



राजस्थान केन्द्रीय विश्वविद्यालय
Central University of Rajasthan



Category-I University

**TENDER NOTICE & DOCUMENT FOR
Supply, Installation, Testing and
Commissioning of Wireless Outdoor
CCTV Surveillance System and Unified
CCTV Central Control Room with 3
Years Comprehensive On-site
Maintenance Contract at Central
University of Rajasthan**

S. No.	Contents	Page No.
1.	Schedule of tender	03-06
2.	Tender notice	07
3.	Important notes to bidders	08
4.	Scope of work and additional terms & conditions	09-21
5.	Terms and conditions of tender	22-33
6.	Technical specifications	34
7.	Annexure-A-1 of Technical Specification	35-57
8.	Tender Form (Techno Financial Un priced Bid)	58-59
9.	Tender Form (Priced Bid)	60
10.	Price Schedule Annexure-B-1	61-66
11.	Format of Performance Bank Guarantee	57-68
12.	Format For Manufacturer's Authorization Letter To Agent	69
13.	Declaration Regarding Blacklisting/ Debarring for Taking Part in Tender	70
14.	Certificate of Guarantee/ Warranty	71
15.	Technical Specifications Compliance Sheet	72
16.	Integrity Pact	73-74
17.	Check list for terms and conditions	75

CENTRAL UNIVERSITY OF RAJASTHAN

(Established under the Central Universities Act 2009)

Bandarsindri – 305817, Distt.: Ajmer, Rajasthan.

Website: www.curaj.ac.in

1. Schedule of Tender:

Tender document for Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan. Tenders are invited from the reputed OEM/Channel partners/authorized dealers/firms etc. for Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan with “**Part A**” as **Technical Bids** and “**Part B**” as Financial Bids. The details are as follows:

S. No	Item Description	Unit	Qty
1.	SITC of 5MP or Higher Outdoor Motorised lens Bullet Camera with mounting fixture on outdoor 6 Mtr poles or higher, including 512GB Class-10 SD Card. (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.	Nos.	99
2.	SITC of 4MP or Higher Outdoor PTZ camera with mounting fixture 6 Mtr or higher poles, including minimum 256GB Class-10, SD Card (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.	Nos.	4
3.	SITC of Unified VMS Software solution with perpetual (Lifetime) licenses with Failover function, scalable up to a thousand cameras, including 5 or higher client viewing licenses, with 3 years onsite comprehensive warranty and maintenance support.	Set	1
4.	SITC of VMS software Camera perpetual (Lifetime) License for 300 Cameras with 3 years onsite comprehensive warranty and maintenance support.	Nos.	300
5.	SITC of VMS software, Desktop/Mobile Client perpetual (Lifetime) license with built-in Camera function, Mobile camera should be live view & Recording on VMS in the Main control room with 3 years onsite comprehensive warranty and maintenance support.	Nos.	10
6.	SITC of Video Management server with Failover for Up to 1000 cameras with edge video Analytics applications Processing functions with 3 years onsite comprehensive warranty and maintenance support.	Set	2
7.	SITC of Dual Controller Video Storage Server Appliance for 30 days of recording with a minimum of 480TB raw storage expandable up to 2 Petabytes of storage with 3 years onsite comprehensive warranty and maintenance support.	Nos.	1
8.	SITC of High-Performance Workstation for VMS Client Monitoring and Video Wall Control, with 3 years onsite comprehensive warranty and maintenance support.	Nos.	2
9.	SITC of Workstation for VMS Client Monitoring, including 21-inch or higher LED monitor, with 3 years onsite comprehensive warranty and maintenance support.	Nos	4
10.	SITC of Laptop with pre-installed genuine Windows 11 Professional, including laptop bag, with 3 years onsite comprehensive warranty and maintenance support.	Nos	1
11.	SITC of LED Monitor, 55" 4K, 24x7 Rated for Control Room with 3 years onsite comprehensive warranty and maintenance support..	Nos	4
12.	SITC of LED Monitor, 24" Full HD for Control Room with 3 years of onsite comprehensive warranty and maintenance support.	Nos	2

13.	SITC of Network Switch, L2 Managed, 24 Port with 4SFP Port with 3 years of onsite comprehensive warranty and maintenance support.	Nos	1
14.	SITC of 10G SFP Module should be the same as the existing network L3 Switch with 3 years of onsite comprehensive warranty and maintenance support.	Nos	4
15.	SITC of L3 Network Switch, Managed, 24-Port with 3 years onsite comprehensive warranty and maintenance support.	Nos	1
16.	SITC of Industrial Grade Managed PoE Network Switch, 8 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.	Nos	4
17.	SITC of Industrial Grade Managed PoE Network Switch, 4 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.	Nos	40
18.	SITC of RF Wireless backhaul Radio System (Outdoor Point-to-Point) with 3 years onsite comprehensive warranty and maintenance support.	Nos	12
19.	SITC of RF Wireless Base Station Radio with 3 years onsite comprehensive warranty and maintenance support.	Nos	7
20.	SITC of RF Wireless Base Station Sector antenna with 3 years onsite comprehensive warranty and maintenance support.	Nos	7
21.	SITC of RF Wireless CPE Radio with Integrated Antenna on outdoor poles with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
22.	SITC of LFP Battery-Based Outdoor DC UPS (Minimum 90 VA) suitable for pole-mounted field devices with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
23.	SITC of Pole Mount Outdoor Junction Box with Din-Rail Arrangement with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
24.	SITC of Cat 6 Armoured STP LAN Cable including Conduit and required fixtures with 3 years onsite comprehensive warranty and maintenance support.	Mtr	1800
25.	SITC of 6 Meter or higher Pole with foundation with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
26.	Works of Testing, Configuration, Firmware Update, IP Re-Allocation & Re-commissioning of the Existing Camera and Network Switches in the proposed system, including Works of OTDR Testing & rectification of any faults, including fiber splicing & pigtail as required in the Existing Optical Fiber cable backbone of the CUR Network & Works of Penta scanning & rectification of any faults in the existing Cat-6 cable LAN network, including repunching of I/O Modules & Patch Panels of the CUR network for existing CCTV system.	Job	1
27.	Works of Unified Video Surveillance System and CCTV Control room Re-Commissioning, Software configuration, Customization & user training Services with Integration of the Existing Active & Passive ITC LAN System with the proposed Solution.	Job	1
28.	Supply and laying of Electrical works with 3 years onsite comprehensive warranty and maintenance support as per actual measurement/requirement 28.1) Supplying of 3 X 2.5 sq. mm PVC insulated and PVC sheathed / XLPE, copper conductor armored power cable of 1.1 KV grade	RMT	6000 (Tentative)
	28.2) Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Nos.	60 (Tentative)
	28.3) Supplying and fixing 20 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral.	Nos.	60 (Tentative)

29.	Providing and carrying out Civil work including laying/ excavation/digging work in all types of as per actual measurement/requirement with 3 years onsite comprehensive warranty and maintenance support		
	29.1) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required.(3 X 2.5 sq. mm)	RMT	4500 (Tentative)
	29.2) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on the existing poles/wall as required. (3 X 2.5 sq. mm)	RMT	1500 (Tentative)
	29.3) Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Nos	60 (Tentative)
30.	Resident one engineer (Skilled) for 3 years onsite maintenance support	Months	36

IMPORTANT NOTE:

1. The bidder shall be required to obtain MAF certificate and Datasheet from OEM for supply items mentioned in above table at Sr. No. 1 to 13 and 15 to 22.
2. Scope of Work & Additional Terms & Conditions (ATC) should be provided on bidder letter head for Implementation, Installation, Commissioning and Integration with existing IP Camera and connectivity along with 3 years Comprehensive warranty and support.
3. It is advisable to inspect location to understand the actual requirement of university on all working days between 10.00 A.M to 5.00 P.M.

Amount of EMD (Rs.) = 6,60,000.00

Tender Fee- Rs. 1,000/-

Tender Document upload date : 25.03.2026
Pre-bid meeting date : 02.04.2026 (11:00 AM)
Pre-bid Meeting place : Central University of Rajasthan
N H 8, Bandarsindari,
Kishangarh, Ajmer - 305817
Last Date of Submission of Tender : 14.04.2026
Date of opening of Tender (Technical Bid): 15.04.2026

Type of Tender: Two Bid Systems. (Rule 163 GFR 2017)

Mode of EMD and Tender fee: Bidders should send separate Account Payee Demand Draft/Fixed deposit receipt/Banker's Cheque for Tender Fee (if applicable). For EMD, Account Payee Demand Draft/Fixed deposit receipt/Banker's Cheque/ Bank Guarantee from any of the Commercial Banks/payment online in an acceptable form in favor of "Registrar, Central University of Rajasthan" payable at Kishangarh/ Bandarsindri Distt. Ajmer.

University Bank Account details

Account Name: Central University of
Rajasthan Name of Bank: Bank of India
Account Number: 666110210000003
IFSC: BKID0006667

NOTE:

1. Tender number, its submission date and Name of the Tender should be mentioned,
2. If the tender is not opened on the above notified date, (due to any unforeseen circumstances), then the next working day will be considered as tender opening date.
3. The bidders who fail to submit the required tender fee, (if applicable) and EMD, their bids will not be considered for opening.

CENTRAL UNIVERSITY OF RAJASTHAN
(Established under the Central Universities Act 2009)
Bandarsindri – 305817 Distt.: Ajmer, Rajasthan.
www.curaj.ac.in

2. TENDER NOTICE

Tender Notice for Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan

	Central University of Rajasthan NH-8 Bandarsindri, Kishangarh, Distt-Ajmer-305817 Tel: 01463 – 257515 Website www.curaj.ac.in.
Tender No. CURAJ/Purchase/2025-26/4249	Date: 24.03.2026
<u>TENDER NOTICE</u>	
<p>Bids are invited on CPP Portal from the Manufacturers, Authorized Channel Partners/ Dealers/Firms for the Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan.</p> <p>Bids completed in all respects along with technical and price bids should be uploaded on CPP Portal on or before 2:00 PM, 14.04.2026. Technical Bids will be opened on 15.04.2026 at CPP Portal. For further details, please visit our website www.curaj.ac.in and CPP Portal i.e. https://eprocure.gov.in</p>	

राजस्थान केंद्रीय विश्वविद्यालय में वायरलेस आउटडोर सीसीटीवी निगरानी प्रणाली तथा एकीकृत सीसीटीवी कंट्रोल रूम की आपूर्ति स्थापना परीक्षण एवं कमीशनिंग तथा 3 वर्षों के व्यापक ऑन-साइट मेंटेनेंस कॉन्ट्रैक्ट हेतु निविदा सूचना

	राजस्थान केंद्रीय विश्वविद्यालय एन0एच008 बांदरसिंदरी किशानगढ़, जिला अजमेर। 01463-257515 Website www.curaj.ac.in.
टेण्डर न. सी0यू0राज0/कय/2025-26/4249	24.03.2026
<u>निविदा सूचना</u>	
<p>राजस्थान केंद्रीय विश्वविद्यालय में वायरलेस आउटडोर सीसीटीवी निगरानी प्रणाली तथा एकीकृत सीसीटीवी कंट्रोल रूम की आपूर्ति, स्थापना, परीक्षण एवं कमीशनिंग तथा 3 वर्षों के व्यापक ऑनसाइट मेंटेनेंस कॉन्ट्रैक्ट- हेतु निर्माताओं, अधिकृत चैनल पार्टनर्स/फर्मों/डीलर्स/ से सीपीपी पोर्टल के माध्यम से निविदाएँ आमंत्रित की जाती हैं।</p> <p>सभी दृष्टि से पूर्ण तकनीकी एवं मूल्य निविदाएँ सीपीपी पोर्टल पर दिनांक 14.04.2026 को अपराह्न 2:00 बजे तक अपलोड की जानी चाहिए। तकनीकी निविदाएँ दिनांक 15.04.2026 को सीपीपी पोर्टल पर खोली जाएँगी।</p> <p>अधिक विवरण हेतु कृपया विश्वविद्यालय की वेबसाइट www.curaj.ac.in तथा सीपीपी पोर्टल (https://eprocure.gov.in) देखें।</p>	

3. Important Notes to the Bidder:

1. Central University of Rajasthan, Bandarsindri, invites tenders under “2 Bid system” Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan as per the specifications given in the “Annexure A”.
2. Tender document can be downloaded from the University website at URL Link: <http://www.curaj.ac.in/tenders>. or Central Public Procurement Portal (CPP) at www.eprocure.gov.in.
3. The bidders are requested to read the tender document carefully and ensure all the compliance with instructions there in. Non-compliance of the instructions contained in this document, may disqualify the bidders from the tender process.

Envelope containing appropriate Earnest Money Deposit (EMD) in the form of Demand Draft in favor of CENTRAL UNIVERSITY OF RAJASTHAN payable at Bandarsindri, Kishangarh/Madanganj should be sent to:

The Registrar
Central University of
Rajasthan N.H.-8, Jaipur-
Ajmer Highway,
Bandarsindri, Kishangarh, Distt.
Ajmer, Rajasthan- 305817

Tender shall be rejected if the Earnest money in the form of D.D.'s is not found in proper order.

4. Bidders are required to upload photocopy of cheque & NEFT Bank Details with tender /quotation to enable us to making payment through on line transfer, for refund of EMD.
5. Any clarification regarding tender specification before submission of tender document can be discussed with the Officer Incharge (Purchase) 01463-257515 or through email id at oi.c.purchase@curaj.ac.in.

Registrar
CENTRAL UNIVERSITY OF RAJASTHAN
Bandarsindri, Rajasthan

CENTRAL UNIVERSITY OF RAJASTHAN

Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Central Control Room with 3 Years Comprehensive On-site Maintenance Contract at Central University of Rajasthan

4. SCOPE OF WORK AND ADDITIONAL TERMS & CONDITIONS (ATC)

(All the points of this scope of work & STC should be accepted and certified by bidder/OEM on letter head)

1. Scope of Work and Introduction

- a. The Central University of Rajasthan is NAAC A++ Accredited and Category – I university with campus spread across 518 acres of land having 12 schools, 32 Departments, Separate hostels for boys and girls, staffs quarters etc.
- b. Central University of Rajasthan (CURAJ) is rapidly evolving into a major academic and research hub with extensive infrastructure spanning academic buildings, hostels, residential facilities, administrative blocks, sports complexes, libraries, laboratories, public squares, and large outdoor areas. The campus covers a geographically wide area characterized by long distances between buildings, open fields and multiple under-construction zones.
- c. The scope of work includes the design, supply, installation, testing, commissioning, and maintenance of Wireless CCTV Surveillance System to cover all designated outdoor areas of the university campus. The system shall ensure real-time monitoring, recording, playback, and centralized management of all installed new and existing cameras through a unified Video Management System (VMS). Bidder shall maintain and provide Comprehensive Onsite maintenance of proposed Wireless CCTV Surveillance System as per the tender terms and conditions.
- d. At present, the University currently operates approximately 200 indoor CCTV cameras that were installed over various phases. These systems, though functional at their individual locations, operate through distributed recording systems of varying vintages, fragmented storage solutions, and limited monitoring capabilities. As a result, CURaj looking for unified security architecture that can centrally monitor, record, analyse, store, and retrieve footage across all departments and locations. The existing system does not provide integrated situational awareness or comprehensive coverage of critical roadways, junctions, campus boundaries, or rapidly developing construction sites.
- e. CURAJ plans to deploy approximately 103 new IP-based bullet and PTZ cameras, strategically placed across blind spots, roads, perimeters, public areas, and high-footfall zones. Moreover, all 200 existing cameras will be migrated into a new centralized, highly scalable Video Management System (VMS) with unified storage, and monitoring capabilities.
- f. Given the campus large physical scale and the high cost and difficulty of laying optical fibre cable (OFC) across remote or hard-to-reach locations, CURAJ aims to deploy a hybrid RF + OFC. This combines the reliability of OFC where available with the flexibility and rapid-deployment capability of RF Point-to-Multipoint (PTMP) and Point-to-Point (PTP) wireless backhaul networks for remote and open-area connectivity. The RF backbone also eliminates the delays and civil challenges associated with trenching and fiber-laying in rocky terrain or construction zones.
- g. **The key objective for the new surveillance system includes:**
 - i. **End-to-end Surveillance Coverage:**

The system will cover roads, internal junctions, pedestrian walkways, open public courtyards, bus stops, parking areas, sports zones, perimeters, and construction sites— areas previously unmonitored or inadequately covered as approved by Engineer-in-charge.
 - ii. **Centralized Monitoring & Storage:**

A unified VMS and centralized storage infrastructure will replace distributed NVRs, enabling consistent retention, uniform access control, and centralized incident handling.

iii. **Wireless RF Network Backbone:**

The RF-based network provides flexibility and scalability, enabling rapid installation of cameras in remote/open areas where OFC deployment is not feasible or economically viable.

iv. **Scalability for Future Expansion:**

The new surveillance system is architected to support 1,000+ cameras, ensuring longevity and future-readiness as the University grows.

v. **Improved Safety & Security:**

Enhanced monitoring safeguards of students, faculty, residents, visitors, staff, and others by providing 24x7 surveillance

vi. **Scalable Campus-Wide Surveillance Infrastructure**

Deployment of approximately (100+ new and 200 existing cameras with capacity to expand up to 1,000 cameras without changes in core architecture.

vii. **Unified VMS Platform for Old & New Cameras**

All existing approximately 200 cameras will be migrated and standardized within the new VMS and storage ecosystem to ensure uniform retention, naming, access control, and monitoring.

viii. **High-Capacity Wireless Backhaul**

RF PTMP and PTP solutions will enable reliable communication between camera clusters, buildings, and reducing dependence on physical fibre and ensuring fast deployment.

