

RAJA RAMMOHUN ROY MAHAVIDYALAYA

Radhanagar * Khanakul * Hooghly

West Bengal, Pin - 712406

NOTICE INVITING E-TENDER FOR SUPPLY AND INSTALLATION OF CCTV

Tender Ref. No.: 0056/2022-23

Dated: 04.11.2022

Online E-Tender is invited for **Supply and Installation of IP Based CCTV to the college campus** by the eligible venders. Interested venders may follow the instructions as given below for submission of their tenders under online mode:

General Instructions:

In the event of e-tendering, intending bidder may download the tender documents from the website: <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate (DSC).

Submission of bids:

Both Technical bid and Financial Bid are to be submitted concurrently duly digitally signed by the Company personnel who is in the payroll of the Company (having Authorization from the Company management) in the website <http://wbtenders.gov.in>. All papers must be submitted in English language.

Time Schedules for the e-tender:

The Time Schedule for obtaining the Bid Documents the submission of bids and other documents etc. will be as per the list provided in below.

DATE AND TIME SCHEDULE:-

Sl No	Particulars	Date & Time
1	NIT Documents download start date (Online)	10.11.2022, 6.00 p.m.
2	Bid proposal submission start date (Online)	10.11.2022, 6.30 p.m.
3	Bid proposal submission closing / end date	21.11.2022 up to 5.00 pm
4	Date and Time of opening of technical proposal (Online)	24.11.2022, from 11.00 pm
5	Date of uploading list for Technically Qualified Bidder (Online)	After evaluation of Technical Bid
6	Date of Place for opening of Financial Proposal (Online)	To be notified later on

Eligibility Criteria:-

1. The bidder should have their presence in West Bengal with own office. Valid Proof should be submitted along with the bid.
2. The bidder should have valid GST Registration Certificate, PAN & Trade License. Bidder shall have to submit photocopy of the documents.
3. The bidders shall not have been blacklisted by any University/State/Central Government of PSU organization or bilateral/multilateral funding agencies for breach of ethical conduct or fraudulent practices as on date of submission of the proposal. Declaration on bidder's letter head to be submitted.

EMD Amount:-

Amounting Rs. 5000/- has been decided as EMD amount to be deposited.

Application fee:

Amounting Rs. 500/- has been decided as Application fee for submitting tender.

Terms and condition of the Bidder:**1. Annual Turnover Requirements:**

Vender having average annual turnover for last three financial years is more than Rs. 10 lakh in India for the year 2018-19, 2019-2020 & 2020-2021 are eligible to participate in the tender.

2. All risks or lose or damage to public property / supply materials and or personal injury or death which arise during and in consequences of the performance of the contract are the full responsibility of the contractor. The contractor shall be responsible for the safety of all activities on the site.
3. Successful Tenderers should have to execute an Agreement with Principal, RAJA RAMMOHUN ROY MAHAVIDYALAYA in non-judicial Stamp Paper of Rs. 10 as per norms and should submit work programme accordingly after obtaining the Work Order within Seven Days effectively otherwise panel action will be taken by the of Principal, RAJA RAMMOHUN ROY MAHAVIDYALAYA.
4. The contractor should have sufficient technical manpower, tools and plants to complete the work.
5. **The Quoted/ Bid- rate shall include all types of charges and taxes (GST etc).**
6. No Mobilization Advance and Advance against purchase of equipments will be paid for the work/supply.
7. No Price / Cost escalation over the rate specified in the price schedule will be allowed.
8. No Secured Advance will be paid for the work under any circumstances.
9. No arbitration will be entertained.
10. Payment will be made by the Principal , RAJA RAMMOHUN ROY MAHAVIDYALAYA , on the basis of submitted bill.
11. Sub Contract: Raja Rammohun Roy Mahavidyalaya does not recognize the existence of Sub-contractors. The Contractor's responsibility is not transferable.
12. The Tender Committee reserved the right :-
 - i) To vary, modify, revise, amend or change any of the terms and conditions mentioned above and,
 - ii) To reject any or all the Tender/s without assigning any reason whatsoever thereof or to annual the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.
13. The college authority reserves all the rights to reject any Quotation / Bid without assigning any reason.

Submission of Tenders**General process of submission**

Tenders are to be submitted online through the website <https://wbtenders.gov.in> .All the documents uploaded by the Tender Inviting Authority form an integral part of the contract.

The Technical Bid should contain scanned copies and/or declarations in standardized format.

Related documents:

Sl. No.	Category	Sub-Category Description
1	Certificates	PAN Card of the Bidder
		GST Registration Certificate
		Manufacturing Authorization/ Manufacturing Certificate
2	Company Details	Trade License /Enlistment Certificate
3	Credential	Copy of the purchase order for supplying Similar nature of items at least for last 5years in reputed institutes/offices Brief User List preferably for users in West Bengal in an Institute of Higher Learning
4	Financial Information	Income Tax Returns submitted for the Assessment year 2019-20
		Income Tax Returns submitted for the Assessment year 2020-21
		Income Tax Returns submitted for the Assessment year 2021-22
		GST Return for January2022, February2022 and March 2022

Financial Bid

The Financial Bid should contain the following document in one cover (folder):

Bill of Quantities (BOQ): The tenderer should fill-up the designated cell as marked by the COLLEGE in the BOQ sheet.

