RH |
| Power Source | DC12V, PoE (802.3af) |
| Power Consumption | <13.8W |
| Weatherproof Standard | IP67 & IK10 |
| Casing | Metal |
| Installation Process | Install with our existing NVR System (DHI-NVR4232-4KS2/L) |
| Warranty | Minimum 02 Year on Site with Parts & Labour |

**A.4: Technical Specifications of Cat-6 UTP Cable:**

| Feature | Description |
|---|---|
| Type | Category 6 Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-B.2-1 Additional Transmission Performance Specifications for 4-pair Category 6 Cabling.<br>Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP. |
| | Supports ultrahigh speed data networks such as Gigabit Ethernet (1000 Base-T and 1000 Base-TX) and beyond. |
| Jacket: | The cable jacket shall be LSZH and LSZH sheath should Complying to:<br>a. Fire rating IEC 60332-1,<br>b. Acid gas IEC 60754-2<br>c. Smoke density IEC 61034-2 |
| | Incorporates central spine maintaining pair separation during installation to ensure premium performance after installation. |
| Mechanical Characteristics | Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.<br>Conductor Solid Copper<br>Conductor Diameter 0.56±0.005mm (23 AWG)<br>Insulator Polyolefin<br>Outer Diameter 6.0±0.4mm<br>Max. Temperature 60°C |
| ROHS/ELV | Compliant |
| ETL Test Report @700 MHz | Cable should have test by ETL / Intertel @800 |

**Note: The quantity may vary depending upon the actual requirements. Actual quantity will be taken into account for certification of work.**

**Annexure – B**

**BASIC INFORMATION FOR BIDDER**

(To be furnished in the Company's official letter pad)

| | | | |
|---|---|---|---|
| 1 | **Name of the Bidder** | : | |
| 2 | **Address for Communication** | : | |
| | | | |
| 3 | **Contact Number(s)** | : | |
| 4 | **E-mail ID** | : | |
| 5 | **Trade License No. (Please enclose copy of Trade License)** | : | |
| 6 | **PAN (Please enclose copy of PAN Card)** | : | |
| 7 | **GST Registration No.(Please enclose copy of GST Registration Certificate)** | : | |
| 8 | **Do you have previous experience for doing similar nature of Items at Educational Institute of Higher Learning (Please enclose copy of Purchase order, if yes)** | : | **Yes/No (Please put tick mark)** |
| 9 | **Annual Turnover as per Audited Statement of Accounts** | : | **2023-24: Rs……..**<br>**2024-25: Rs……..**<br>**2025-26: Rs……..**<br><br>**Average Annual Turnover: Rs……** |
| 10 | **Full Address of the Office in Kolkata or its surrounding area with contact person & contact no.** | : | |

**I hereby declare that the above information is true and correct to the best of my Knowledge and belief. In case of any false/wrong/misleading information, I shall be bound to take the decision taken by the University.**

**Signature of the Bidder**
**(With Seal)**

**Annexure – C**

**PRICE BID FORMAT (To be prepared in Letter Head/Official Pad of the bidder)**

| Sl. No. | Item | Quantity | Basic Price of quoted materials In INR | Discount, if any, in INR | GST @ 18% on Basic Price after Discount in INR | Other Costs, if any, in INR | Total Cost in INR |
|---|---|---|---|---|---|---|---|
| | **Annexure A** | **1** | **2** | **3** | **4** | **5** | **6=2-3+4+5** |
| 1 | A1: WiFi Devices | 01 No. | | | | | |
| 2 | A2: PoE Injector | 01 No. | | | | | |
| 3 | CCTV Camera | 02 Nos. | | | | | |
| 3 | A3: Cat-6 UTP Cable | 01 Box ( 305 mtr.) | | | | | |
| **Total Cost ( Including GST)** | | | | | | | |

**Signature of the Bidder**
**(With Seal)**

**Annexure – D**

# TERMS AND CONDITIONS

**1. Bid Price:**

a) Bid must be submitted properly. Corrections, if any, shall be made by crossing out accompanied with initial of the bidder and re writing.

b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price but should be indicated separately in the price bid.

c) The rate quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

d) Bidder must mention the name of manufacturer and model number for each of the item.

e) Bidder must quote for all the items. Partial quotation will not be accepted and tender will be rejected in that case.

**2. Bid should be submitted by E-tender Portal after mentioning the Tender Reference Number & Date and shall be addressed to: Registrar, University of Kalyani, Kalyani, Nadia-741 235. Last date for submission is 18th November, 2026 up to 4 p.m.**

3. Evaluation of Quotation: The Purchaser will evaluate and compare the quotations determined to be substantially responsive.

4. Award of Contract: The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive both technically and commercially. Purchaser reserves the right to reject any or all the tender, wholly or partly, without assigning any reason thereof and shall not be bound to accept the lowest bid.

5. Document in support of Manufacturer/Dealer and Service Provider has to be submitted along with the tender paper.

6. Documents of previous experience for similar trade, at least for last 2 years, must be submitted along with the tender.

7. Bidder must have adequate documents relating to Trade License and updated returns for Income Tax, Professional Tax, and GST.

8. Time Schedule: The supply must be completed within 15 days from the date of receipt of the purchase order.

9. Validity of offer: A bidder should spell out in the tender that it shall remain valid for a minimum period of six (6) months from the date of opening of the tender and during this period, the bidder shall not be entitled to revoke or cancel its offer.

10. **Make & Model**: Bidder must mention Make and Model and must submit the product details/catalogue/brochure **along with complete technical specifications.**

11. Bidder must enclose Technical Compliance Sheet.

12. **Place of delivery: Centre for Information Resource Management (CIRM), Kalyani, Nadia-741 235, West Bengal, India.**

**13. WARRANTY:** The equipment's covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period as stated in the technical specification from the date of putting the system into operation at the Composite Building, University of Kalyani. Warranty certificate of quoted product must be given in OEM letterhead from regional office.

14. In case of any dispute, the University's decision will be treated as the final and conclusive. All legal actions are subject to Kolkata jurisdiction only.

15. Quotation must be submitted through official pad of the bidder duly signed with seal and contact numbers of the respective person of the bidder concern.

16. University may take decision about non-purchase of the said items even after selection of vendor due to its fund constraints.

17. University of Kalyani reserves the right to relax any clause as stated hereinabove for Selection of suitable vender.

**18. Bidder must complete the entire work within 10 working days from the date of issuing Work Order. Payment in advance will not be made. Payment will be made after successful supply and installation of work in full.**

**19. In case of incomplete work on the part of the bidder due to the reason not caused for University administration, bidder should solely be liable to complete the work. Abnormal delay will cause penalty @10% on the value of work certified by the University if the work is actually completed. Otherwise, the cost for completion of the work by another vendor will be deducted from the payable amount of the bidder along with penalty charges @ 10% of the value of work certified by the University for the incomplete work will be applicable.**

**20. Bidder must provide OEM Authorization Certificate.**

**21. Tender Specific Technical Compliance with warranty Certified by OEM Letter Head as per Tender Specification.**

**22. Manufacturer's Authorization:** Document in support of Manufacturer/Dealer and Service Provider has to be submitted along with the tender paper. If the bidder is not the manufacturer, proper manufacturer's authorization and warranty from manufacturer is required and in this case bidder should have full-fledged registered office in India. All Components should be from single OEM. The OEM should be member of IT Industry Association. Passive OEM should be in India for more than 30 years. Tender specific authorization letter should be submitted along with bid.

Sd/-

**System-in-Charge**
**University of Kalyani**
**Kalyani, Nadia-741235**