2. SCOPE OF WORK – DETAILED REQUIREMENTS

The bidder shall provide a complete turnkey solution, including supply, installation, integration, configuration, testing, and commissioning of a campus-wide hybrid CCTV surveillance system supporting up to 1,000 cameras. The core elements include:

- Approximately 100+ new IP cameras (bullet/PTZ cameras)
- Integration of approximately 200 existing cameras
- RF wireless backbone (PTMP + PTP)
- Enterprise VMS + scalable storage architecture
- All necessary poles, mounting fixtures for cameras, RF Radios junction boxes, cabling, accessories, connectors, civil work, electrical work etc. to make entire CCTV Surveillance system functional.
- Tentative New Outdoor Camera Location for Wireless CCTV Surveillance

Sr. No.	Camera Location	Camera Type	Qty
1.	Main Gate number -1	Bullet 5 MP	2
2.	Flag Point Circle -1	Bullet 5 MP	3
3.	Admin Building - Front Side	Bullet 5 MP	2
4.	Admin Building - Front Side	PTZ 4 MP	1
5.	Admin Building - Back Side	Bullet 5 MP	1
6.	Between 4A5&4A6 front side Road	Bullet 5 MP	2
7.	Between 4A5&4A6 Back side Road	Bullet 5 MP	3
8.	Between 4A3&4A4 front side Road	Bullet 5 MP	2
9.	Between 4A3&4A4 Back side Road	Bullet 5 MP	3
10.	Front & Back Side Entry & Exit 4A5	Bullet 5 MP	2
11.	Front & Back Side Entry & Exit 4A6	Bullet 5 MP	2
12.	Front & Back Side Entry & Exit 4A3	Bullet 5 MP	2
13.	Front & Back Side Entry & Exit 4A4	Bullet 5 MP	2
14.	CIL Building Entrance	Bullet 5 MP	1
15.	Circle -2	Bullet 5 MP	3

16.	Circle -3	Bullet 5 MP	3
17.	Gate Number -2	Bullet 5 MP	2
18.	STP Plant	Bullet 5 MP	2
19.	Gate Number -3	Bullet 5 MP	2
20.	T Point between Circle-3 to KV T Point	Bullet 5 MP	3
21.	KV Point Near pond	Bullet 5 MP	2
22.	Near KV T Point	Bullet 5 MP	3
23.	Near BOI & canteen area	Bullet 5 MP	3
24.	Near Girls Hostel-2 Y-Point	Bullet 5 MP	2
25.	Near Girls Hostel-4 L-Point	Bullet 5 MP	2
26.	Near Tennis court	Bullet 5 MP	2
27.	Near Girls hostel-1 Front side T- Point	Bullet 5 MP	2
28.	Mega Mess	Bullet 5 MP	2
29.	Boys Hostel -B5 Front	Bullet 5 MP	1
30.	Boys Hostel -B5 Back	Bullet 5 MP	1
31.	Boys Hostel -B6 Front	Bullet 5 MP	1
32.	Boys Hostel -B6 Back	Bullet 5 MP	1
33.	Boys Hostel -B7 Front	Bullet 5 MP	1
34.	Boys Hostel -B7 Back	Bullet 5 MP	1
35.	SP Circle near B-5 Hostel	Bullet 5 MP	3
36.	Near Auditorium	Bullet 5 MP	1
37.	SP-2/Library Entrance	Bullet 5 MP	1
38.	T-Point Near the Football playground	PTZ 4 MP	1
39.	L-Point Near the Football playground	Bullet 5 MP	2
40.	Between Hockey & Cricket Playground	Bullet 5 MP	2
41.	Helipad Area	PTZ 4 MP	1
42.	Power Sub Station 2	Bullet 5 MP	1
43.	B-8 Boys Hostel Entrance	Bullet 5 MP	1
44.	Type B QtR -T Junction	Bullet 5 MP	3
45.	Front of Type B-QTR	Bullet 5 MP	1
46.	Entrance of Yoga Building	Bullet 5 MP	1
47.	T-Point of VC Residence	Bullet 5 MP	2
48.	Circle -4	Bullet 5 MP	3
49.	Water Tank House	Bullet 5 MP	1
50.	Power House	Bullet 5 MP	1
51.	Power Sub Station 1	Bullet 5 MP	1
52.	Type D QtR -T Junction	Bullet 5 MP	3
53.	Type C QtR Entry-1 & Entry-2	Bullet 5 MP	2
54.	Type D QtR -Entry	Bullet 5 MP	1
55.	Guest House Entry	Bullet 5 MP	1
56.	Guest House Exit	Bullet 5 MP	1
57.	Guest House	PTZ 4 MP	1
58.	Central Store	Bullet 5 MP	1
		Total	103

3. CAMPUS SURVEY

a. The bidder must conduct a detailed site survey before pre bid meeting:

- Identify coverage needs for roads, junctions, walkways, parking areas, hostels, academic blocks, administrative locations, and construction sites.
- Identify existing poles and new pole installation suitability.
- Design placement of new 6 mtr or higher poles as per site conditions.
- Determine ideal camera height, angles, Field of View (FoV), IR range, and mounting configuration.

b. Scalability Planning (1,000 Cameras)

The bidder must provide:

- High performance server VMS architecture.
- Scalable storage that can expand by adding enclosures/disks.

- PTMP sectors sized to accept future subscriber modules.
- PTP backbone links capable of 1 Gbps or higher throughput expansion.
- Adequate compute resources for 1,000-camera future load.

4. SUPPLY & INSTALLATION OF CAMERAS

a. 100 + New IP Cameras

To be installed across roads, open areas, hostels, pathways, perimeters, entrances, and construction zones. All cameras must be IP66 or higher.

b. Migration of approx. 200 Existing Cameras:

All existing cameras must be:

- Reintegrated, Relocate into the new VMS
- Assigned new naming conventions
- Configured with updated retention and access rule

5. POLE INSTALLATION & FIELD INFRASTRUCTURE

The bidder shall:

- Supply & erect specialized poles with proper foundation.
- Install junction boxes with MCB, SPD, PoE power, and cable management.
- Ensure weatherproofing and proper conduit routing.

6. RF NETWORK RADIO WIRELESS LINK PLANNING & NETWORK DESIGN

a. PTMP Subscriber Modules (SM) at Camera Poles

- Each camera cluster connected via SM.
- Proper alignment, SNR as per requirement or better Roof top PTMP Base Stations
- Installed on key buildings.
- Each base station designed to handle additional future SMs.

b. High-Capacity PTP Backhaul Network

- PTP radios with ≥ 1 Gbps throughput or higher.
- Provides building-to-CCR wireless backhaul.
- Supports future expansion by adding additional radios/channels.
- Each base station designed to handle additional future SMs.

c. The bidder must design:

- PTMP clusters to connect camera groups to rooftop base stations.
- PTP backhaul links to connect each building to CCR.
- Channel plans, interference analysis, and frequency reuse strategies.
- RF link budgets, SNR targets, and antenna alignment plans.
- The bidder shall carry out complete RF link planning for all wireless backhaul links connecting field CCTV nodes to aggregation/base stations

d. Planning must include:

- Path profiling and assessment of Fresnel zone clearance
- Line Of Sight (LOS) vs. Non-Line of Sight (NLOS) verification using field survey tools
- Selection of suitable frequency channels and channel widths
- Interference analysis and mitigation planning
- Analysis of all other tasks for successful implementation of the project.

e. The bidder shall prepare a Wireless Deployment Plan, showing:

- Link diagram
- Sector coverage plan
- Locations of access points and subscriber modules
- Antenna types and orientations
- Pole height

f. Link planning must ensure adequate throughput for multi-camera video streams with redundancy for future expansion.

g. Supply, Installation & Mounting of Wireless Equipment

- i. The bidder shall supply all RF radios, antennas, PoE injectors, surge protectors, mounts, tools, brackets, cables, and accessories required for a complete functional system.
 - ii. Installation includes:
 - Mounting of Access Points (APs) on rooftops/poles
 - Mounting of Subscriber Modules (SMs) at camera or field device locations
 - Installation of antennas and alignment brackets
 - Laying and dressing of CAT6 with proper conduit/pipes outdoor-rated cables from radio to PoE/Switch/Centralized control room.
 - Installation of lightning arrestors and earthing/grounding as required
 - All equipment must be securely mounted to withstand local weather and wind loads.
 - The bidder shall ensure neat, labelled, and professional cable routing and termination.
 - iii. Alignment, Configuration & Optimization

All RF links shall be aligned using appropriate tools such as:

 - RSSI/SNR indicators
 - Real-time spectrum monitoring
 - Alignment software or apps

Configuration tasks include:

 - Assigning IP addresses and VLANs
 - Setting channel bandwidth, frequency, TDD synchronization, and modulation settings
 - Configuring QoS to prioritize CCTV video streams
 - Enabling encryption and security features
 - Integrating with Central Network Management System (NMS)

Optimization must ensure:

 - Maximum throughput
 - Integration of Wireless network with existing university LAN network/CCTV network.
 - Minimum jitter and packet loss
 - Stable and consistent latency suitable for real-time video applications
- h. High-Capacity PTP Backhaul**
- PTP radios capable of up-to 1 Gbps or higher throughput connecting buildings to CCR.
 - Hybrid RF–OFC Redundancy
 - RF network acts as a failover link for OFC and vice versa
- i. Testing, Validation & Documentation**
- i. After installation, the bidder shall perform end-to-end testing of each wireless link.
 - ii. Tests shall include:
 - Link throughput test (both directions)
 - Latency measurement
 - Packet loss test
 - Stability test for continuous streaming
 - Verification of correct antenna alignment
 - Verification of encryption and security settings

A detailed Testing Report shall be submitted containing:

 - Link parameters (RSSI, SNR, MCS, Throughput)
 - Spectrum snapshots
 - Link margin calculations
 - Latency and jitter reports
 - Screenshots/logs of successful configuration

Documentation delivered must include:

 - As-built diagrams
 - Final link design and results
 - Configuration backups
 - RF design deliverables: RF survey report, link budget, spectrum analysis and final heat-map/coverage plan for all outdoor links and camera clusters.
- j. Acceptance Criteria**
- The wireless backhaul system will be accepted only after fulfilling the following: All planned

wireless links must achieve:

- I. Stable connectivity with no packet loss > 1% during testing
- II. End-to-end latency ≤ 5 ms (typical operational range)
- III. Throughput sufficient for connected CCTV cameras with 20% headroom
- IV. Minimum modulation of MCS 6 or above under normal conditions
- V. CCTV video shall stream continuously without frame drops or freezes.
- VI. All equipment shall be fully integrated with VMS and the central network.
- VII. Power, grounding, and weatherproofing must comply with standards.
- VIII. All documentation must be verified and approved by the university.
- IX. A joint inspection with the University and bidder shall confirm:
 - X. Correct installation quality
 - XI. Compliance with specifications
 - XII. Completion of all deliverables
 - XIII. Successful implantation of the project.

7. VMS, STORAGE & CCR INTEGRATION (UP TO 1000 CAMERAS)

a. Enterprise VMS Setup

Clustered, highly available architecture supporting up to 1,000 cameras with:

- Multi-server deployment
- Video wall integration
- Role-based access
- Logging, auditing, alarms

b. Storage System

Must support:

- RAID 5/6 protection or superior
- Scalable disk expansions
- ≥ 30 days retention
- 1,000-camera future load capable

c. Integration Tasks

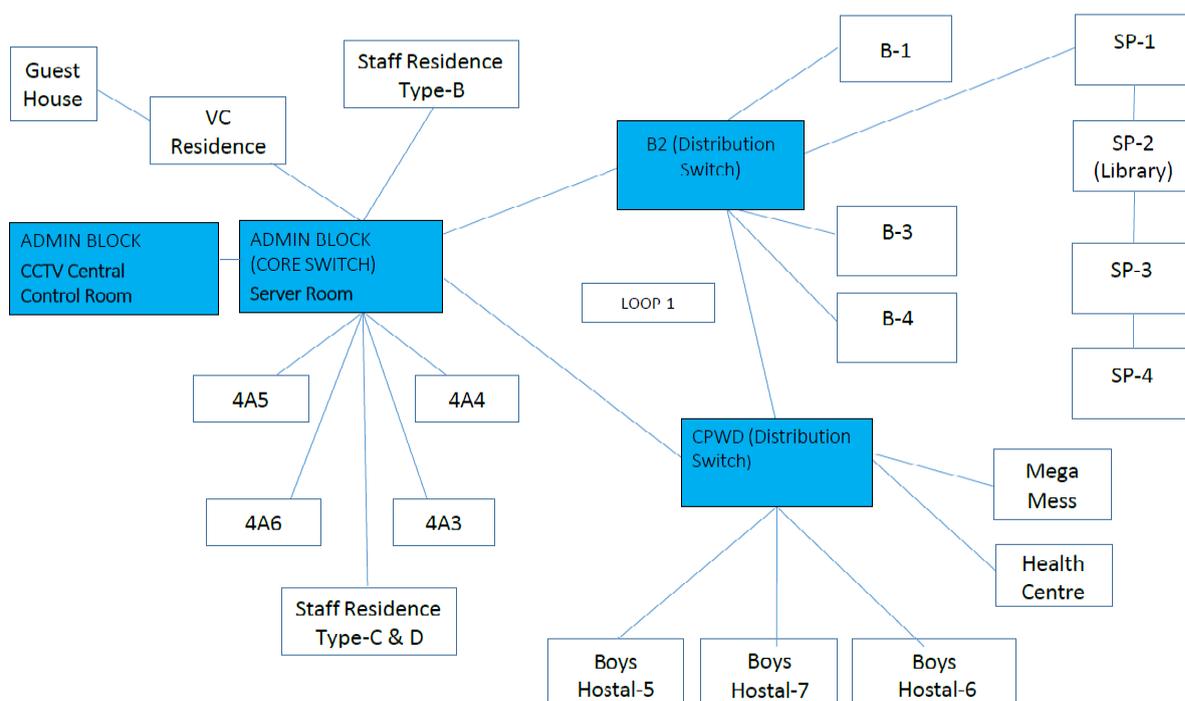
- Add 100+ new and 200+ existing cameras
- Separation of CCTV network from existing LAN network and integrate with single CCTV network including Wireless.
- Integrate analytics if any
- Set event rules and retention policy

d. Existing Infrastructure

i. Network Switches Make and Model and Campus Network Diagram

Make	Model
D-Link	DGS-3120-48PC Gigabit Ethernet Switch
Digisol 24 Gigabit Ethernet port	DG-GS 1528
SiS Sunny 24 Gigabit Ethernet Switch	SiS Sunny 24 MS-G
Access Switch Type 1	Brocade ICX7250-24P
D-Link	ES1024D
NETGEAR	ProSafe GS752TPP
Brocade Distribution switch	Brocade ICX7750-48F

FIBER NETWORK LAYOUT FOR CURAJI UNIVERSITY



ii. Camera Make and Model

Make	Model
4MP Dome - CP Plus	CP-UNC-DA41L38-D-LQ
4MP Bullet - Hikvision	DS-2CD1043G0-1
2MP Bullet - Honeywell	HICC-2600T
2MP Dome - Honeywell	HIDC-2300V
2MP Dome - Matrix	SATATYA MIDR20FL36CWS
5MP Bullet - Matrix	SATATYA CIBR50FL40CWS
2MP Bullet - Hikvision	DS-2CD1023G0E-I

iii. Approx. Quantity of IP & DVR Camera

IP Camera: 184 (Approx.)

DVR Camera: 16 (Approx.)

8. TESTING & COMMISSIONING

Testing includes:

- Day/night camera clarity
- PTMP link quality, latency, SNR
- PTP throughput and failover testing
- VMS recording/playback
- Power/earthing tests
- Full CCR monitoring validation

All results must be formally documented.

9. DOCUMENTATION & TRAINING

The bidder shall provide:

- As-built drawings
- RF link diagrams
- VMS and storage topology
- Configuration backups
- Bidder shall hand over all original software licenses, admin credentials, activation keys, warranty certificates, compliance certificates, manuals and any other related documents for the supplied hardware, software and systems to the purchaser at the time of installation/commissioning.

- Bidder must hand over all licenses, warranty certificates, WPC/BIS/ISO certificates, as-built drawings, RF plans, at final acceptance.
- User manuals for installed equipment
- User manuals
- Trainings for security staff & IT staff

10. WARRANTY & SUPPORT

- 3-year onsite comprehensive warranty and maintenance with adequate skilled resident engineer.
- Ensure all hardware/software must be with Next Business Day warranty with 24x7x365 support and maintenance by bidder/OEM. The warranty details should be verifiable on the OEM support website/Letter head/certificate.
- VMS software support and warranty should reflect in the support web site of the OEM.
- Quarterly preventive maintenance includes visits, cleaning and inspection of cameras/poles, RF alignment check, firmware update plan etc.

Additional Terms & Conditions (ATC)

1. The bidder shall mandatorily conduct a comprehensive site survey of the Central University of Rajasthan campus, at their own cost, prior to the pre-bid meeting to assess the feasibility of implementing the wireless CCTV surveillance system. All queries, including those related to the technical specifications, arising from this survey shall be raised and clarified only during the pre-bid meeting; no queries regarding this tender will be entertained thereafter.
2. Bidder should be responsible for the timely Supply of the Material as per specified specifications and accepted in bid.
3. Bidder should be responsible for End-to-End testing for entire work as specified in bid documents.
4. The bidder shall complete the implementation of the VMS-based wireless security and surveillance CCTV system with centralized monitoring within the stipulated timeframe. The bidder shall effectively utilize the existing infrastructure, including Honeywell, Hikvision, Matrix, CP Plus, and other OEM IP cameras, as well as the current network connectivity, to ensure a fully integrated solution.
5. The bidder shall configure, commission, and thoroughly test the complete VMS-based wireless security and surveillance CCTV setup to ensure its readiness for Go-Live. The bidder shall ensure that the entire system operates in accordance with the University's requirements, demonstrating full functionality and reliability before formal acceptance.
6. Centralized monitoring for a VMS-based wireless security and surveillance CCTV setup with existing IP cameras is indeed available and commonly implemented. Such systems allow integration of multiple cameras both wired and wireless into a single Video Management Software (VMS) interface or setup, enabling centralized viewing, control, and management on a single-window screen. This facilitates monitoring all cameras and network devices from one platform, regardless of camera locations or underlying connectivity methods, including wireless.
7. The bidder shall provide a comprehensive onsite warranty and support for a period of three (3) years for all types of IP cameras, network switch racks, and passive network connectivity components used in the existing network, along with all materials supplied and proposed solutions under this bid. This warranty shall cover maintenance, repair, and replacement services to ensure the proper functioning of the equipment throughout the warranty period.
8. The bidder shall be responsible for maintaining the implemented VMS-based IP CCTV Surveillance System in its original configuration and shall make every effort to ensure its proper functioning during the specified maintenance period. Replacement of any item or spare part shall be carried out only after obtaining prior written approval from the University.
9. Bidder should be responsible for Preventive Maintenance of implemented VMS based IP Wireless Security and Surveillance CCTV Setup quarterly basis other than corrective calls. Corrective Maintenance call will be attended within 24 working hours after reporting and will be resolved within 48 working hours including hardware/software failure related issues.
10. The bidder shall be responsible for responding to the University's requests for technical support and services within the timelines specified in the bid. The bidder shall also submit all required supporting documents, including call reports, service reports, and other relevant records for each support activity, as evidence of timely and effective service.
11. The supplier shall be responsible for providing hands-on training to all ICT technical staff and security section staff on the operation, management, maintenance, and troubleshooting of the live surveillance

- setup. The training shall be comprehensive enough to enable the staff to independently manage and maintain the system effectively a period of one week at the supplier's cost.
12. The bidder shall configure the network for the VMS-based CCTV setup in accordance with the University's requirements, ensuring that specific authorized users can securely access and view designated IP camera(s) on their mobile devices (iOS/Android) over the Internet. The configuration shall include necessary network settings, firewall rules, and mobile application setup to facilitate seamless remote access while maintaining system security.
 13. Bidder should be responsible for any other work related to integration, up-gradation, and replacement of camera and connectivity currently used in existing Wireless Security and Surveillance CCTV Setup installed at university to make CCTV surveillance system functional in single window screen.
 14. The bidder shall integrate approximately 200 existing CCTV cameras into the VMS platform as part of the proposed surveillance system. Additionally, the bidder shall perform comprehensive network diagnostics, including Penta scan and OTDR testing of the entire existing network infrastructure at Central University of Rajasthan, to ensure seamless integration and proper functioning of all existing CCTV cameras within the network.
 15. The CCTV solution shall be capable and scalable to integrate up to 1000 cameras, including both new and existing units. The storage system must support continuous recording for a minimum of 300 cameras initially, with server and storage infrastructure designed to be scalable to accommodate recording and storage for up to 1000 cameras on an as-required basis.
 16. The VMS software shall be supplied with a minimum of 300 camera licenses on a perpetual, lifetime basis. The software license must support expansion up to 1000 cameras without any limitation. Upgradation, updates, and patches to the VMS software shall be provided at no additional cost during the entire warranty and maintenance period. The Video Management System (VMS) software shall be capable of handling a minimum of 2 petabytes of CCTV recording data and shall support a scalable multi-server architecture with integration features of storage management and high-availability failover mechanism.
 17. The VMS server appliance shall be equipped with a high-end processor and sufficient hardware resources to support the full load of up to 1000 cameras. The solution must be capable of handling 1000 camera connections without requiring any additional or separate server hardware for this capacity.
 18. Any item or product required for the successful implementation and full functionality of the complete Wireless CCTV Surveillance System, but which is not explicitly included in this tender, shall be deemed to be within the scope of the bidder. The bidder shall supply and install such items at no extra cost to the University.
 19. During the implementation and maintenance periods of 3 years, the CCTV project, the bidder shall be solely responsible for providing all items and services required for the project's completion and operation including consumable and non-consumable items. No machinery or equipment outside the scope of the bid shall be provided by the University, and the bidder shall bear all associated costs.
 20. All civil and electrical work required for the successful installation and operation of the Wireless CCTV Surveillance System shall be the sole responsibility of the bidder. The bidder shall also bear the cost and supply of any materials, parts, or components necessary for such civil and electrical work as part of the project scope.
 21. The bidder shall provide onsite maintenance support for a period of three (3) years at Central University of Rajasthan. The bidder shall depute one highly skilled and trained manpower resource (resident engineer), to managing and maintaining the complete CCTV surveillance system. The deputed personnel must be fully capable of handling all aspects of operation, maintenance, and troubleshooting related to the implemented system.
 22. Payment for the deployment of resident engineer shall be made on quarterly basis after satisfactory services for the respective period and no advance payment shall be made. The payment will be made on submission of bills and proof of payment of wages. The payment shall be released within 30 days from the date of submission of complete and correct bills. The rate quoted by the bidder shall be inclusive of all statutory obligations and no escalation shall be admissible during the 03 years contract period.
 23. The bidder shall ensure proper tagging and labelling of all CCTV surveillance system equipment, including but not limited to cameras, RF wireless base station radios, RF wireless base station sector antennas, backhaul antenna, wireless CPE radios with integrated antennas, pole mount outdoor junction boxes, poles, UPS units, and any other related hardware. The tagging and labelling shall be clear, durable, and facilitate easy identification and maintenance.
 24. The bidder shall ensure the physical safety and security of all CCTV cameras, wireless radios, and related surveillance equipments to protect them from damage, tampering, or unauthorized access. The bidder shall take all necessary measures, including proper mounting, enclosures, and protective arrangements, to safeguard the equipment throughout the project duration.

25. The CCTV surveillance solution shall operate continuously, ensuring that all cameras remain live and fully functional 24 hours a day, 7 days a week, 365 days a year without fail throughout the entire maintenance period. The bidder shall be responsible for promptly addressing any system faults to maintain this uninterrupted operational availability.
26. Electricity power for the CCTV surveillance system may be drawn from the nearest available source within the University premises. However, the supply, installation, and maintenance of all power cables, switches, MCBs, circuits, UPS units, and any other related power backup equipment shall be the sole responsibility of the bidder.
27. The bidder shall ensure that route markers are provided and clearly placed for all electrical cables laid specifically for the CCTV surveillance system. This marking shall facilitate easy identification, maintenance, and troubleshooting of the cables throughout the system's lifecycle.
28. Release of payment to the bidder shall be subject to satisfactory inspection and verification by the university.
29. The bidder shall provide detailed documentation of all equipment proposed in the bid, including model numbers, datasheets and STQC (Standardization Testing and Quality Certification) certificate numbers wherever applicable. These documents shall be submitted along with the technical bid for evaluation.
30. The MAC address of each camera, antenna, server, storage device, workstation, switch, and other equipment shall be registered in the name of its respective manufacturing OEM.
31. The IP cameras supplied shall be plug-and-play and must support auto-discovery functionality within the Video Management Software (VMS), enabling seamless and efficient integration without manual configuration.
32. The bidder shall provide the University with comprehensive documentation upon successful implementation of project, including the CCTV surveillance project implementation plan, detailed layout drawings, camera placement plans, network connectivity diagrams, and any other relevant design and configuration documents.
33. The bidder shall be responsible for providing comprehensive onsite support for a period of three (3) years for the entire CCTV surveillance system implemented at Central University of Rajasthan (CURAJ). This support shall include maintenance, troubleshooting, repairs, and any necessary technical assistance to ensure continuous system functionality.
34. All other accessories, network equipment, switches, cables, connectors, SFP modules, and any other items required for the successful integration and implementation of the CCTV surveillance system shall be the sole responsibility of the bidder. No separate payment shall be made by the University for such items beyond the quoted bid.
35. The original equipment manufacturer (OEM) of the proposed cameras must be a member of the current ONVIF (Open Network Video Interface Forum) committee. Proof of valid membership shall be provided as part of the technical bid submission.
36. The original equipment manufacturers (OEMs) of major items such as CCTV cameras of all types, VMS software, servers, storage devices, switches, and other key components, including their sister concerns, group companies, or subsidiaries, shall not have been blacklisted or debarred in the last ten years by any Ministry under the Government of India, any State Government, or any Public Sector Undertaking (PSU). The bidder shall provide a declaration to this effect as part of the technical bid submission.
37. The OEM of the CCTV cameras and other major equipment should have an established support center located in India to ensure timely and effective after-sales service and technical support.
38. The OEM, bidder, and system integrator (SI) responsible for the CCTV system implementation shall provide a dedicated toll-free helpline number for technical support. Additionally, they shall submit a detailed escalation matrix to the University, outlining the levels of support personnel and contact details for resolving issues promptly.
39. The bidder shall be responsible for managing the wireless CCTV surveillance system as per the scope of work and tender document during the on-site comprehensive maintenance period of 3 years. No other cost or manpower will be provided by the University for the same.
40. Integration with existing campus LAN/wireless and creation of dedicated CCTV network wired and wireless. Integration of all existing CCTV cameras in VMS. All new and existing cameras must be display in single window.
41. The Bidder shall ensure provision of proper Earthing for all required equipment as part of the installation and commissioning work. This includes, but is not limited to, RF devices, networking equipment, communication interfaces, control panels, and any other associated hardware. All earthing works shall comply with relevant industry standards, safety regulations, and manufacturer recommendations to guarantee system reliability, personnel safety, and protection against electrical faults.

42. Bidder/Supplier shall provide all hardware, licenses, software, accessories, consumables, and cabling necessary for the proper and complete functioning of the system, even if any such items are not explicitly mentioned in the BoQ or Annexures.
43. Offered items must comply with the listed standards/certifications (ISO, RoHS, CE, FCC, BIS/others as applicable) and that makes/OEMs must be as per approved list or equivalent.
44. Bidders shall submit OEM datasheets, compliance statements (Annexure-wise), and OEM authorization letters for each quoted item, confirming that quoted model meets or exceeds the minimum specifications.
45. Bidder shall provide all software required for the complete integration, configuration, and implementation of the CCTV surveillance system.
46. Bidder shall configure and integrate all required servers for the CCTV network, including NTP and any other necessary services, for proper time synchronization and system operation. Bidder shall also integrate all supplied RF radios with the University's existing Network Management System (NMS) for centralized monitoring and management.
47. All cameras, RF radios, switches and servers shall support HTTPS, SSH, SNMPv3, secure NTP, strong password policy and role-based access control. Default passwords shall be changed at the time of commissioning and also share with the university.
48. All components (cameras, RF, VMS, storage, switches), including signed firmware, regular security patches from OEM, ability to disable unused services/ports, syslog/SIEM export.
49. All IP cameras and VMS shall be ONVIF compliant (at least Profiles S and T), with full support for live view, recording, PTZ, events and configuration from the VMS.
50. All PTZ presets, events and analytics alarms must be fully operable from the central VMS.
51. After successful installation and commissioning of the CCTV surveillance system, the bidder shall, at their own cost, arrange a comprehensive cyber security audit of the complete solution (including cameras, RF radios, servers, storage, VMS and network components) through a qualified security auditor, implement all critical and high-severity recommendations within the agreed timelines, and submit the final cyber security audit report and compliance certificate to the University.
52. Before carrying out any excavation or trenching work inside the University campus, the bidder shall obtain prior written permission and route approval from the University. The bidder shall provide and maintain proper route markers along the entire power cable route, including all bends, junctions and terminations. Any damage to existing utilities, services, roads, footpaths, landscaping or structures during excavation/trenching shall be entirely at the bidder's risk, and all restoration, repairs and associated costs shall be borne by the bidder.
53. Installation and commissioning of the CCTV surveillance system shall be treated as a turnkey project. After successful commissioning and final acceptance, the bidder shall be responsible for comprehensive on-site operation and maintenance of the complete system (including cameras, RF radios, poles, junction boxes, switches, servers, storage, VMS, licenses, cabling, and associated software etc.) for a period of three (3) years at no additional cost to the University. This comprehensive maintenance shall include all required manpower, including deployment of qualified sufficient resident engineer(s), and all spares, repairs and replacements during the maintenance period.
54. The bidder shall maintain minimum 99% uptime (monthly) for the overall CCTV surveillance system, including cameras, RF radios, switches, servers, storage, VMS and associated network components. Uptime shall be calculated excluding approved planned maintenance windows notified at least 48 hours in advance. Bidder shall ensure to keep additional/spare items during the maintenance period of 3 years.
55. Service Level Agreement (SLA)

i. Pre-implementation SLAs:

If the Successful bidder fails to complete the execution of works or any section by the time for completion, within the relevant time prescribed, then the Successful bidder shall pay liquidated damages to CURAJ at the rate of the 0.5 % of contract value for per week of delay or part thereof subject to maximum of 10% of the contract value. CURAJ may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Successful bidder. The payment or deduction of such damages shall not relieve the Successful bidder from his obligation to complete the Works, or from any other of his obligations and liabilities under the contract.

ii. Post-implementation SLAs

- a. In the event of failure of any of the sub-systems or components of the proposed solution, the bidder must ensure that defects are rectified within 24 hours, or the equipment is replaced with necessary configuration free of cost within 48 hours from the time it was reported.

- b. The bidder must maintain a suitable stock of necessary spare equipment during the contract period.
 - c. Collecting of faulty hardware from the site and provisioning the replacement hardware during the contract period (warranty) on the site shall be the responsibility of the bidder.
- iii. CURAJ reserves the right to invoke the Performance Bank Guarantee submitted by bidder in case: -
- a. Supplied equipment, hardware & software components fail to achieve the performance as stipulated in this document.
 - b. The bidder fails to provide satisfactory service in the scheduled time frame, during the contract period, as stipulated in this document.
- iv. Bidder must response within 02 hours after the lodge of Complaint.
- a. Priority 1 (critical) faults: complete outage of CCR/VMS, storage, server, RF backbone/network or more than 20% cameras down – response within 2 hours, resolution within 8 working hours.
 - b. Priority 2 (major) faults: failure affecting 5–20% cameras or important locations – response within 4 hours, resolution within 24 working hours.
 - c. Priority 3 (minor) faults: single camera or non-critical issue – response within 1 working day, resolution within 24 hours.
- v. Penalties can impose for delay in Fault resolution (inclusive of working, non-working days and holidays) as mentioned below:

Sl. No	Fault Resolution-SLA	Time allocated	Penalty (in % Percentage)
01	Call Resolution (in Case of non-hardware failure)	< 24 hrs.	0%
		>24 hrs. <48 hrs.	0.5% of the unit hardware/software cost
		>48 hrs. <72 hrs.	1% of the unit hardware/software cost
		>3 Days < 5 Days	2% of the unit hardware/software cost
		>5 Days < 7 Days	5% of the unit hardware/software cost
		>7 Days	10% of the unit hardware/software cost
02	Hardware repair/replacement	RMA= T	After the delivery of replacement of faulty product by OEM
		< T+48 hrs.	0%
		>T+48 hrs < T+72 hrs.	1% of the unit hardware/software cost
		> T+3 Days <T+ 5 Days	2% of the unit hardware/software cost
		>T+5 Days <T+7 Days	5% of the unit hardware/software cost
		> 7 Days	10 % of the unit hardware/software cost

- The maximum penalty shall not be more than 10% of the Contract value during the entire contract period.
- Penalties shall not be levied on the successful bidder in case of a Force Majeure event affecting the SLA which is beyond the control of the successful bidder.
- Penalty shall be imposed at the Rate Rs. 2000/- per day for non-availability of manpower/resident engineer.
- In case of any violation of tender terms, conditions, specifications, or contract obligation by the successful bidder/supplier, the university reserves the rights to :
 - Forfeit the Performance Bank Guarantee (PBG) in full
 - Blacklist/debarred the vendor in participating in future tenders.

- Terminate the contact and university reserves the rights to take appropriate action.
56. Downtime: During warranty period not more than 5% downtime will be permissible. For downtime exceeding penalty equivalent to 0.50% of the F.O.R. value of the equipment (Hardware/Software) for every week or part thereof may be imposed. Downtime will be counted from the date and time of the filing of complaints within the business hours of the tenderer.
 57. The University reserves the right, at its sole discretion, to extend the comprehensive maintenance / operation and maintenance (O&M) period beyond the initial three (3) years on the same terms and conditions, or on mutually agreed terms, and the bidder shall be bound to provide such extended maintenance services if so required by the University.
 58. The Central University of Rajasthan (CURAJ) reserves the right to conduct a Proof of Concept (PoC) demonstration of the proposed solution during the technical evaluation stage, if deemed necessary. The bidder shall agree to present and live-demonstrate the PoC as an integral part of the technical evaluation process for the quoted make and model, including verification of compatibility with the existing network infrastructure and IT systems of CURAJ. The schedule for the PoC demonstration shall be communicated to the prospective bidders at a later stage, if the PoC is to be conducted, and all costs associated with the PoC shall be borne by the bidder. The POC can be conducted at any stage of tender with prior notice to the bidder.
 59. The bidder shall ensure The cost of all electrical items such as including sockets, switches, cables, connectors, glands, lugs, MCBs, junction boxes, enclosures, termination kits, and any other required accessories as well as all works necessary to carry power from the source to the destination, including the provision and integration of UPS connections and laying of all required cables up to each CCTV connection point, shall be entirely within the scope of the bidder/supplier. The University will provide only the raw power tap point, and the bidder shall be responsible for all remaining work required making the entire CCTV system fully functional. Any faults arising during execution and any repair work required to rectify such faults shall also fall under the scope of the bidder.
 60. The bidder shall ensure that during the integration phase of existing CCTV network with the VMS, the data network and CCTV network remains fully operation without any disruption, interruption, or degradation in performance. Smooth streaming of CCTV traffic from all Cameras to the control room must be maintain at all time, with no slowness, latency, or packet loss experience by end user. The bidder shall provision of sufficient network throughput and bandwidth to support concurrent video feeds, any integration activities including firmware updates, IP configuration etc. shall be schedule during non-peak hours with prior notice to the ICT CELL.
 61. The bidder shall be responsible for designing a comprehensive CCTV network topology based on the proposed camera locations across the university campus. The design shall ensure optimal positioning of cameras for maximum field coverage and minimal blind spots.
 62. The quantity of cameras and associated equipment mentioned in the tender documents is indicative. The University reserves the right to increase or decrease the quantities at the time of execution of work depending upon actual site conditions and security requirements.
 63. The bidder shall carry out RF network planning, throughput calculation, and capacity assessment considering current requirements and future scalability. This planning activity must be completed to ensure that the proposed equipment and design are technically adequate for the University's requirements.
 64. The bidder shall design, configure, and demonstrate a hybrid RF/OFC failover mechanism to ensure uninterrupted video streaming during network outages or any kind of link-level interruption.
 65. The bidder shall implement a Structured CCTV Integration Plan to ensure a seamless transition and minimal downtime during commissioning or existing camera integration phases.
 66. The bidder shall agree to provide extended warranty and maintenance services beyond three (3) years as per the quoted rates in financial bid and negotiations by the university.
 67. Should you have any queries/ doubts, need to raise it only in pre-bid meeting. Any other mode of Communication in this regard, is not acceptable.
 68. The bidder shall not assign or sublet his contract or any part thereof to any other Agency.
 69. Bidder should have experience of at least 3 years in the field of Wireless/wired, Outdoor/Indoor CCTV Surveillance System/similar work in the field of Information Technology business. Joint ventures or consortium are not permitted. Bidder should provide relevant information in technical bid.

5. OTHER TERMS AND CONDITIONS OF THE TENDER

1. The tenderer shall certify that the rates being quoted are not higher than those quoted for any Govt. Deptt. or Institution or any organization during last one year. If during the last one year at any time the tenderer has quoted rates lower than those quoted against this tender, the University would be given the benefit of Lower rates by the tenderer. The relevant documents should be enclosed with technical bid.
2. The duly constituted committee appointed by the competent authority of Central University of Rajasthan, Bandarsindri, reserves the right to select some items (in single or multiple units) and reject the others or all items mentioned in the Schedule. The same committee will also reserve the right to revise or alter the specifications before acceptance of any tender with prior notice on the University website and Central Public Procurement Portal (CPPP).
3. Incomplete bid, amendments and additions to bid after opening are liable to be ignored and rejected.
4. The Bid shall be treated as a 2 Bid System. The Technical Bid will be considered for evaluation of those bidders who's Tender Fee, (if applicable) and Earnest Money Deposit (EMD) is found in order. Financial Bid shall be opened for those bidders who have qualified in Technical Evaluation.
5. Changes/Amendment: At any time prior to the deadline for submission of tender, the University may amend the tender documents issuing addendum/corrigendum. The University shall have the right at any time, by written notice, in the form of an amendment order, to make any changes, if deems necessary, including, but not limited to, changes in specifications, design, delivery, testing methods, packing or destination. If any such required changes cause an increase or decrease in the cost of or the time required for performance, an equitable adjustment shall be made in the contract price or delivery schedule, or both. Any claim by the Vendor for adjustment under this clause shall be deemed waived unless asserted in writing within ten (10) days receipt from the Vendor. Notice of change (amendment order). Price increase, extension of time for delivery and change in quantity shall not be binding on the University unless sufficiently justified by vendor and accepted by the university in a form of amendment/ modified Order issued and signed by the University.
6. Bid Validity- Bids should be valid for a period of 180 days from the date of opening of Technical bid.
7. Withdrawal of bids: No bidder will be allowed to withdraw its bid in the interval between the deadline of submission of bids and expiration of period of bid validity. Withdrawal of bid during this period will result in forfeiture of the bidder's bid security (EMD) and other sanctions.
8. OEM/Channel Partner/Authorized Dealer/agents of Supplier: when a firm sends quotation for an item manufactured by some different company, the firm is also required to attach, (in its bid,) the manufacturer's authorization certificate and also manufacturer's confirmation of extending the required warranty for that product. In cases where the manufacturer has itself submitted the bid, the bids of its authorized dealer will not be considered and EMD will be returned.
9. Agency Commission: The amount of Agency Commission, in case of manufacturer/supplier is from the foreign country (normally not exceeding five percent) payable to the Indian Agent should not be more than what is specified in the Agency agreement (a certified copy should be submitted along with the bid) between the bidder and the Indian Agent. The Indian Agent will be required to submit a certificate along with their Agency Commission bill, confirming that the amount claimed as Agency Commission in the bill has been spent/will be spent, strictly to render services to the foreign Principal, in terms of the Agency Agreement. The Purchaser or their authorized agencies and/or any other authority of the Government of India shall have rights to examine the books of the Indian Agent and defects or misrepresentations in respect of the afore indicated confirmation coming to light during such examinations will make the foreign Principal (i.e. the Contractor) and their Indian Agent liable to be banned/ suspended from having business dealings with the Purchaser, following laid down procedures for such banning/suspension of business dealings.
10. Conflict of Interest among Bidders/Agent: The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:
 - a. they have controlling partner (s) in common; or
 - b. they receive or have received any direct or indirect subsidy/financial stake from any of them; or
 - c. they have the same legal representative/agent for purposes of this bid; or

- d. they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or
 - e. Bidders are not allowed to participate in more than one bid in this bidding process. Participation by a bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/sub-assembly/assemblies from one bidding manufacturer in more than one bid.
 - f. In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:
 - I. The principal manufacturer directly or through one Indian agent on his behalf; and
 - II. Indian/foreign agent on behalf of only one principal.
 - g. a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
 - h. in case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/common business/ management units in same/similar line of business.
- 11. Bid Security (EMD):** Bid Security should remain valid for a period of 45 (Forty Five) days beyond the final bid validity period. The Bid Security can be submitted in the form of an Account Payee Demand Draft/Fixed deposit receipt/Banker's Cheque Bank Guarantee from any of the Commercial Banks/payment online in an acceptable form in favor of "Registrar, Central University of Rajasthan" payable at Kishangarh/ Bandarsindri. The MSEs are provided tender documents free of cost and are exempted from payment of earnest money subject to furnishing of relevant valid certificate for claiming exemption. **Only Manufacturer for goods and Service Provider for services are eligible for exemption from EMD, traders are excluded from this exemption.** A bidder's Bid Security will be forfeited if the bidder withdraws or amends its/his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required Performance Security within the specified period. Bid securities of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity period and latest by the 30th day after the award of the contract. Bid Security will be refunded to the successful bidder on receipt of a performance security.
- 12. MSE Bidders;** if Micro and Small Enterprises (MSE) participating in tender & quoting price within price band of L1+15 (fifteen) per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply up to 20 (twenty) per cent of total tendered value. The 20 (twenty) per cent quantity is to be distributed proportionately among these bidders, in case there are more than one MSMEs within such price band. Within this 25% (Twenty Percent) quantity, a purchase preference of four per cent (that is, 25 (twenty) per cent out of 25 (twenty) per cent) is reserved for MSEs owned by Scheduled Caste (SC)/Scheduled Tribe (ST) entrepreneurs (if they participate in the tender process and match the L1 price). Provided that, in event of failure of such SC/ST MSE to participate in tender process or meet tender requirements and L1 price, four per cent sub-target shall be met from other MSE. MSEs would be treated as owned by SC/ ST entrepreneurs:
- a) In case of proprietary MSE, proprietor(s) shall be SC /ST
 - b) In case of partnership MSE, the SC/ST partners shall be holding at least 51% (fifty-one percent) shares in the unit
 - c) In case of Private Limited Companies, at least 51% (fifty-one percent) share shall be held by SC/ST promoters.
- 13. Public Procurement (Preference to Make in India), Order 2017**
As per Public Procurement (Preference to Make in India), revised Order 2017 the 'Class-I local supplier' will get preference over non local suppliers', as defined under the Order,
- I. Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined under this Order.

- II. Local content' means the amount of value added in India which shall, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- III. Purchase Preference: Purchase preference shall be given to 'Class-I local supplier' in procurements in the manner specified here under.
- a) If L1 bidder is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1 bidder. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly.
- b) In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- c) In the procurements of goods or works, which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
- I. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
- II. If L1 bidder is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
- III. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price; the contract may be awarded to the L1 bidder.
- d) "Class-II local supplier" will not get purchase preference in any procurement undertaken by procuring entities.
- e) Margin of Purchase Preference: The margin of purchase preference shall be 20%.
- f) Exemption of small purchases: procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order.
- g) Verification of local content:
- a) The 'Class-I local supplier' / 'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier' / 'Class-II local supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- b) In cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier' / 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c) False declarations will be in breach of the Code of Integrity under Rule 175 (1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

d) A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment.

14. Restrictions for bidders from countries sharing land border in India

- i. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
- ii. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint Venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- iii. "Bidder from a country which shares a land border with India" for the purpose of this Order means.
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country: or
 - d. An entity whose *beneficial/ owner* is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

iv. The *beneficial owner* for the purpose of (iii) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation—

- a) "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
- b) "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

v. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

Model Certificate for Tenders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India,' I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

- 15. Performance Security:** On receipt of notification of award from the University, the successful Bidder within 14 days shall furnish the performance security at 5% of the cost of the material ordered in the form of Account Payee Demand Draft/Fixed deposit receipt/Banker's Cheque/ Bank Guarantee from a Commercial Bank, in favor of "Registrar, Central University of Rajasthan". Performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligation of the supplier, including warranty obligations. The Performance Security will be forfeited and credited to the University account in the event of a breach of contract by the contractor. It will be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60(sixty) days of completion of all such obligations including the warranty under the contract. Failure of the successful bidder to submit the performance security shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the University may make the award to the next lowest evaluated bidder on same rate or call for new bids.
- 16. Prices and Taxes:** Prices quoted should be firm and shall remain firm until required deliveries have been completed unless otherwise expressly agreed to, in writing by both parties. The vendor agrees that any price reduction made with respect to Material covered by this order subsequent to placement will be applied to the order.
- I. Elements of Price: Where the price has several components such as the price of the goods, cost of installation and commissioning, operators' training, and so on, bidders should furnish a cost break-up indicating the applicable prices and taxes for each of such components along with the overall price.
- II. Currency: Domestic tenderers are to quote and accept their payment in Indian currency; Indian agents of foreign suppliers are to receive their agency commission in Indian currency; costs of imported goods, which are directly imported against the contract, may be quoted in foreign currency (currencies) and will be paid accordingly in that currency; and the portion of the allied work and services, which are to be undertaken in India (like installation and commissioning of equipment are to be quoted and paid in Indian currency.
- Prices should be FOR –Central University of Rajasthan and for imported equipment supplier will be responsible for custom clearance and forwarding the same up to university campus. Custom Duty will be reimbursed on actual basis, after submission of the evidence in original. All prices specified herein include all charges for, but not limited to, inspection, and packaging. Prices set forth shall be inclusive of applicable taxes until and unless specified in the schedule. University is having GST Notification no. 45/2017-Central Tax (Rate) dated 14-11-2017 & Notification No. 47/2017-Integrated Tax (Rate) dated 14-11-2017 for availing concision. This University is also registered with DSIR vide TU/V/RG-CDE(1115)/2018 dated 12-10-2018 for availing concessional Custom Duty. However, rate should be quoted as per latest applicability of above notifications/certificates.
- 17. Price Fall Clause:-** If at any time prior to delivery of the stores, the bidder/supplier reduces the sale price of such equipment stores as covered under this tender enquiry, to any organization (including Central/State/Deemed university) at price lower than the price quoted under this contract, he shall forthwith reduce the price payable under this tender for the equipment stores being supplied after the date of coming into force of such reduction, the price of equipment stores shall stand corresponding reduced.
- 18. Terms of Payment:**
- a. Terms of payments for Domestic Goods: 50% of the total payment shall be released on submission of proof of delivery of complete equipment stores (stores/consignee receipt), inspection report and on certification of satisfactory installation of the equipment at the consignee's premises and after "ensuring verification of the Performance Security". 30% of the total payment shall be released upon successful installation, commissioning, testing and balance 20% upon after test run of the equipment at least for a month and after ensuring that already furnished Performance Security is valid for a period of 60 days beyond the date of completion of all contractual obligations of the bidder / supplier including comprehensive maintenance warranty obligations.
- b. Documents for Payments of Domestic Goods:

- i. Supplier's Invoice indicating, inter alia description and specification of the goods, quantity, unit price, total value;
 - ii. Packing list;
 - iii. Insurance certificate, if applicable;
 - iv. Railway receipt/consignment note;
 - v. Manufacturer's guarantee/warranty certificate;
 - vi. Inspection and installation certificate duly signed by the service engineer and university official; and
 - vii. Any other document(s) as and if required in terms of the contract.
 - viii. Copy of cancelled cheque/NEFT detail for making online payment.
- c. Terms of payments for Imported Goods:
- I. An irrevocable letter of credit (L/C) for 100% of the value of the imported equipment stores (excluding the value of the Indigenous / Indian equipment) stores, if any shall be established on submission of the acknowledgement of the order by the successful bidder stating the country of origin and port of shipment, submission of Performance Security @ 5% of the Purchase Order value, four copies of the Performa invoice and confirmed Letter of Credit (LC) opening details.
- It shall be the responsibility of the bidder to ensure that all the requisite documents are provided to the purchaser including the Performance Security in original for appropriate denomination and period on priority basis, so as to ensure opening of LC on time.
- Out of this, 80% of the value of the imported equipment /stores will be paid against inspection certificate (where applicable) and shipping documents to the Principal through L/C. Balance 20% will be released within 30 days after due certification by the Purchaser/Institute for successful commissioning of the equipment at the premises and also, after ensuring that the furnished Performance Security is valid for a period of 60 days beyond the date of completion of all contractual obligations of the bidder/supplier including comprehensive warranty obligations.

OR

- II. 100% via wire transfer or foreign DD after successful commissioning of the equipment at the premises and also, after ensuring that the furnished Performance Security is valid for a period of 60 days beyond the date of completion of all contractual obligations of the bidder/supplier including comprehensive maintenance warranty obligations.
- d. Documents for Payments of Imported Goods: Documents, which the supplier is to furnish while claiming payment, are specified in the Letter of Credit, but usually are:
- i. Supplier's original invoice giving full details of the goods including quantity, value, and so on;
 - ii. Packing list;
 - iii. Certificate of country of origin of the goods to be given by the seller or a recognized chamber of commerce or another agency designated by the local Government for this purpose;
 - iv. Manufacturer's test certificate and guarantee;
 - v. Certificate of insurance;
 - vi. Bill of lading/airway bill/rail receipt or any other dispatch document, issued by a Government agency (like the Department of Posts) or an agency duly authorized by the concerned Ministry/Department, indicating:
 - a) Name of the vessel/carrier;
 - b) Bill of lading/airway bill;
 - c) Port of loading;
 - d) Date of shipment;

e) Port of discharge and expected date of arrival of goods; and any other document(s) as and if required in terms of the contract.

19. Insurance: Wherever necessary, the goods supplied under the contract, shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the contract. If considered necessary, insurance may cover "all risks" including war risks and strike clauses. The amount to be covered under insurance should be sufficient to take care of the overall expenditure to be incurred by the Procuring Entity for receiving the goods at the destination. Where delivery of imported goods is required by the purchaser on CIF/CIP basis, the supplier shall arrange and pay for marine/air insurance, making the purchaser beneficiary. Where delivery is on FOB/FAS basis, marine/air insurance shall be the responsibility of the purchaser.
20. E-Payments: Bidders are required to enclose photocopy of cheque & NEFT Bank Details with tender /quotation to enable purchaser to making payment through on line transfer.
21. Deduction of Income Tax, Service Tax and so on, at source from payment to suppliers: This will be done as per existing law in force during the currency of the contract.
22. Refund from Supplier: If the supplier, after claiming and receiving reimbursements for GST, excise duty, custom duty, and so on, from the purchaser, applies to the concerned authorities for refunds, on genuine grounds, of certain portions of such duties and taxes paid by it and receives the allowable refunds. Such refunds contain the purchaser's share also (out of the payments already made by the purchaser to that supplier) should be refunded to the University.
23. Delivery Period: The equipment should be delivered to Central University of Rajasthan and within a time period of 6 months from the date of LC opening and complete installation within 30 days after date of arrival. If, some accessories/items are quoted on indigenous based in case of imported equipment, the supplier are allowed to supply all the items within validity period of supply of imported equipment. In case of indigenous purchase, supply should be made within 45 days & installation be completed within next 30 days. If any material is not delivered by the date specified therein, the University reserves the right, without liability, to cancel the order for undelivered material not yet shipped or tendered, and to purchase the same from another vendor and to charge the defaulting Vendor for any loss incurred in this transaction. Any provisions thereof for delivery by installment shall not be construed as obligatory unless agreed upon by both the parties. The University shall have the right to refuse deliveries made more than one week in advance of any delivery schedule appearing in the order unless arrangements for such early delivery have been confirmed with the receiving party.
If the vendor is unable to complete performance at the time specified for delivery, by reason of strikes, labour disputes, riot, war, fire or other causes beyond the Vendor's reasonable control, the university at its option, may elect to take delivery of material and to pay such proportion of the contract price as deemed reasonable by the university.
24. Rescheduling: The University may without liability at least seven days prior to the scheduled delivery date appearing on the order, defer delivery on any or every item under said order by giving oral notice to the Vendor (confirmed in writing within seven working days) of any necessary rescheduling.
25. Shipping, Packaging and Labeling: All Material purchased hereunder must be packed and packaged to ensure its safe delivery in accordance with good commercial practices and where incorporated, the University's packaging specification. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit, including the final destination. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in the contract and in any subsequent instructions ordered by the Purchaser. It is the sole responsibility of the vendor to provide/replace the item/goods, if it is lost or broken during the

shipping or transportation due to whatever may be the reason. Vendor is responsible to ensure, by contacting the University, that the shipping has been properly done i.e., all the items/goods have properly reached the University.

26. Inspection and Acceptance: Material procured from vendor shall be inspected and tested by the University or its designee at vendors cost. If deemed necessary by the University, the Vendor shall provide without charge, all reasonable facilities and assistance for such inspection and test. Any inspection records relating to Material covered by this agreement shall be made available to the University during the performance of the order.
- a. If any Material covered by this agreement is defective or otherwise not conforming to the requirements of this agreement, the University may, by written notice to the Vendor:
 - i. rescind the purchase/supply order as to such non-conforming Material;
 - ii. accept such material at an equitable reduction in price;
 - iii. reject such non-conforming material and require the delivery of suitable replacements
 - b. If the vendor fails to deliver suitable replacements promptly, the university, with notice of seven business days, may replace or correct such material and charge the vendor the additional cost occasioned thereby, or terminate this order for default.
 - c. No inspection (including source inspection) test, approval (including design approval) or acceptance of material shall relieve the Vendor from responsibility for defects or other failures to meet the requirements of this order. Rights granted to the University in this article entitled INSPECTION is in addition to any other rights or remedies provided elsewhere in this order or in Law.
27. Invoicing / Payments / Set-Offs: After completion of supply against the purchase order, the Vendor shall send duplicate invoices including item number to the University's concern Department. Payment of invoice shall not constitute acceptance of Material ordered and shall be subject to appropriate adjustment, if the Vendor failed to meet the requirements of this agreement. The University shall have right at any time to set-off any amounts due to the Vendor, (or any of its associated or affiliated companies) against any amounts owed by the University with respect to this agreement.
28. Selection of the Bidder: For the purpose of selection of the bidder, a two-stage bidding process will be followed. The response to the tender should be submitted in two parts viz. Technical Bid & Commercial Bid.
- a. Technical Bid: Technical bid should contain information regarding the company/firm registration details, Authorization letter, Clientele list (List of Users), Performance certificate from clients, self-declaration for not black listed, business turnover, experience and other details of the firm to judge the suitability of the bidder. *The Bidder should attach supporting documents in sequence with proper page numbers and indexes.* Bidder must ensure the following conditions while going for the bidding:
 - I. SPECIFICATIONS: Specifications are basic essence of the product/contract. It must be ensured that the offers must be strictly as per our specifications mentioned at Annexure-A at technical specification section. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /supported by the printed technical leaflet/literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation.
 - II. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.
 - III. OEM should be internationally/Nationally reputed Branded Company.
 - IV. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.
 - V. A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the University.

Vendors must indicate their sales and support service center in India and their plan to address issues about services, maintaining minimum service inventory etc.

- VI. Signed & Stamped compliance sheet of the technical specification of the offered equipment with technical printed literature must be enclosed with the technical bid in the prescribed format.
 - VII. Clientele list (List of the institutes/organizations, where the similar order has been executed during the last three years) and work done list. Supporting documents (couple of orders without any alteration/modification, copies of installation report and performance certificate) must be enclosed. Past Performance of the Vendors will be judged at the time of Technical Evaluation.
 - VIII. Average Annual turnover of the bidder, for the last three successive years should be four times of the approximate cost of the equipment duly certified by the Chartered Accountants.
 - IX. Self-attested photocopy of annual turnover, IT clearance Certificate, Audited Balance Sheet, etc. for last three years.
 - X. The bidder/OEM self-declaration stating that he/she is not banned/debarred or black listed by any Central/State Govt. of India/PSU/Organizations/Institutes in India or abroad in prescribed format.
 - XI. DD for Tender Fee & EMD amount as applicable.
 - XII. University reserves the right to carry out a technical inspection and performance evaluation (benchmarking) of the offers, made by shortlisted vendors. The shortlisted vendors may be asked to come and give out presentation / demonstration.
- b. Short listing of Bidder: University will shortlist bidders, who found technically qualifying and the financial bid of only these bidders will be opened. University reserves the right to decide whether the items being quoted are as per the requirement of the University and are of standard/leading brands in the market. University reserves the right to decide which offer best suits the requirement of the University. Further, after opening financial bids of the short listed bidders, if there is a discrepancy between word and figure, the amount indicated in words will prevail.
 - c. Price Bid/ Financial Bid: Financial bid should contain price of the material required to be supplied as per Price Schedule *Annexure-B* as supplied by the University along with tender form, duly filled and signed by the authorized person.

Note: Cost of CMC for 4th to 6th year will also be considered for evaluation of total cost/price of the equipment for deciding the lowest responsive bidder.

However, payment of CMC cost will be released after entering in to CMC agreement & after successful expiry of warranty period. Payment will be released on half yearly installment, as per GFR-2017.

Further, payment towards AMC charges will also be released as per provision of GFR 2017 & after entering in to AMC agreement.

29. Installation and Commissioning: Free of cost at University. The OEM must ensure timely installation of the complete unit with necessary support to the purchasers, as per details and lists to be made available to the Stores Section or the purchasing Departments/Centre/Schools.
30. Conditional Offer will not be accepted.
31. Rejection of Bids:
 - a. If bidders give wrong information in their bid, University reserves the right to reject such bids at any stage and forfeit the Earnest Money Deposit / Performance Bank Guarantee and cancel the order, if awarded.
 - b. If the technical offer contains any price information the offer will be summarily rejected.
 - c. Canvassing in any form in connection with the tender is strictly prohibited and the bids submitted by the bidder who resort to canvassing are liable for rejection.
 - d. Unsigned tenders/bids, unattested corrections and over writing by bidders are also liable for rejection.
 - e. Bids submitted without supporting documents as mentioned or required to submit with bids are liable to be rejected.
 - f. The Tenderers must confirm in their bid acceptance in full of the terms and conditions in this enquiry. Any non-acceptance or deviations from the terms and conditions must be clearly brought out. However, tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this enquiry may render /liable the Quotation for rejection.
32. Liquidated damages for delayed supply: If vendor fails to deliver any of or all products or does not perform the services within the period specified in the contract, the University reserves the right to,

without prejudice to its other remedies under the contract, deduct from the bill, a sum equivalent to 1% of the price of undelivered stores at the agreed price for each week to maximum limit of 10% of the value of stores so undelivered. Once maximum is reached, the University may consider termination of contract.

- 33. Assignment / Subcontracting /sublet:** The Vendor shall not assign the order received, any rights under this agreement or to become due hereunder neither delegated nor subcontracted /sublet any obligations or work hereunder without the prior written consent of the University.
- 34. Cancellations of tender:** The University reserves Right to Accept any Bid and to Reject any Or all Bids: The Purchaser also reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.

The University may cancel agreement entered with vendor in whole or in part, for no cause, upon written, FAX, or telex notice to the Vendor, effective when sent, provided such notice is sent ten (10) days prior to the delivery date, specified on the face of this order, in the event that the vendor:

- a. fails to comply with any term or condition of this order including, but not limited to, delivery terms; or
- b. appoints a receiver, liquidator or trustee in bankruptcy or other similar officer over any or all of its property or assets; or
- c. files a voluntary petition in bankruptcy; or
- d. has had filed against it an involuntary petition in bankruptcy which remains in effect for thirty (30) days; or
- e. voluntarily ceases trading; or
- f. merges with or is acquired by a third party; or
- g. Assigns any of its rights or obligations under the Order to a third party without the University's prior written consent.

Upon the occasion of any one of the aforesaid and in addition to any remedies which the University may have in Law or in Equity, the University may also cancel this order or any outstanding deliveries hereunder by notifying the Vendor in writing of such cancellation and the Vendor shall thereupon transfer title and deliver to the University such work in progress or completed material as may be requested by the University. The University shall have no liability to the Vendor beyond payment of any balance owing for Material purchased hereunder and delivered to and accepted by the University prior to the Vendor's receipt of the notice of termination, and for work in progress requested for delivery to the University.

35. Warranty:-

- a. Three year comprehensive onsite warranty & as mentioned in the technical specification section with the statement of availability of spares, Hardware, Consumables, Electronic Boards etc. for at least 10 years from the date of the installation of equipment, against any manufacturing defects and also give the warranty declaration that everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship, transportation hazards, and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specifications. During the warranty period, replacement of any part of equipment or rectification of defects of works will be free of cost.
- b. Any deviation in the material and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost. The payments shall be made only after receiving the material in the required specifications and quality to the satisfaction of the University authorities.

- c. Downtime: During warranty period not more than 5% downtime will be permissible. For downtime exceeding penalty equivalent to 0.50% of the F.O.R. value of the equipment for every week or part thereof may be imposed. Downtime will be counted from the date and time of the filing of complaints within the business hours of the tenderer.
 - d. The Vendor shall warrants that any Material supplied hereunder shall conform to the generally recognized manufacturing and safety standards of the Vendor's industry or as per Indian Standard Institution (ISI) or similar standard. The Vendor's specifications on performance as detailed in the Vendor's brochures, sales literature and other specifications as may be available to the University.
 - e. Vendor should provide insurance up to the delivery point (on-site and not up to the nearest international airport) and until the time of installation.
 - f. Vendor shall provide at least two preventive maintenance service per year during the warranty period.
 - g. In addition to any other express or implied warranties, the Vendor warrants that the material furnished pursuant to this order will be
 - (i) Free from defects in design except to the extent that such items comply with detailed designs provided by the University; of merchantable quality and suitable for the purposes, if any, which are stated in the tender/quotation.
 - (ii) This warranty provision shall survive any inspection, delivery, acceptance, payment, expiration or earlier termination of this order and such warranties shall be extended to the employees, students, and users of the material. Nothing herein, however, shall limit the University's rights in law or equity for damages resulting from delivery of defective goods or damage caused during the delivery of goods or provision of services.
 - (iii) Rights granted to the University in this article entitled WARRANTIES are in addition to any other rights or remedies provided elsewhere in this order or in Law.
- 36. Consumables/spares:** All hardware & software including drivers, device interface cards/network adaptor card must be pre-installed & pre-configured in the computer /equipment provided. Licensed version of system software should be provided in CD (with up-gradable version). if such system is also a part of supply.
- Manual - Hard copies of instruction/operation/service manuals should be supplied. List of important Consumable/ Spares and parts having sufficient shelf life for trouble free operation of three years should also be provided.
- 37. Training/installation:** Installation testing: suppliers of the instrument must provide free installation, commissioning and testing of the equipment in the laboratory of the Central University of Rajasthan & training is to be provided as mentioned in technical specifications section.
 - 38. Patent Indemnity:** The Vendor shall have to indemnify, hold harmless and defend the University, its employees, and students with respect to all claims, suits, actions and proceedings of actual or alleged infringements of any Letter, Patent, Registered or Industrial Design, Trademark or Trade Name, Trade Secret, Copyright or other protected right in any country resulting from any sale, use or manufacture of any Material delivered hereunder and to pay and discharge all judgments, decrees, and awards rendered therein or by reason thereof and bear all expenses and legal fees (including the University's) associated herewith. The University reserves the right to be represented in any such action by its own counsel at its own expense.
 - 39. Compliance with Laws:** After acceptance of tender, successful bidder shall have to comply with the requirements of all the existing laws. The Vendor shall also have to comply with the Fair Labour Standards Act and the Occupational Safety and Health Act, and all other applicable laws, ordinances, regulations and codes in the Vendor's performance hereunder. The Vendor will have to indemnify and hold the University and its customers harmless from any loss or damage that may be sustained by the University, by reason of the Vendor's failure to comply with any laws, ordinance, regulations and codes.
 - 40. Law of the Contract:** The agreement entered with vendor shall be governed by and interpreted in accordance with the laws in existence and the Jurisdiction of Rajasthan.

41. Site preparation: The supplier shall inform the University about the site preparation, if any, needed for installation, immediately after receipt of the supply order. Suppliers must provide complete details regarding space and all infrastructural requirements needed for the equipment which University should arrange before the arrival of equipment to ensure its early installation and smooth operation thereafter. The supplier may offer his advice and render assistance to University in the preparation of the site and other pre- installation requirements.
42. One-time shifting and re-installation: Instrument may need shifting and reinstallation. If needed one-time shifting and re-installation is to be done free of cost.
43. The OEM (Original Equipment Manufacturer) should be an ISO-9000 or ISO-14001 certified company with due credits to energy conservation and green earth compliance. While the above procedures lay down the overall guidelines, Central University of Rajasthan reserves the right to select the vendor based on other parameters, at its discretion.
44. Delivery and Opening of Tender: All tender documents should be sent through courier, speed post, registered post or by person. Telegraphic / fax offer will not be considered and ignored straightway. All tender documents received after the specified date and time shall not be considered. The completed tender should be delivered at the Inward Section of the Administrative building of the Central University of Rajasthan, Bandarsindri, Ajmer, Rajasthan-305817.
The Technical Bid will be opened on 03..01.2026

I/We have read all the enclosed Terms and Conditions carefully and ready to accept and according to that I/We are submitting herewith the tender.

Seal & Signature of Vendor

6. TECHNICAL SPECIFICATIONS SECTION

Technical Specifications: The tenderer shall meet the respective minimum technical specifications for the item that is being bid for. Any additional features or specifications in excess of these minimum specifications will be appreciated. A set of desired additional features are mentioned along with the minimum technical specifications, wherever appropriate.

I / We the undersigned am / are ready to supply & install the following instruments along with all other accessories complete as mentioned below with accepting the terms and conditions which are enclosed with this order form and quote for the same

The technical specifications for the Instrument are being placed under this tender have been detailed in the "Annexure A". This will also include all the components of the particular instrument / equipment that are being tendered for.

S. No.	Instrument/Equipment
1.	Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan

CENTRAL UNIVERSITY OF RAJASTHAN

Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Central Control Room with 3 Years Comprehensive On-site Maintenance Contract at Central University of Rajasthan

7. TECHNICAL SPECIFICATIONS

Technical Specifications: The tenderer shall meet the respective minimum technical specifications for the item that is being bid for. Any additional features or specifications in excess of these minimum specifications will be appreciated. A set of desired additional features are mentioned along with the minimum technical specifications, wherever appropriate.

I / We the undersigned am / are ready to supply & install the following items along with all other accessories complete as mentioned below with accepting the terms and conditions which are enclosed with this order form and quote for the same

The technical specifications for Supply, Installation, Testing and Commissioning (SITC) of the item are being placed under this tender have been detailed in the “**Annexure A**”. This will also include all the components of the particular item that is being tendered for.

S. No	Item Description	Unit	Qty
1.	SITC of 5MP or Higher Outdoor Motorised lens Bullet Camera with mounting fixture on outdoor 6 Mtr poles or higher, including 512GB Class-10 SD Card. (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.	Nos.	99
2.	SITC of 4MP or Higher Outdoor PTZ camera with mounting fixture 6 Mtr or higher poles, including minimum 256GB Class-10, SD Card (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.	Nos.	4
3.	SITC of Unified VMS Software solution with perpetual (Lifetime) licenses with Failover function, scalable up to a thousand cameras, including 5 or higher client viewing licenses, with 3 years onsite comprehensive warranty and maintenance support.	Set	1
4.	SITC of VMS software Camera perpetual (Lifetime) License for 300 Cameras with 3 years onsite comprehensive warranty and maintenance support.	Nos.	300
5.	SITC of VMS software, Desktop/Mobile Client perpetual (Lifetime) license with built-in Camera function, Mobile camera should be live view & Recording on VMS in the Main control room with 3 years onsite comprehensive warranty and maintenance support.	Nos.	10
6.	SITC of Video Management server with Failover for Up to 1000 cameras with edge video Analytics applications Processing functions with 3 years onsite comprehensive warranty and maintenance support.	Set	2
7.	SITC of Dual Controller Video Storage Server Appliance for 30 days of recording with a minimum of 480TB raw storage expandable up to 2 Petabytes of storage with 3 years onsite comprehensive warranty and maintenance support.	Nos.	1
8.	SITC of High-Performance Workstation for VMS Client Monitoring and Video Wall Control, with 3 years onsite comprehensive warranty and maintenance support.	Nos.	2

9.	SITC of Workstation for VMS Client Monitoring, including 21-inch or higher LED monitor, with 3 years onsite comprehensive warranty and maintenance support.	Nos	4
10.	SITC of Laptop with pre-installed genuine Windows 11 Professional, including laptop bag, with 3 years onsite comprehensive warranty and maintenance support.	Nos	1
11.	SITC of LED Monitor, 55" 4K, 24x7 Rated for Control Room with 3 years onsite comprehensive warranty and maintenance support..	Nos	4
12.	SITC of LED Monitor, 24" Full HD for Control Room with 3 years of onsite comprehensive warranty and maintenance support.	Nos	2
13.	SITC of Network Switch, L2 Managed, 24 Port with 4SFP Port with 3 years of onsite comprehensive warranty and maintenance support.	Nos	1
14.	SITC of 10G SFP Module should be the same as the existing network L3 Switch with 3 years of onsite comprehensive warranty and maintenance support.	Nos	4
15.	SITC of L3 Network Switch, Managed, 24-Port with 3 years onsite comprehensive warranty and maintenance support.	Nos	1
16.	SITC of Industrial Grade Managed PoE Network Switch, 8 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.	Nos	4
17.	SITC of Industrial Grade Managed PoE Network Switch, 4 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.	Nos	40
18.	SITC of RF Wireless backhaul Radio System (Outdoor Point-to-Point) with 3 years onsite comprehensive warranty and maintenance support.	Nos	12
19.	SITC of RF Wireless Base Station Radio with 3 years onsite comprehensive warranty and maintenance support.	Nos	7
20.	SITC of RF Wireless Base Station Sector antenna with 3 years onsite comprehensive warranty and maintenance support.	Nos	7
21.	SITC of RF Wireless CPE Radio with Integrated Antenna on outdoor poles with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
22.	SITC of LFP Battery-Based Outdoor DC UPS (Minimum 90 VA) suitable for pole-mounted field devices with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
23.	SITC of Pole Mount Outdoor Junction Box with Din-Rail Arrangement with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
24.	SITC of Cat 6 Armoured STP LAN Cable including Conduit and required fixtures with 3 years onsite comprehensive warranty and maintenance support.	Mtr	1800
25.	SITC of 6 Meter or higher Pole with foundation with 3 years onsite comprehensive warranty and maintenance support.	Nos	62
26.	Works of Testing, Configuration, Firmware Update, IP Re-Allocation & Re-commissioning of the Existing Camera and Network Switches in the proposed system, including Works of OTDR Testing & rectification of any faults, including fiber splicing & pigtail as required in the Existing Optical Fiber cable backbone of the CUR Network & Works of Penta scanning & rectification of any faults in the existing Cat-6 cable LAN network, including repunching of I/O Modules & Patch Panels of the CUR network for existing CCTV system.	Job	1
27.	Works of Unified Video Surveillance System and CCTV Control room Re-Commissioning, Software configuration, Customization & user training Services with Integration of the Existing Active & Passive ITC LAN System with the proposed Solution.	Job	1
28.	Supply and laying of Electrical works with 3 years onsite comprehensive warranty and maintenance support as per actual measurement/requirement 28.1) Supplying of 3 X 2.5 sq. mm PVC insulated and PVC sheathed / XLPE, copper conductor armored power cable of 1.1 KV grade	RMT	6000 (Tentative)

	28.2) Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Nos.	60 (Tentative)
	28.3) Supplying and fixing 20 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral.	Nos.	60 (Tentative)
29.	Providing and carrying out Civil work including laying/ excavation/digging work in all types of as per actual measurement/requirement with 3 years onsite comprehensive warranty and maintenance support 29.1) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required.(3 X 2.5 sq. mm)	RMT	4500 (Tentative)
	29.2) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on the existing poles/wall as required. (3 X 2.5 sq. mm)	RMT	1500 (Tentative)
	29.3) Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Nos	60 (Tentative)
30.	Resident one engineer (Skilled) for 3 years onsite maintenance support	Months	36

IMPORTANT NOTE:

1. The bidder shall be required to obtain MAF certificate and Datasheet from OEM for supply items mentioned in above table at Sr. No. 1 to 13 and 15 to 22.
2. Scope of Work & Additional Terms & Conditions (ATC) should be provided on bidder letter head for Implementation, Installation, Commissioning and Integration with existing IP Camera and connectivity along with 3 years Comprehensive warranty and support.
3. It is advisable to inspect location to understand the actual requirement of university on all working days between 10.00 A.M to 5.00 P.M.

Technical Specification for Wireless CCTV Surveillance System

Technical Specification Compliance Sheet

Technical Specification for Wireless CCTV Surveillance System

Technical Specification Compliance Sheet

1. The technical compliance bid must be in this sheet only, otherwise it should be assumed that bidder is not able to offer technically desired product. Information provided elsewhere or in different form will not be considered.
2. All the columns of this sheet should be filled in compulsorily by the bidder, merely asking the office to refer catalogue or brochure will not be entertained.
3. The bidder shall assume full responsibility of the information provided in this sheet. Any false statement should render the breach of basic foundation of the tender.

Sr · No	Name and Description	Qty.	Units	Whether provided is complied with the given specification (Yes / No) with Make & Model	Page No. of Datasheet & MAF
1.	<p>SITC of 5MP or Higher Outdoor Motorised lens Bullet Camera with mounting fixture on outdoor 6 Mtr poles or higher, including 512GB Class-10 SD Card. (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Quality Image: Minimum 5-megapixel (2560x1920/2592x1944) or higher with 1/2.8" or 1/2.7" progressive scan CMOS Sensor or better</p> <p>Stream Capability: Quad Stream or better</p> <p>Motorised Lens: 2.8 mm to 12 mm or better</p> <p>Day/night operation: The camera should provide day/night functionality automatically switches to night mode in low light scene</p> <p>IR: Minimum 50 Meter or Higher</p> <p>Video compression: H.265/H.264/MJPEG or better</p> <p>PoE: It should be PoE enabled</p> <p>WDR / HLC or equivalent backlight compensation supported</p> <p>Alarm IN: Yes</p> <p>Alarm OUT: Yes</p> <p>Audio I/O: Audio in x 1, Audio out x 1</p> <p>Certification: STQC</p> <p>Local storage (Micro SD): Supply Built in 512GB SD Card along with camera or higher</p> <p>Supported protocol: Camera should support standard network protocols</p> <p>Housing: IP66 or better</p>	99	Nos		

	<p>Operating Temperature: Suitable for outdoor environmental conditions as per site requirements.</p> <p>Warranty: The offered camera shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
2.	<p>SITC of 4MP or Higher Outdoor PTZ camera with mounting fixture 6 Mtr or higher poles, including 256GB Class-10, SD Card (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Image device: 1/2.7" or 1/2.8", 4MP or higher Low Illumination Progressive Scan CMOS Sensor or better</p> <p>Horizontal Resolution: Minimum 4MP or better as applicable</p> <p>Frame rate: Mainstream: 4MP or better (2560x1440) or better</p> <p>Compression: MPEG4/H.265/H.264 or better support</p> <p>Streaming: Minimum 3 streams or better</p> <p>Alarm output: Minimum 1</p> <p>Alarm input: Minimum 1</p> <p>Focus mode: Auto/Zooming/One push manual</p> <p>IR Distance : Minimum 200 Meter or better</p> <p>Presets: 50 presets or higher</p> <p>Physical Layer: 1 × RJ-45 Ethernet port (10/100 Base-TX) or better</p> <p>Protocol: Camera should support standard network protocols</p> <p>IP support: Static/dynamic or both</p> <p>Day/night operation: The camera should provide day/night functionality automatically switches to night mode in low light scene</p> <p>Operating temperature: Suitable for outdoor environmental conditions as per site requirements.</p> <p>Power source: Camera should support PoE.</p> <p>Suitable PoE injector/adaptor or 230V AC power adaptor should be provided as required</p> <p>Housing-outdoor: IP66 or better</p> <p>Mounting bracket: suitable mounting brackets and fixtures for wall/pole installation shall be provided as required at site for proper installation of the camera</p> <p>Local storage (Micro SD): Built-in Micro SD slot supporting 256GB or higher, with minimum 256GB Class-10 Micro SD card supplied with the camera</p> <p>Certification: STQC</p> <p>Warranty: The offered camera shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	4	Nos		
3.	<p>SITC of Unified VMS Software solution with perpetual (Lifetime) licenses with Failover function, scalable up to a thousand cameras, including 5 or higher client viewing licenses, with 3 years onsite comprehensive warranty and maintenance support.</p> <p>VMS General Requirements:</p> <ul style="list-style-type: none"> ● The VMS shall be based on an open and scalable client-server architecture. ● The system shall support distributed deployment across multiple servers. ● The VMS shall operate on non-proprietary server hardware, network infrastructure, and storage systems. ● The system shall be capable of future cloud integration. <p>Camera Integration requirements</p>	1	Set		

<ul style="list-style-type: none"> ● The VMS shall support integration with IP cameras from multiple manufacturers. ● Integration shall be through native drivers or ONVIF standard protocols. ● The system shall support ONVIF Profile S, Profile G and Profile T. <p>The VMS shall support the following recording features:</p> <ul style="list-style-type: none"> ● Continuous recording ● Motion-based recording ● Scheduled recording ● Manual recording <p>The VMS shall support storage on following</p> <ul style="list-style-type: none"> ● Local server storage ● Network Attached Storage (NAS) ● Storage Area Network (SAN) ● iSCSI storage systems <p>Retention period shall be configurable.</p> <p>The system shall support retrieval of recordings from camera edge storage (SD card) when network connectivity is restored.</p> <p>The VMS shall support native failover functionality including:</p> <ul style="list-style-type: none"> ● Recording server failover ● Management server failover <p>Failover shall occur automatically without manual intervention.</p> <p>The VMS shall support following security features:</p> <ul style="list-style-type: none"> ● Secure communication using HTTPS / TLS encryption ● Role-based user authentication and access control ● Password policy enforcement ● System audit logs <p>The VMS shall support integration with Microsoft Active Directory or LDAP for centralized user authentication.</p> <p>The VMS shall support following monitoring and control features:</p> <ul style="list-style-type: none"> ● Live video monitoring ● Playback of recorded video ● PTZ camera control ● Alarm and event monitoring ● Snapshot capture ● Bookmarking of important events <p>The system shall support export of video in standard formats (MP4 / ASF or equivalent)</p> <p>The VMS shall support graphical maps and floor plan integration.</p> <ul style="list-style-type: none"> ● Display cameras on maps ● View live video directly from map interface ● Monitor alarms through maps. <p>The VMS shall support video search based on:</p> <ul style="list-style-type: none"> ● Date and time ● Camera ● Motion events ● Bookmarks <p>The VMS shall provide Windows-based client software for monitoring and configuration. The client shall support:</p> <ul style="list-style-type: none"> ● Multi-monitor display ● Customizable camera layouts. <p>The system shall include minimum 5 or higher simultaneous client viewing licenses.</p> <p>The VMS shall support mobile applications for Android and</p>				
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	<p>iOS devices. It includes:</p> <ul style="list-style-type: none"> ● Live viewing ● Playback ● PTZ control ● Alarm notifications. <p>The VMS shall provide system monitoring including:</p> <ul style="list-style-type: none"> ● Camera status monitoring ● Server health monitoring ● Recording status alerts. <p>The VMS shall support integration with:</p> <ul style="list-style-type: none"> ● Video analytics systems ● Public address systems ● Access control systems ● Intercom or SIP communication systems (optional). <p>The system shall support secure software updates and firmware updates.</p> <p>Warranty: The offered VMS software licenses and associated services shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
4.	<p>SITC of VMS software Camera perpetual (Lifetime) License for 300 Cameras with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Warranty: The offered VMS software licenses and associated services shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	300	Nos		
5.	<p>SITC of VMS software, Desktop/Mobile Client perpetual (Lifetime) license with built-in Camera function, Mobile camera should be live view & Recording on VMS in the Main control room with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Application Type Unified desktop and mobile client software for VMS</p> <p>Supported Functions The application shall support remote monitoring and operation of the video surveillance system, including live video monitoring, playback, event management, and alarm handling</p> <p>Remote monitoring and operation of security system components including video surveillance, access control, ALPR, intrusion monitoring, and event management</p> <p>Live Monitoring Must support live video streaming from connected cameras and able to live stream of Mobile Camera at control room.</p> <p>Playback Must support playback of recorded footage</p> <p>Mobile Camera Streaming Must support live and recorded mobile camera streaming at the control room</p> <p>PTZ Control The client shall support remote PTZ camera control. Must support remote PTZ (Pan-Tilt-Zoom) camera control</p> <p>Evidence Tools Must support snapshots and bookmarks for event documentation</p> <p>Access Control Integration Must allow remote door monitoring/control and display user credentials and access events</p>	10	Nos		

	<p>Alarm & Incident Handling Communication Security User Authorization Notifications Interface Features Device Compatibility OS Support System Compatibility Operational Use Case Availability</p> <p>Must support real-time response to alarms, incidents, and event notifications Communication shall be encrypted and secure, using industry standard protocols Role-based permission management aligned with server configuration Push notifications for alarms, motion detection, and critical alerts Interactive map or layout-based navigation for viewing and controlling security devices Must support smartphone and tablet devices Android and iOS operating system support required Must be compatible with the deployed VMS server version as per OEM guidelines Must enable remote field-level operational capability, improved situational awareness, and faster decision-making Shall operate without requiring physical presence at control room or command center</p> <p>Warranty: The VMS client software licenses shall include 3 years comprehensive warranty, software updates, and technical support with Next Business Day.</p>				
6.	<p>SITC of Video Management server with Failover for Up to 1000 cameras with edge video Analytics applications Processing functions with 3 years onsite comprehensive warranty and maintenance support.</p> <ol style="list-style-type: none"> 1. Form Factor: 1U/2U Rack-mountable Server 2. Processor : 2 x Intel Xeon with latest generation or equivalent, 12 cores / 24 threads or higher, 2.8 GHz or higher, 24 MB cache or higher 3. Operating System- Microsoft Windows Server 2022 Standard or higher 4. Memory: Minimum 64 GB DDR4 ECC Registered RAM, expandable to higher capacity minimum 1TB or higher. . 5. Storage Controller (RAID) Enterprise hardware RAID controller supporting RAID 0, 1, 5, 6, 10 or better, with cache protection. 6. Primary Storage Bays - Minimum 4 hot-plug drive bays supporting SAS / SATA/NL SAS enterprise drives 7. Configured Drives (SSDs) - 2 x 480 GB Enterprise SSDs (Boot / OS drives, RAID 1 mirror) 8. Networking - Minimum 2 × 1GbE and 2 × 10GbE network ports with support for higher speed network expansion through PCIe slots. 9. Power Supply - Dual redundant hot-plug power supplies with N+1 redundancy. 10. Management - Integrated remote server management 	02	Set		

	<p>interface with web-based console access.</p> <ol style="list-style-type: none"> 11. Cooling Redundant hot-swappable system fans with intelligent thermal management. 12. Expansion Slots - Server shall provide PCIe expansion slots for additional network or storage adapters. 13. Security - Server shall support standard hardware security features such as Secure Boot, TPM 2.0 or equivalent platform security mechanisms. 14. Wireless Keyboard and optical mouse 15. Support automatic VMS management and recording server failover for up to 1000 cameras. 16. The bidder shall supply all necessary cables, transceivers, power cords, and rack mounting accessories required for complete installation and connectivity of the server with storage and network equipment. 17. Provide two additional spare hard disks of the same make, type, and capacity as supplied in the server for replacement in case of disk failure. 18. Compliance and Certifications: ISO/RoHS/CE/FCC <p>Warranty: 3 years On-site comprehensive Next Business Day warranty with 24x7x365 remote hardware support. The warranty should reflect in the support web site of the OEM.</p>				
7.	<p>SITC of Dual Controller Video Storage Server Appliance for 30 days of recording with a minimum of 480TB raw storage expandable up to 2 Petabytes of storage with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Form Factor: Form Factor Rack-mountable Server Processor: 2 x Intel Xeon or equivalent Processor Minimum 12-core or higher with latest generation, 2.8 GHz or higher, scalable architecture. System Memory: Minimum 64 GB DDR4 ECC RAM or higher, expandable as supported by the system architecture. Storage (Internal SSD): Minimum 2 × 480 GB enterprise SSDs configured in RAID-1 for operating system and system applications. RAID Support: Support RAID 0, 1, 5, 6 and 10 using a hardware RAID controller. Network Interfaces: Minimum 2 × 10GbE Ethernet ports for connectivity with VMS servers and network switches. Expansion Slots: PCIe Gen support required for networking/storage scalability Redundant hot-swappable power supplies with N+1 redundancy. Cooling: Redundant system cooling fans Host Connectivity- Host Connectivity Minimum 16× 10GbE Fiber SFP Ports or higher Base Chassis Drive Slots - Minimum 12 LFF (3.5") drive bays or higher. Raw Storage Capacity The storage system shall provide minimum 480 TB raw storage capacity from Day-1, expandable up to 2 PB, and shall support continuous recording storage for at least 300 CCTV cameras for a minimum period of 30 days after RAID configuration. Dual-controller active-active architecture with mirrored cache memory of 32GB or higher for high availability and uninterrupted operation. Storage system shall provide a web-based management interface for configuration and monitoring.</p>	01	Nos		

	<p>Network Support: System shall support IPv4 and IPv6 networking protocols (IPv6 optional).</p> <p>Expansion Enclosure: 2U storage expansion enclosure compatible with the storage system.</p> <p>Connectivity: Expansion enclosure shall be compatible with the main storage system as per OEM architecture.</p> <p>Redundancy hot-swappable controllers, drives, fans</p> <p>Compliance and Certifications: ISO /RoHS/ CE/ FCC/ ISO</p> <p>Bidder shall supply all required transceivers, cables, power cords, and rack mounting accessories necessary for complete installation and end-to-end connectivity between servers, storage, and network switches.</p> <p>Bidder shall supply 02 additional spare hard disks of the same make, model, type, and capacity as supplied in the storage system for replacement in case of disk failure.</p> <p>Warranty: The offered Dual Controller Video Storage Server shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
8.	<p>SITC of High-Performance Workstation for VMS Client Monitoring and Video Wall Control, with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Form Factor: Tower Workstation chassis (enterprise-grade, vendor certified)</p> <p>Processor -Minimum workstation/server-class processor (Intel Xeon W-series / Xeon Scalable or equivalent) with 16 cores or higher.</p> <p>Memory - Minimum 64 GB DDR4/DDR5 ECC RAM, expandable as supported by the system architecture.</p> <p>Storage (Boot / System) - Minimum 2 × 480 GB enterprise SSDs configured in RAID-1 for operating system and applications.</p> <p>Graphics - Minimum 2 × NVIDIA or equivalent graphics cards with minimum 12 GB GPU memory each, suitable for multi-monitor display and video decoding.</p> <p>Operating System - Microsoft Windows 11 Professional (64-bit) or latest supported version compatible with the VMS platform.</p> <p>Networking - 1 x 1 GbE NIC (standard), expansion option for 10 GbE NIC</p> <p>Power Supply - Dual / Redundant power supply</p> <p>Cooling - High-performance cooling suitable for continuous workstation operation.</p> <p>Workstation / Server class board, enough PCIe slots for 2 GPUs, SSDs, NIC</p> <p>Security - Support TPM 2.0 and Secure Boot.</p> <p>Application Role: Workstation shall support multi-monitor client viewing, video wall control, and VMS client software operation for large camera deployments, Perpetual license for Total Security Antivirus and MS Office Latest Version.</p> <p>USB Keyboard and Mouse of same OEM.</p> <p>Warranty: 3 years On-site comprehensive Next Business Day warranty with 24x7x365 remote hardware support. The warranty should be reflected in the support web site of the OEM.</p>	02	Nos		
9.	<p>SITC of Workstation for VMS Client Monitoring, including 21-inch or higher LED monitor, with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Form Factor: Tower Workstation chassis (enterprise-grade, vendor certified)</p>	04	Nos		

	<p>Processor - Minimum Intel Xeon W-series / Xeon Scalable processor or equivalent with 16 cores or higher.</p> <p>Memory - Minimum 32 GB DDR4/DDR5 ECC RAM, expandable as supported by the system architecture.</p> <p>Storage (Boot / System) - Minimum 480 GB enterprise SSD for operating system and application storage.</p> <p>Graphics - Minimum one NVIDIA or equivalent graphics card with at least 12 GB dedicated GPU memory, suitable for multi-monitor display and video decoding for VMS client operation.</p> <p>Operating System - Microsoft Windows 11 Professional (64-bit) or Higher</p> <p>Networking - 1 x 1 GbE NIC (standard), expansion option for 10 GbE NIC</p> <p>Power Supply - Dual / Redundant power supply</p> <p>Cooling - High-performance cooling suitable for continuous workstation operation.</p> <p>Workstation / Server class board, enough PCIe slots for 2 GPUs, SSDs, NIC</p> <p>Security - Support TPM 2.0 and Secure Boot.</p> <p>Application Role: Workstation shall support VMS client monitoring, multi-camera viewing, and smooth video decoding for surveillance operations. Perpetual licence for Total Security Antivirus and MS Office Latest Version.</p> <p>Monitor: Minimum 21-inch or larger LED monitor with Full HD resolution or higher.</p> <p>Warranty: 3 years On-site comprehensive Next Business Day warranty with 24x7x365 remote hardware support. The warranty should be reflected in the support web site of the OEM.</p>				
10.	<p>SITC of Laptop with pre-installed genuine Windows 11 Professional, including laptop bag, with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Processor: Minimum Intel Core i7 or equivalent latest generation processor.</p> <p>RAM: Minimum 16 GB DDR4/DDR5 RAM.</p> <p>Storage: Minimum 480 GB SSD</p> <p>Graphics: Integrated or Dedicated Graphics with Minimum 2 GB VRAM</p> <p>Display: Minimum 14" or Above</p> <p>Operating System: Pre-installed Genuine/Original Windows 11 Pro with License, Perpetual licence for Total Security Antivirus and MS Office Latest Version</p> <p>Connectivity: Wi-Fi, Bluetooth, USB Ports, HDMI or Type-C</p> <p>Accessories: Laptop bag compatible with the supplied laptop.</p> <p>Warranty: The offered Laptop shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	1	Nos		
11.	<p>SITC of LED Monitor, 55" 4K, 24x7 Rated for Control Room with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Size: 55"</p> <p>Resolution: 3840*2160 (4K UHD) or higher</p> <p>Brightness 500 Nits or higher</p> <p>Panel Technology IPS/ VA or equivalent</p> <p>Viewing Angle (H/V) Minimum 178° horizontal and vertical.</p> <p>Display Colors 16.7M or higher</p> <p>Audio Built in Speaker (10W + 10W)</p> <p>Input Minimum 3 × HDMI inputs and 1 × USB port or</p>	4	Nos		

	<p>equivalent. Output Line-level audio output or equivalent audio connectivity. Duty Cycle 24/7 Hrs. External Control Support network-based display control (RJ45 or equivalent). Mounting Suitable wall mounting bracket and all required installation accessories shall be supplied. Compatibility: Compatible with CCTV systems, NVR/DVR/VMS, workstations, and laptops via standard video interfaces. All required cables, connectors, and installation accessories shall be supplied. Warranty: The offered Display shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
12.	<p>SITC of LED Monitor, 24" Full HD for Control Room with 3 years onsite comprehensive warranty and maintenance support. Display Size: Minimum 24 inches or higher Panel Technology: IPS / VA / TFT LED or equivalent. Aspect Ratio: 16:9 supported Native Resolution: Minimum 1920 × 1080 (Full HD) or higher Brightness: Minimum 250 cd/m² or higher Contrast Ratio: Minimum 1000:1 or higher Viewing Angle: 178° (H) × 178° (V) Refresh Rate: Minimum 60 Hz Color Support: 16.7 million colors Anti-Glare Coating: Required Inbuilt Speakers, Audio In/Out Inputs & Connectivity: HDMI ports: Minimum 1 (preferably 2) VGA port: 1 (mandatory for legacy DVR support) Audio In/Out: 1 (optional) USB port: Optional (for service/firmware/media support) Compatibility: support connection with CCTV DVR/NVR/VMS, workstation, and laptop via standard video interfaces. Suitable for continuous operation in control room environment Mount Compatibility: As per site requirement Wall Mount Bracket: Should be supplied All required HDMI/VGA cables and connectors shall be provided. Warranty: The offered Monitor shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	02	Nos		
13.	<p>SITC of Network Switch, L2 Managed, 24 Port with 4SFP Port with 3 years onsite comprehensive warranty and maintenance support. Switch Type Fully Managed Layer-2 Gigabit Ethernet Switch Switching Capacity Minimum 56 Gbps or higher Forwarding Rate Minimum 41.6 Mpps or higher Flash / Memory Minimum 32MB Flash and 128MB RAM higher Ports Minimum 24 × 10/100/1000 Mbps RJ-45 ports + 4 × 1Gb SFP Uplink Ports Console Port 1 × RJ-45 or USB Console Port Auto-Negotiation Supported for(10/100/1000 Mbps)</p>	01	Nos		

	<p>VLAN Support IEEE 802.1Q VLAN, Minimum 4K VLAN entries</p> <p>Layer-2 Features STP / RSTP / MSTP, Link Aggregation (IEEE 802.3ad /LACP), Port Mirroring, Jumbo Frame support (9K Bytes or higher)</p> <p>Security Features MAC Binding / Port Security, DHCP Snooping,</p> <p>IGMP Support IGMP Snooping v1/v2/v3, MLD v1/v2</p> <p>QoS QoS based on Port, 802.1p, DSCP, Minimum 8 hardware queues</p> <p>Management Web GUI, CLI,SSH, SNMP v1/v2c/v3, IPv4 management</p> <p>Certifications RoHS compliant</p> <p>Warranty: The offered network switch shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
14.	<p>SITC of 10G SFP Module should same make of the existing network L3 Switch with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Form Factor SFP+ (Small Form-Factor Pluggable Plus), hot-swappable</p> <p>Data Rate Minimum 10 Gbps</p> <p>Compliance Standards IEEE 802.3ae / SFF-8431 / SFF-8436 compliant</p> <p>Connector Type LC Duplex connector</p> <p>Optical Standard Compatible with 10GBASE-SR or 10GBASE-LR Ethernet standard</p> <p>Supported Distance Up to 10 km over Single Mode Fiber (10GBASE-LR)</p> <p>DOM / DDM Support Support for Digital Optical Monitoring (DOM/DDM)</p> <p>Operating Temperature Commercial grade</p> <p>Protocol Compatibility Compatible with 10GBASE-SR / 10GBASE-LR Ethernet standards</p> <p>Make The SFP+ module shall be fully compatible with the existing Network L3 Switch.</p> <p>Warranty: The offered SFP+ module shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	04	Nos		
15.	<p>SITC of L3 Network Switch, Managed, 24-Port with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Switch Type Enterprise-Grade Managed Layer-3 Gigabit Ethernet Switch</p> <p>Switching Capacity Minimum 56 Gbps or more</p> <p>Forwarding Rate Minimum 41 Mpps or More</p> <p>Ports Minimum 24 × 10/100/1000 Mbps RJ-45 Access Ports</p> <p>Uplink Ports Minimum 4 × 10G SFP+ Uplink Ports</p> <p>CPU & Memory Embedded multicore processor with minimum 2 GB DRAM and 4 GB Flash memory</p> <p>Layer-3 Features Support for Static Routing, RIP, OSPF and Inter-VLAN Routing or equivalent Layer-3 routing protocols.</p> <p>VLAN Support Support for IEEE 802.1Q VLAN tagging with minimum 1000 VLANs.</p> <p>Stacking Support for hardware stacking with minimum 4 switches per stack.</p>	01	Nos		

	<p>Quality of Service (QoS) Support for 802.1p CoS and DSCP based QoS.</p> <p>Multicast Support Support for IGMP Snooping v1/v2/v3 and PIM-SM / PIM-DM</p> <p>Management Support for CLI, Web-based management and SNMP</p> <p>Certifications RoHS compliant</p> <p>Warranty: The offered switch shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
16.	<p>SITC of Industrial Grade Managed PoE Network Switch, 8 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Ports: Minimum 8 × 10/100/1000 Mbps RJ-45 PoE Ports Minimum 2 × 1G SFP Uplink Ports</p> <p>Protection Grade: Minimum IP40 rated industrial enclosure</p> <p>Switch should support Din-Rail Mount</p> <p>Switch should have a Fanless Design</p> <p>Switch should support min 8K MAC address support</p> <p>Switching Capacity: Minimum 20 Gbps switching fabric</p> <p>Forwarding Rate: Minimum 14.88 Mpps</p> <p>Power Input: Dual DC power input 48–55 V</p> <p>PoE Features: Support IEEE 802.3af / 802.3at PoE standards, Maximum 30 W PoE output per port, Minimum 240 W total PoE power budget</p> <p>Power Consumption: Maximum 260 W under full PoE load</p> <p>Management: Support for Web-based management interface, SSH access</p> <p>Network Features: STP / RSTP / MSTP support, Broadcast / Multicast storm suppression, L2 / L3 / L4 ACL support, IP + MAC + Port binding</p> <p>Certification: RoHS compliant</p> <p>Warranty: The offered switch shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	04			
17.	<p>SITC of Industrial Grade Managed PoE Network Switch, 4 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Ports: Minimum 4 × 10/100/1000 Mbps RJ-45 PoE Ports and 2 × 1G SFP Uplink Ports</p> <p>Protection Grade: Minimum IP40 rated industrial enclosure</p> <p>Mounting: Support for DIN-Rail mounting</p> <p>Cooling: Fanless design</p> <p>MAC Address Table: Minimum 8K MAC address support</p> <p>Switching Capacity: Minimum 12 Gbps switching fabric</p> <p>Power Input: Support for dual DC power input (48–57 V)</p> <p>PoE Features: Support for IEEE 802.3af / 802.3at PoE standards, maximum 30 W PoE output per port, with minimum 120 W total PoE power budget</p> <p>Power Consumption: Maximum 135 W under full PoE load</p> <p>Management: Support for Web-based management interface, CLI management</p> <p>Network Features: STP / RSTP / MSTP support, Broadcast / Multicast storm suppression, LLDP support, IPv4 / IPv6 support</p> <p>Network Monitoring: SNMP v1 / v2c / v3</p> <p>Certifications / Compliance: RoHS compliant</p>	40			

	Warranty: The offered switch shall have 3 years onsite comprehensive warranty with Next Business Day support.				
18.	<p>SITC of RF Wireless backhaul Radio System (Outdoor Point-to-Point) with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Product Type Outdoor Point-to-Point (PTP) Wireless Backhaul Radio</p> <p>Frequency Band 5 GHz unlicensed band (5.1 – 5.9 GHz) compliant with regional regulations</p> <p>Antenna Type Integrated High-Gain Antenna</p> <p>Antenna Gain Minimum 16 dBi or better</p> <p>Radio Chains (MIMO) 2x2 MIMO or better</p> <p>Modulation Adaptive modulation up to 256</p> <p>Technology QAM or higher</p> <p>Channel Bandwidth 20 / 40 / 80 MHz</p> <p>Support</p> <p>Aggregate Throughput Minimum 1 Gbps aggregate throughput</p> <p>Duplexing Method TDD (Time Division Duplex)</p> <p>Networking Support for Layer-2 bridge and VLAN (IEEE 802.1Q).</p> <p>Features Management Support for Web-based management interface and SNMP</p> <p>Interface Powering Support for PoE power input</p> <p>Power Consumption Maximum 30 W</p> <p>Ethernet Port Minimum 1 × 10/100/1000 Mbps Gigabit Ethernet port</p> <p>Mounting Type Support for pole mounting with necessary mounting accessories</p> <p>Environmental Rating Minimum IP66 rated outdoor enclosure.</p> <p>Operating Temperature Suitable for outdoor environmental conditions as per site requirements.</p> <p>Lightning & Surge Protection Support for surge and lightning protection</p> <p>Certification Compliance Compliant with relevant international standards and RoHS regulations.</p> <p>Provision of proper earthing and grounding for all RF equipment shall be ensured as part of the installation and commissioning work.</p> <p>Perpetual License for On-Premises Software Controller to manage and configure all RF Radio Devices</p> <p>Warranty: The offered RF wireless backhaul radio shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>	12			
19.	<p>SITC of RF Wireless Base Station Radio with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Device Type Outdoor Wireless Base Station / Access Point for Point-to-Multipoint (PTMP) backhaul</p> <p>Radio Technology Support for OFDM-based 2×2 MI or better</p> <p>Frequency Band 5 GHz band (approx. 5.1–5.9 GHz) compliant with applicable regulatory norms</p>	07			

	<p>Channel Widths 20 / 40 / 80 MHz</p> <p>Subscriber module/ client Capacity Minimum 64 or better</p> <p>Aggregate Throughput Minimum 600 Mbps aggregate throughput</p> <p>Modulation Adaptive modulation up to 256-QAM or higher</p> <p>Transmit Power Adjustable transmit power as per regulatory limits</p> <p>Antenna Support Support for external antennas</p> <p>Ethernet Interface Minimum 1 × 10/100/1000 Mbps Gigabit Ethernet port</p> <p>Network Protocols Support for IPv4 / IPv6 networking and SNMP management.</p> <p>Environmental Protection Minimum IP66 rated outdoor enclosure</p> <p>Power Input Support for PoE power input</p> <p>Operating Temperature Suitable for outdoor environmental conditions as per site requirements.</p> <p>Provision of proper earthing and grounding for all RF equipment shall be ensured as part of the installation and commissioning work.</p> <p>Perpetual License for On-Premises Software Controller to manage and configure all RF Radio Devices</p> <p>Warranty: The offered RF wireless base station shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
20.	<p>SITC of RF Wireless Base Station Sector antenna with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Antenna Type Outdoor Sector Antenna compatible RF Base Station Radio</p> <p>Frequency Range Support for 5 GHz band (approx. 4.9 GHz)</p> <p>MIMO Support 2×2 MIMO or better</p> <p>Gain Minimum 16 dBi or better</p> <p>Beamwidth Options Sector antenna with 60° / 90° / 120° coverage options</p> <p>Polarization Dual polarization support.</p> <p>Connector Type Suitable RF connector compatible with the offered radio</p> <p>Environmental Rating Minimum IP65 rated outdoor enclosure</p> <p>Mounting Provision of universal pole mounting hardware</p> <p>Operating Temperature Suitable for outdoor environmental conditions as per site requirements.</p>	07			
21.	<p>SITC of RF Wireless CPE Radio with Integrated Antenna on outdoor poles with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Device Type Outdoor Wireless CPE Radio suitable Point-to-Point (PTP) and Point-to-Multipoint (PTMP) data backhaul</p> <p>Frequency Band Support for 5 GHz band compliant with applicable regulatory norms</p> <p>Channel Bandwidth Support for 20 / 40 / 80 MHz</p> <p>Radio Technology Support for OFDM-based 2×2 MIMO or better</p> <p>Aggregate Minimum 600 Mbps aggregate throughput</p>	62	Nos		

	<p>Throughput</p> <p>Modulation</p> <p>Transmit Power</p> <p>Antenna</p> <p>Ethernet Interface</p> <p>Networking Features</p> <p>Management</p> <p>Weatherproofing</p> <p>Operating Temperature</p> <p>Mounting Support</p> <p>Power Consumption</p> <p>Power Input</p> <p>Certifications</p> <p>Included Accessories</p> <p>Provision of proper earthing and grounding for all RF equipment shall be ensured as part of the installation and commissioning work.</p> <p>Perpetual License for On-Premises Software Controller to manage and configure all RF Radio Devices</p> <p>Warranty: The offered RF wireless CPE radio shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
22.	<p>SITC of LFP Battery-Based Outdoor DC UPS (Minimum 90 VA) suitable for pole-mounted field devices with 3 years onsite comprehensive warranty and maintenance support</p> <p>UPS Type</p> <p>Installation</p> <p>Output Voltage</p> <p>Voltage Regulation</p> <p>Charging System</p> <p>Backup Time</p> <p>Switching Technology</p> <p>Solar Input Provision</p> <p>Battery Type</p> <p>Enclosure</p>	62	Nos		

	<p>Operating Temperature Suitable for outdoor environmental operating conditions</p> <p>Warranty: The offered outdoor DC UPS shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
23.	<p>SITC of Pole Mount Outdoor Junction Box with Din-Rail Arrangement with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Enclosure Type: Outdoor pole-mounted equipment enclosure</p> <p>Rack Size: Minimum 4U rack space with DIN-rail arrangement</p> <p>Environmental Protection: Minimum IP55 rated outdoor enclosure</p> <p>Construction: Weather-resistant metal enclosure with powder-coated finish</p> <p>Cooling: Provision of ventilation with exhaust fans</p> <p>Front Access: Front door with locking arrangement and air filter</p> <p>Power Distribution: Provision for inbuilt PDU with minimum 6 power sockets or as per requirement</p> <p>Cable Management: Provision of cable management accessories and cable entry</p> <p>Mounting: Suitable pole mounting brackets with all required mounting hardware</p> <p>Accessories: Provision of cantilever tray and cable management accessories</p> <p>Installation Requirement: All required mounting fixtures and accessories shall be supplied and installed.</p> <p>Warranty: The offered outdoor junction box / pole rack shall have minimum 3 years onsite comprehensive warranty with Next Business Day support.</p>	62	Nos.		
24.	<p>SITC of Cat 6 Armoured STP LAN Cable including Conduit and required fixtures with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Conductor 4-pair 23 AWG solid bare copper conductor</p> <p>Outer Jacket / Sheath Black PE outer sheath, UV-resistant and suitable for outdoor installation</p> <p>Armour / Protection Armoured construction suitable for outdoor installation and mechanical protection</p> <p>Category / Standard Compliance Category-6 compliant as per relevant standards</p> <p>Bandwidth / Performance Minimum 250 MHz bandwidth support Gigabit Ethernet (1000Base-T)</p> <p>Cable Type Cat-6 Armoured STP LAN Cable suitable for outdoor installation</p> <p>Warranty: The offered Cat-6 armoured LAN cable including installation shall have minimum 3 years onsite comprehensive warranty with Next Business Day support</p>	1800	Mtr.		
25.	<p>SITC of 6 Meter or higher Pole with foundation with 3 years onsite comprehensive warranty and maintenance support.</p> <p>Pole Type Octagonal Hot-Dip Galvanized CCTV Pole</p> <p>Height 6 meters or higher above ground level</p>	62	Nos.		

	<p>Material Mild Steel (MS) pole conforming to relevant IS standards</p> <p>Galvanization Hot-dip galvanized with minimum 80 micron coating</p> <p>Base Plate Heavy-duty base plate with foundation bolts suitable for pole mounting</p> <p>Arm Minimum 1 meter extension arm suitable for CCTV camera mounting</p> <p>Climbing Provision Built-in ladder/steps for maintenance access</p> <p>Wind Speed Compliance Pole designed to withstand minimum wind speed of 180 km/h</p> <p>Mounting Hardware Provision for cable entry, earthing arrangement and required mounting hardware</p> <p>Finish Anti-corrosion galvanized finish suitable for outdoor installation</p> <p>Accessories Included Supply of all necessary mounting brackets, bolts, foundation bolts and accessories</p> <p>Warranty: The offered CCTV pole with foundation shall have 3 years onsite comprehensive warranty with Next Business Day support.</p>				
26.	<p>Works of Testing, Configuration, Firmware Update, IP Re-Allocation & Re-commissioning of the Existing Camera and Network Switches in the proposed system, including Works of OTDR Testing & rectification of any faults, including fiber splicing & pigtail as required in the Existing Optical Fiber cable backbone of the CUR Network & Works of Penta scanning & rectification of any faults in the existing Cat-6 cable LAN network, including repunching of I/O Modules & Patch Panels of the CUR network for existing CCTV system.</p> <p>The bidder shall design and implement a dedicated, secure CCTV network for the University by integrating the existing CCTV infrastructure with the proposed wireless CCTV surveillance system, and by logically and physically segregating CCTV traffic from the existing LAN/data network wherever required. The bidder shall assess the current network architecture and reconfigure switching, VLANs, IP addressing and routing such that all CCTV cameras (existing and new), VMS servers and storage operate on a dedicated CCTV network segment, isolated from the University's general user LAN except at defined integration points (e.g., Central Control Room (CCR)/viewing clients, Security Operations Center (SOC), monitoring consoles).</p> <p>The scope shall include seamless integration of all existing IP CCTV cameras, NVRs (if retained), and network switches into the new centralized VMS and CCTV network, ensuring that existing cameras are migrated, re-addressed, tested and brought under unified monitoring and management without loss of functionality.</p> <p>Works of Testing, Configuration, Firmware Update, IP Re-Allocation and Re-commissioning of the existing cameras and network switches into the proposed CCTV system are</p>	01	Job		

	<p>included in the bidder's scope. This also includes:</p> <ul style="list-style-type: none"> • OTDR testing and rectification of any faults in the existing optical fiber backbone of the CUR network, including fiber splicing, pigtail termination, etc. and patching as required. • Penta-scanning / certification and rectification of any faults in the existing Cat-6 LAN cabling related to the CCTV system, including re-punching of I/O modules and patch panels of the CUR network where CCTV is connected. <p>All required reconfiguration, migration and segregation activities shall be carried out by the bidder without disruption to the University's academic/administrative LAN services, in coordination with the University's ICT team.</p> <p>Approximately 200 existing CCTV cameras shall be integrated into the proposed VMS and dedicated CCTV network. The bidder shall carry out all additional works, configurations and adjustments, whether explicitly mentioned in this document or not, that are necessary to make the entire CCTV surveillance system (including new wireless links and existing cameras) fully functional, stable and centrally manageable from the Control Room at single window.</p> <p>All CCTV cameras (existing and new) integrated with the VMS shall be securely accessible through the VMS & mobile client application over the Internet on authorized mobile devices. Remote access shall use secure communication (HTTPS/VPN or equivalent), strong authentication (user ID/password and, where supported, multi-factor authentication) and role-based access control to prevent unauthorized viewing or tampering of live or recorded video.</p>				
27.	<p>Works of Unified Video Surveillance System and CCTV Control room Re-Commissioning, Software configuration, Customization & user training Services with Integration of the Existing Active & Passive ITC LAN System with the proposed Solution</p> <p>The bidder shall design, implement and re-commission a unified IP-based Video Surveillance System and CCTV Control Room for the University, integrating the proposed wireless CCTV solution with the existing active and passive ITC/LAN infrastructure, while ensuring logical/physical segregation of CCTV traffic from the general data network. The bidder shall create a dedicated, secure CCTV network segment (VLANs / separate switching as applicable) for all CCTV components, with controlled integration points to the University LAN for authorized viewing, administration and recording services.</p> <p>As part of this scope, the bidder shall assess the existing CCTV setup and Control Room, dismantle or re-organize obsolete components where required, and re-commission the CCTV Control Room with the new VMS, video wall/monitors, servers, storage, network switches and associated furniture, cabling and power arrangements on a turnkey basis. All existing and newly supplied equipment shall be integrated into a single, centrally managed VMS environment with appropriate user roles, recording policies,</p>	01	Job		

	<p>alerts, and health monitoring.</p> <p>The scope includes complete integration of approximately 200 existing and 100+ new CCTV cameras and associated switches & other devices into the proposed unified VMS and CCTV network. The bidder shall carry out testing, configuration, firmware update, IP Re-allocation and re-commissioning of all existing cameras and relevant network switches & other devices in the proposed system, ensuring that all cameras are reachable, viewable and recordable in the VMS with appropriate naming, grouping and retention settings. All additional works required to onboard existing cameras (including replacement of faulty PoE injectors/switch ports, minor accessories, and configuration changes) shall be treated as within the bidder's scope</p> <p>The bidder shall perform OTDR testing of the existing optical fiber backbone segments used for CCTV, identify and rectify any faults, and carry out fiber splicing, pigtail termination and patching in LIUs/FDMS as required to achieve a stable backbone for the unified system. The bidder shall also perform Penta scanning/certification and rectification of faults in the existing Cat-6 cabling used for CCTV, including re-punching of I/O modules and patch panels, replacement of damaged cords/IOs, and ensuring compliance with structured cabling standards.</p> <p>The unified system shall be configured to provide secure access to live and recorded video from the VMS on authorized client PCs and mobile devices over the Internet, using secure communication (HTTPS/VPN or equivalent), strong authentication and role-based access control in line with University cyber-security policies. The bidder shall integrate the VMS and CCTV components with existing time/NTP, AD or identity services and Network Management/System Monitoring tools where specified by the University ICT team.</p> <p>The bidder shall provide comprehensive software configuration, customization and user training services, including creation of camera layouts, views, alarm rules, user/groups, reports and retention policies as per University requirements. Structured training shall be provided for control room operators, IT/network staff and security personnel covering day to day operation, basic troubleshooting, incident retrieval/export procedures and cyber security best practices; relevant manuals, SOPs and as built documentation shall be handed over upon completion.</p> <p>Any civil and electrical works required for setting up, modification, finishing or beautification of the CCTV Control Room (including, but not limited to, minor partitioning, painting, flooring/false ceiling adjustments, conducting, additional electrical points, lighting, sockets, switches and associated wiring) to make the Control Room fully functional and aesthetically presentable shall be entirely in the scope of the bidder, at no additional cost to the University.</p>				
28.	<p>Supply and laying of Electrical works with 3 years onsite comprehensive warranty and maintenance support including all stated work after completion of DLP, including spare parts, consumables, tools & takels, labour, machinery etc. complete as required on site, as per standard practice and directions of authority.</p> <p>28.1) Supplying of 3 X 2.5 sq. mm PVC insulated and PVC sheathed / XLPE, copper conductor armored power cable of</p>	6000	RMT		

	1.1 KV grade	(Tentative)			
	28.2) Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	60 (Tentative)	Nos.		
	28.3) Supplying and fixing 20 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral. All works necessary to carry power from the source to the destination, including the provision and integration of UPS connections and laying of all required cables up to each CCTV connection point, shall be entirely within the scope of the bidder/supplier. The University will provide only the raw power tap point, and the bidder shall be responsible for all remaining work required making the entire CCTV system fully functional. Any faults arising during execution/maintenance/warranty and any repair work required to rectify such faults shall also fall under the scope of the bidder.	60 (Tentative)	Nos.		
29.	Providing and carrying out Civil work including laying/excavation/digging work with 3 years onsite comprehensive warranty and maintenance support including all stated work after completion of DLP, including spare parts, consumables, tools & takels, labour, machinery etc. complete as required on site, as per standard practice and directions of authority. 29.1) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc. as required.(3 X 2.5 sq. mm)	4500 (Tentative)	RMT		
	29.2) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on the existing poles/wall as required. (3 X 2.5 sq. mm)	1500 (Tentative)	RMT		
	29.3) Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required. The bidder must obtain a No Objection Certificate (NOC) and all necessary permissions from the University before carrying out any civil-related work. All relevant equipment, including machinery, tools, parts, and labor, shall be provided by the bidder. Proper route marking shall also be carried out by the bidder. Any faults arising during execution, along with any repair work required to rectify such faults, shall fall under the bidder's scope. After any excavation, it shall be mandatory for the bidder to restore the site to its original condition. Any damage caused to University property during the course of work shall be the sole responsibility of the bidder,	60 (Tentative)	Nos.		

	and necessary recovery will be imposed by the University.				
30.	<p>Resident one engineer (Skilled) for 3 years onsite maintenance support</p> <p>The deployed skilled engineer shall perform the following duties:</p> <ol style="list-style-type: none"> 1. The bidder shall provide one (1) full-time resident engineer during University office hours (Monday to Saturday) as per labour law for comprehensive 3-year onsite maintenance support of the entire CCTV surveillance system. The engineer shall remain available 24x7 on-call for emergencies via dedicated mobile number. If engineer on leave the bidder should provide suitable replacement of the same. 2. The University shall not be responsible for providing residential accommodation to resident engineer. If any hostel/guest room is available in the University premises, it may be provided on a chargeable basis subject to availability and prior approval. 3. Regular observation of live feeds from all cameras. 4. Report suspicious activities, security violations, or malfunctioning equipment. 5. Assist in retrieving video footage and preparing reports as required by authorities. 6. Maintain daily logs, incident records, and handover/takeover notes. 7. Ensure system uptime, report alert notifications, and escalate issues to the IT/Security team. 8. Perform basic health checks of NVR/VMS/storage and alert on errors. 9. Coordinate with AMC/maintenance vendor for technical issues. 10. Maintain confidentiality of all recorded data and events. 11. Assist during audits, inspections, and evidence retrieval for law enforcement or internal committees. <p>Qualification Requirements</p> <p>The manpower must meet the following minimum criteria:</p> <ul style="list-style-type: none"> Diploma qualification/ B.tech/BCA/BSC or Graduate or equivalent Minimum 2 years of experience in CCTV control room operation Knowledge of Networking, CCTV systems, NVR/VMS operations, and video retrieval Basic computer proficiency (Windows, MS Office, Email) Experience in handling of mid or large scale RF based surveillance system Ability to write incident reports and maintain logs Good communication skills & disciplined conduct <p>Responsibilities</p> <ul style="list-style-type: none"> Ensure uninterrupted monitoring, maintenance and up keeping of entire CCTV Setup. Report all incidents immediately Maintain confidentiality and integrity Not leave the duty post without permission Comply with organizational security policies Coordinate with IT & Security teams during alert events 	36	Months		

(8)TENDER FORM
(Techno Financial UN priced Bid)

Tender No.....

To

The _____

Dear Sir,

1. I/We hereby offer to supply the items as listed in the schedule to this tender hereto/portion thereof as you may specify in the acceptance of Tender at the price given in the said Schedule and agree to hold this offer open for a period of 180 days from the date of opening of the tender. I/we shall be bound by a communication of acceptance issued by you.
2. I/We have understood the Instruction to bidders and Conditions of Contract in the form as enclosed with the invitation to the tender and have thoroughly examined the specifications quoted in the Schedule hereto and am/are fully aware of the nature of the goods required and my/our offer is to supply the goods strictly in accordance with the specifications and requirements.
3. A crossed Bank Draft in favour of the Registrar, Central University of Rajasthan for Rs. (Rupees.....only) as Earnest Money is enclosed. The Draft is drawn on Bank payable at Bandarsindri/Madanganj/Kishangarh.
4. The following have been added to form part of this tender.
 - a) Details of items quoted for, as per instructions provided in the schedule of requirement.
 - b) Schedule of requirements, quoting the make only duly signed and stamped (without indicating price)
 - c) Copy of PAN.
 - d) Copy of last audited balance sheet.
 - e) Copy of Valid Central/State sales tax/GST registration certificate.
 - f) Proof of manufacturing Unit.
 - g) Statement of deviations from financial terms & conditions, if any.
 - h) Manufacturer's Authorization Certificate on their letter pad.
 - i) Technical Specifications Compliance statement along with original Brochure / literature.
 - j) Any other enclosure. (Please give details)
5. We undertake to execute all orders which have been placed to meet emergent requirements on priority basis.
6. Certified that the bidder is:
 - a) A sole proprietorship firm and the person signing the bid document is the sole proprietor/constituted attorney of the sole proprietor,

OR
 - b) A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney.

OR
 - c) A company and the person signing the document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the bid document).

7. We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof shall constitute a binding contract between us.

Yours faithfully,

(Signature of bidder)

Dated this day of _____

Address...

.....

.....

Telephone: _____

FAX _____

E-mail _____

Seal of Bidder Organization

(9)Tender Form (Priced Bid) Part B

To
The _____

Ref: Tender No, Dated

Sir,

Having examined the bidding documents and having submitted the techno Financial un-priced bid for the same, we, the undersigned, hereby submit the priced bid for supply of goods and services as per the schedule of requirements and in conformity with the said bidding documents.

We hereby offer to supply the Goods/Services at the prices and rates mentioned in the enclosed schedule of price.

We do hereby undertake that, in the event of acceptance of our bid, the supply of Goods/Services shall be made as stipulated in the schedule of requirement and that we shall perform all the incidental services.

The prices quoted are inclusive of all charges net F.O.R University. We enclose herewith the complete Financial Bid as required by you. This includes:

- i. Price Schedule as per schedule of requirement.
- ii. Statement of deviations from financial terms and conditions.

We agree to abide by our offer for a period of 180 days from the date fixed for opening of the bid documents and that we shall remain bound by a communication of acceptance within that time.

We have carefully read and understood the terms and conditions of the bid document and we do hereby undertake to supply as per these terms and conditions. The Financial Deviations are only those mentioned in the statement of deviations from financial terms and conditions.

Certified that the bidder is:

A sole proprietorship firm and the person signing the bid document is the sole proprietor/ constituted attorney of sole proprietor,

Or

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney,

Or

A company and the person signing the bid document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the bid document.)

We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.

Dated this day of _____

Details of enclosures

Signature of Bidder Full
Address:
Fax No.
E-mail:

Seal of Bidder Organization

(10)Price Schedule (Annexure "B-1")

E.M.D._____

D.D. Details_____

Bank Name_____

Date_____

Format for Financial Bid

(To be submitted on the letterhead of the company / firm)

Ref. No.

Dated:

Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Central Control Room with 3 Years Comprehensive On-site Maintenance Contract at Central University of Rajasthan

S. No	Item Description	Unit	Qty.	Price	Amount	Taxes	Total Price F.O.R.at Central University of Rajasthan All inclusive
1.	SITC of 5MP or Higher Outdoor Motorised lens Bullet Camera with mounting fixture on outdoor 6 Mtr poles or higher, including 512GB Class-10 SD Card. (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.	Nos.	99				
2.	SITC of 4MP or Higher Outdoor PTZ camera with mounting fixture 6 Mtr or higher poles, including minimum 256GB Class-10, SD Card (STQC certified Camera) with 3 years onsite comprehensive warranty and maintenance support.	Nos.	4				
3.	SITC of Unified VMS Software solution with perpetual (Lifetime) licenses with Failover function, scalable up to a thousand cameras, including 5 or higher client viewing licenses, with 3 years onsite comprehensive warranty and maintenance support.	Set	1				
4.	SITC of VMS software Camera perpetual (Lifetime) License for 300 Cameras with 3 years onsite comprehensive warranty and maintenance support.	Nos.	300				
5.	SITC of VMS software, Desktop/Mobile Client perpetual (Lifetime) license with built-in Camera function, Mobile camera	Nos.	10				

	should be live view & Recording on VMS in the Main control room with 3 years onsite comprehensive warranty and maintenance support.						
6.	SITC of Video Management server with Failover for Up to 1000 cameras with edge video Analytics applications Processing functions with 3 years onsite comprehensive warranty and maintenance support.	Set	2				
7.	SITC of Dual Controller Video Storage Server Appliance for 30 days of recording with a minimum of 480TB raw storage expandable up to 2 Petabytes of storage with 3 years onsite comprehensive warranty and maintenance support.	Nos.	1				
8.	SITC of High-Performance Workstation for VMS Client Monitoring and Video Wall Control, with 3 years onsite comprehensive warranty and maintenance support.	Nos.	2				
9.	SITC of Workstation for VMS Client Monitoring, including 21-inch or higher LED monitor, with 3 years onsite comprehensive warranty and maintenance support.	Nos	4				
10.	SITC of Laptop with pre-installed genuine Windows 11 Professional, including laptop bag, with 3 years onsite comprehensive warranty and maintenance support.	Nos	1				
11.	SITC of LED Monitor, 55" 4K, 24x7 Rated for Control Room with 3 years onsite comprehensive warranty and maintenance support..	Nos	4				
12.	SITC of LED Monitor, 24" Full HD for Control Room with 3 years of onsite comprehensive warranty and maintenance support.	Nos	2				
13.	SITC of Network Switch, L2 Managed, 24 Port with 4SFP Port with 3 years of onsite comprehensive warranty and maintenance support.	Nos	1				
14.	SITC of 10G SFP Module should be the same as the existing network L3 Switch with 3 years of onsite comprehensive warranty and maintenance support.	Nos	4				
15.	SITC of L3 Network Switch, Managed, 24-Port with 3 years onsite comprehensive warranty and maintenance support.	Nos	1				
16.	SITC of Industrial Grade Managed PoE Network Switch, 8 Port with 2 SFP Uplinks suitable for Outdoor	Nos	4				

	Installation with 3 years onsite comprehensive warranty and maintenance support.						
17.	SITC of Industrial Grade Managed PoE Network Switch, 4 Port with 2 SFP Uplinks suitable for Outdoor Installation with 3 years onsite comprehensive warranty and maintenance support.	Nos	40				
18.	SITC of RF Wireless backhaul Radio System (Outdoor Point-to-Point) with 3 years onsite comprehensive warranty and maintenance support.	Nos	12				
19.	SITC of RF Wireless Base Station Radio with 3 years onsite comprehensive warranty and maintenance support.	Nos	7				
20.	SITC of RF Wireless Base Station Sector antenna with 3 years onsite comprehensive warranty and maintenance support.	Nos	7				
21.	SITC of RF Wireless CPE Radio with Integrated Antenna on outdoor poles with 3 years onsite comprehensive warranty and maintenance support.	Nos	62				
22.	SITC of LFP Battery-Based Outdoor DC UPS (Minimum 90 VA) suitable for pole-mounted field devices with 3 years onsite comprehensive warranty and maintenance support.	Nos	62				
23.	SITC of Pole Mount Outdoor Junction Box with Din-Rail Arrangement with 3 years onsite comprehensive warranty and maintenance support.	Nos	62				
24.	SITC of Cat 6 Armoured STP LAN Cable including Conduit and required fixtures with 3 years onsite comprehensive warranty and maintenance support.	Mtr	1800				
25.	SITC of 6 Meter or higher Pole with foundation with 3 years onsite comprehensive warranty and maintenance support.	Nos	62				
26.	Works of Testing, Configuration, Firmware Update, IP Re-Allocation & Re-commissioning of the Existing Camera and Network Switches in the proposed system, including Works of OTDR Testing & rectification of any faults, including fiber splicing & pigtail as required in the Existing Optical Fiber cable backbone of the CUR Network & Works of Penta scanning & rectification of any faults in the	Job	1				

	existing Cat-6 cable LAN network, including repunching of I/O Modules & Patch Panels of the CUR network for existing CCTV system.						
27.	Works of Unified Video Surveillance System and CCTV Control room Re-Commissioning, Software configuration, Customization & user training Services with Integration of the Existing Active & Passive ITC LAN System with the proposed Solution.	Job	1				
28.	Supply and laying of Electrical works with 3 years onsite comprehensive warranty and maintenance support as per actual measurement/requirement 28.1) Supplying of 3 X 2.5 sq. mm PVC insulated and PVC sheathed / XLPE, copper conductor armored power cable of 1.1 KV grade	RMT	6000 (Tentative)				
	28.2) Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Nos.	60 (Tentative)				
	28.3) Supplying and fixing 20 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral.	Nos.	60 (Tentative)				
29.	Providing and carrying out Civil work including laying/excavation/digging work in all types of as per actual measurement/requirement with 3 years onsite comprehensive warranty and maintenance support 29.1) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required.(3 X 2.5 sq. mm)	RMT	4500 (Tentative)				

	29.2) Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on the existing poles/wall as required. (3 X 2.5 sq. mm)	RMT	1500 (Tentative)				
	29.3) Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Nos	60 (Tentative)				
30.	Resident one engineer (Skilled) for 3 years onsite maintenance support	Months	36				
	Grand Total (inclusive GST)						

Separate rate for Comprehensive onsite Maintenance (for 4th to 6th year, after expiring of 3 years warranty period) excluding manpower.

S. No.	Details	Rate of CMC (For 4 th year)	Rate of CMC (For 5 th year)	Rate of CMC (For 6 th year)

Separate rate for Annual Maintenance Contract (for 7th to 10th year, (i.e. after expiring of CMC period) excluding manpower.

S. No.	Details	Rate of AMC (For 7 th year)	Rate of AMC (For 8 th year)	Rate of AMC (For 9 th year)	Rate of AMC (For 10 th year)

Note:

1. I/We have gone through the entire terms & conditions as stipulated in the tender enquiry document and confirm to accept and abide the same.
2. No other charges would be payable by the University.

Authorized signatory of the company with seal.

(11)FORMAT OF PERFORMANCE BANK GUARANTEE

This guarantee should be furnished by a Nationalized Bank / Scheduled Bank, authorized by RBI to issue a Bank Guarantee.

This bank guarantee should be furnished on stamp paper of Rs. 100/-

The stamp paper should have been purchased in the Name of the Bank executing the Guarantee.

In the case of foreign bidder the B.G may be furnished by an international reputed bank acceptable to the PURCHASER countersigned by any Nationalized / Scheduled Bank in India authorized by Reserve Bank of India.

WHEREAS M/s, having it's registered office at hereinafter called the Distributor in India for

.....,herein after called "The supplier" for the supply of, in consideration of the Central University of Rajasthan, Department of....., School ofCentral University of Rajasthan, , Kishangarh (hereinafter called "CURAJ") P.O. No. CURAJ /.....Dated. Placed an order for the due fulfillment by the said supplier of the terms and conditions in the purchase order, on production of a Bank Guarantee for Rs..... (Rupees.....

..... Only). We Bank,.....(herein after referred to as "the Bank") at the request of supplier do hereby undertake to pay to the CURAJ an amount not exceeding to Rs..... (Rupees only).

1. We.....Bank do hereby undertake to pay CURAJ, the amounts due and payable under this guarantee without any demur, merely on a demand from CURAJ stating that the amount claimed is required to meet the recoveries due or likely to be due from the said supplier. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under the guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding to Rs.....(Rupees only)

2. We undertake to pay to the CURAJ any money so demanded notwithstanding any dispute or disputes raised by the supplier in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid and discharge of our liability for payment there under and the Supplier shall have no claim against us for making such payment.

3. We the Bank further agree that the guarantee herein contained shall remain in full force and affect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the CURAJ under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till Registrar on behalf of the CURAJ certified that the terms and conditions of the said Agreement have been fully and properly carried out by the said and accordingly discharges this guarantee.

4. We, the Bank further agreed that the CURAJ shall have the fullest liberty without our consent and without affecting in any manner our obligations here under to vary any of the terms and conditions of the said Purchase Order or to extend the time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the CURAJ against the said supplier and to forbear or enforce any of the Terms and Conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance act or omission on the part of the CURAJ or any indulgence by the CURAJ to the said supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

5. This guarantee will not be discharged due to change in the constitution of the bank or the supplier.

6. We, theBank lastly undertakes not to revoke this guarantee except with the previous consent of the CURAJ in writing.

7. This guarantee shall be valid up to unless extended on demand by CURAJ. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs /- (Rupees only).

Notwithstanding anything contained herein

1. Our liability under this bank guarantee shall not exceed Rs..... /-(Rupees Only)

2. Bank guarantee shall be valid up to

3. We are liable to pay the guaranteed amount or part thereof under this bank guarantee only and only if you serve upon us a written claim or demand on or before

Dated:

Signature & Seal of the Bank

.

(12)FORMAT FOR MANUFACTURER'S AUTHORIZATION LETTER TO AGENT

(On letter head)

Ref. No.

Date:

To

The Registrar,
Central University of Rajasthan,
Bandarsindri, Distt. Ajmer,
Rajasthan - 305817

Sub. : Tender for Supply, Installation, Testing and Commissioning of Wireless Outdoor CCTV Surveillance System and Unified CCTV Control Room with 3 years of Comprehensive On-site Maintenance Contract at Central University of Rajasthan.

Dear Sir,

We, _____, who are established and reputed manufacturers of _____, having factory _____ at _____, hereby _____ authorize M/s. _____ (name & address of Indian distributor / agent) to bid, negotiate and conclude the order with you for the goods manufactured by us.

We shall remain responsible for the tender/ Agreement negotiated by M/s _____, jointly and severely.

An agency commission of _____ % included in the FOB price is payable to M/s _____ . We hereby extend our full guarantee and warranty as per the terms and conditions of tender for the goods offered for supply against this invitation for bid by the above supplier.

1. _____
2. _____

(Specify in detail manufacturer's responsibilities)

The services to be rendered by M/s. _____ are as under:

- 1) _____
- 2) _____

(Specify the services to be rendered by the distributor / agent)

In case duties of the Indian agent/distributor are changed or agent/ distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Indian Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Agent/ distributor.

Yours faithfully,

[Name & Signature] for and on behalf of M/s. _____ [Name of manufacturer]

Note: MAF Format in the bid is just for reference. Bidder may submit the MAF Format in the prescribed format of OEM. University may get it verified from OEM.

(13)DECLARATION REGARDING BLACKLISTING / DEBARRING FOR TAKING PART IN TENDER.

I / We _____ Manufacture / Partner(s)/ Authorized Distributor /agent of M/S. _____ hereby declare that the firm/company namely M/s. _____ has not been blacklisted or debarred in the past by Union / State Government or organization from taking part in Government tenders in India.

Or

I / We _____ Manufacture / Partner(s)/ Authorized Distributor / agent of M/s. _____ hereby declare that the Firm / company namely M/s. _____ was blacklisted or debarred by Union / State Government or any Organization from taking part in Government tenders for a period of _____ years w.e.f. _____ to _____. The period is over on _____ and now the firm/company is entitled to take part in Government tenders.

In case the above information found false I / we are fully aware that the tender / contract will be rejected / cancelled by the Central University of Rajasthan, and EMD / SD shall be forfeited.

In addition to the above, Central University of Rajasthan, will not be responsible to pay the bills for any completed / partially completed work.

Signature with Seal

Name _____

Address _____

Attested:

(Public Notary / Executive Magistrate)

(14) CERTIFICATE OF GUARANTEE/WARRANTY

I/We certify that the guarantee/warranty shall be for a period of 36 months (as applicable) starting from the date of satisfactory installation, commissioning and handing over of the equipment and of the works conducted therewith covered under the Supply order in working order. During the guarantee/warranty period, I/we shall provide free “after sale service” and the replacement of any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee / warranty shall begin only from the date of satisfactory and faultless functioning of the equipment for 30 days at University premises. The benefit of change in dates of the guarantee / warranty period shall be in the interest of the user/your organization.

During the warranty period, we shall provide at least 02 preventive maintenance visits per year.

Uptime Guarantee: During the guarantee/warranty period, we will be responsible to maintain the equipment in good working conditions for a period 347 days (i.e. 95% uptime) in a block of 365 days.

- All complaints will be attended by us within 2 working days of receipt of the complaint in our office.
- In case there is delay of more than 2 days in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime. The above said response time of 2 days for attending to a complaint by us will not be counted in the downtime.
- Penalty: We shall pay a penalty equivalent to 0.50% of the FOB value of the equipment for every week or part thereof delay in rectifying the defect.

Note: The right to accept the reason(s) for delay and consider reduction or waive off the penalty for the same shall be at the sole discretion of University.

We certify that the equipment being/quoted is the latest model and that spares for the equipment will be available for a period of at least 10 years and we also guarantee that we will keep the organization informed of any update of the equipment over a period of 10 years.

We guarantee that in case we fail to carry out the maintenance within the stipulated period, University reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs/maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of Performance Bank Guarantee, the same shall be recoverable from us with/without interest in accordance with the circumstances.

We shall try to repair the equipment at University premises itself. However, the equipment will be taken to our site on our own expenses in case it is not possible to repair the same at University premises. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the University after repair. Any loss of equipment or its accessories under its charge on account of theft, fire or any other reasons shall be at our sole risk and responsibility which will be compensated to University for such losses.

We undertake to perform calibration after every major repair/breakdown/taking the equipment for repair out of University premises.

In case of extended guarantee/Warranty, we undertake to carry out annual calibration of the equipment .

We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.

We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.

We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Signature of Bidder

(Name)

Seal of Bidder Organization

(15) Technical specifications compliance Sheet

- a) The technical compliance bid must be in this sheet only, otherwise it should be assumed that bidder is not able to offer technically desired product. Information provided elsewhere or in different form will not be considered.
- b) All the columns of this sheet should be filled in compulsorily by the bidder, merely asking the office to refer catalogue or brochure will not be entertained.
- c) The bidder shall assume full responsibility of the information provided in this sheet. Any false statement should render the breach of basic foundation of the tender.

Name of Equipment / Instrument: Compliance Check list/ Table

S. No.	Technical specification	Features available in equipment write (yes/No)	Any deviation from specification	Corresponding page no. and S. No./ Para no. of datasheet catalogue/ brochure in support of specification (As provided with technical Bid)
	Technical Specification as per Tender document			
1				
2				
3				
4				
5				
6				
7				

INTEGRITY PACT

This INTEGRITY PACT is made and executed at.....on this day of.....20....

BY AND BETWEEN

THE PRESIDENT OF INDIA acting through Registrar (insert name & designation of the officer) of Central University of Rajasthan, Bandarsindri, Kishangarh-305817, Ajmer. (hereinafter referred to as "The Buyer" which term or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the First Part;

AND

M/s A company incorporated under the Companies Act,.....through its representative/authorized signatory (insert name & designation of the officer) vide resolution dated passed by the Board of Directors, having its office at (hereinafter referred to as "The Bidder/Contractor which term or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the Second Part.

PREAMBLE

The Buyer intends to award under laid down organizational procedures, contract/s for..... The Buyer values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s) and / or Contractor(s).

In order to achieve these goals, the Buyer will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Buyer

(1.) The Buyer commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

- a. No employee of the Buyer, personally or through family members, will in connection with tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Buyer will during the tender process treat all Bidder(s) with equity and reason. The Buyer will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder{s} confidential /additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. The Buyer will exclude from the process all known prejudiced persons.

(2.) If the Buyer obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Buyer will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/Contractor(s)

(1.) The Bidder(s)/Contractor(s) commit themselves to take all measures necessary to prevent corruption. The Bidder(s)/Contractor(s) commit themselves to observe the following principles during participation in the tender process and during the contract execution.

- a. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer promise or give to any of the Buyer's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to the others, any information or document provided by the Buyer as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d. The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India if any. Similarly the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign Buyer, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/ representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed at (page no. 6).
- e. The Bidder(s) / Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intend to make to agents, brokers or any other intermediaries in the connection with the award of the contract.
- f. Bidder(s) /Contractor(s) who have signed the integrity pact shall not approach the courts while representing the matter to IEMs and shall wait for their decision in the matter.

(2.) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

(17) Check list for Terms and Conditions:

To be filled by the bidder and submitted along with the Technical Bid.

S. No.	Technical Information	Page No.	Remarks
1.	Tender Fee, if applicable		
2.	EMD		
3.	Company/ Firm registration details		
4.	Authorization Certificate		
5.	Average Annual turnover of the bidder, for the last three successive years should be four times of the approximate cost of the equipment duly certified by the Chartered Accountants.		
6.	Experience		
7.	Income tax return (Last Three Years)		
8.	Audited balance sheet (Last Three Years)		
9.	Original Technical Catalogue of the quoted model and same should be available on the website		
10.	Compliance Statement with relation to the technical specification as mentioned in the bidding document duly supported by the original catalogue.		
11.	Self-declaration for not black listed		
12.	Clientele list (list of users) of quoted model of the items, attach couple of orders without any alteration/modification		
13.	Performance certificate of the same supplied machine (of quoted make and Model) from clients		
14.	Warranty & extended technical support certificate		
15.	Acceptance of all terms / conditions towards after sales / services as mentioned in the bidding document.		
16.	Certificate, to the effect that the bidder is not supplying the quoted item(s) to any other Govt. / Pvt. Organizations / Institutions at the rate lower than the rate quoted against this tender.		
17.	Certificate for 'Class-I local supplier' and 'Class-II local supplier'		
18.	Certificate for verification of local content		
19.	Integrity Pact		

End of Tender Document