The tenderers are not required to submit hard copies of Technical File (Statutory) or My documents (Non-Statutory). Submission of hard copy of Financial Bid is strictly prohibited and only be submitted through online through <https://wbtenders.gov.in>.

Evaluation of the tenders

During the tender evaluation process, the "Technical Bid" will be opened first. Those Bidders who have qualified in respect of the essential & other requirements in "Technical Bid" will be identified and their financial bid will be opened. The financial bid of those Tenderer failing to meet the technical & other requirements laid down in the tender will not be opened and be rejected. The Tenderer offering the item found suitable and as per the tender specifications will only be selected. Final selection of the lowest bidder in respect of Financial Bid is subject to further verification. The Financial Bids of only those tenderers who have been considered as Technically Qualified will be opened. If found suitable in the context of above prequalification etc, the Tenderer quoting the lowest rate will be considered as successful.

TERMS & CONDITIONS REGARDING PURCHASE POLICY OF TENDERING AUTHORITY:

Bid Information:

Bidder must quote in INR as given in the BOQ.

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

Evaluation of Quotation: The Purchaser will evaluate and compare the quotations determined to be substantially responsive stage wise. Firstly, Technical Bid will be evaluated based on and there after Price Bid for technically qualified bidders will be evaluated for selection of vender.

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

MANUFACTURER'S AUTHORISATION: Bidder must provide Tender specific OEM Authorization for IP based CCTV Camera and NVR.

Credentials: Documents of supplying similar items in last two financial years in an Institute of Higher Learning must be submitted along with the tender. Bidder must submit User List with Copy of Purchase Order ensuring sale of similar items in reputed institutes/offices in last five financial years.

Make & Model: Bidder must mention Make and Model in the Information Sheet as given vide Annexure-II and must send the product details/catalogue/brochure in the "**Technical Details**" folder along with Technical Compliance Sheet for each item component.

Time Schedule: The supply and installation work must be completed within 30 days from the date of receipt of the work order.

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

Payment Schedule:

Payment will be made by the tender authority after successful completion of the said work.

OEM Eligibility Criteria

1. The OEM should have its own factory in India. The OEM should produce India factory license in its own name. OEMs getting their products manufactured by a third party manufacturing company will not be considered eligible. Documents with local BIS to be presented, and OEM name or India company name and India factory address registered in the name of OEM to be presented as proof.
2. All systems and components must be in compliance with CE, FCC, and BIS India certifications. These certificates should be specific for the exact model number of the product, and should not be generic in nature. These certificates should not be offered for a whole series of a product category.
3. The OEM as per BIS should offer ISO 9001:2015, ISO 14001:2015, ISO 45000: 2018 for their manufacturing process.
4. The OEM as per BIS should offer CMMI Level 3 Certificate or higher for their performance across critical business capabilities.

The OEM as per BIS must adhere to various data security and computer systems standard outlined in Federal Information Processing Standards (FIPS).

6. The MAC address of the cameras must be registered in the name of OEM. If the MAC address does not match, it means that the device is not created by the original manufacturer, its only an assembling or a labelling which has been done, and such party shall be immediately rejected.

7. The OEM as per BIS should have a dedicated online CCTV support call centre operational during working hours and a fully equipped repair and maintenance office in India.

8. The offered Cameras, Video Recorders, Video Management Software preferred to belong to the same OEM to ensure seamless integration and better support.

9. The OEM should have the presence of a local branch office and a local service centre within the city since the last ten years from the date of the Tender. This is essential such that the local service team is readily available for any emergencies.

10. The OEM should have a direct presence in the state and not via any third party distributor or system integrator.

Technical specification.

IP BULLET CAMERA-(25NOS) Make-HIKVISION

Sl. No.	<u>Technical Specification :</u>	
1	Image Sensor	1/2.7" Progressive Scan CMOS
2	Min. illumination	Color: 0.005 Lux (AGC On), 0 Lux with IR
3	Preferred recording Resolution	2MP (1920x1080) @ 25fps
4	Day & Night	IR Cut Filter
5	Shutter speed	1/3 s to 1/100,000 s
6	Lens	4mm / 6mm (as per site requirement)
7	IR range	min. 40m IR or higher
8	Streaming Type	Should Support Three streams
		Main : 25fps (1920×1080, 1280×960, 1280×720)
		Sub : 25fps (640 × 480, 640 × 360)
9	Video Compression	H.265,H.264
10	Image Enhancement	BLC,3D DNR, 120dB WDR
11	Image settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
12	Day/Night Switch	Auto, scheduled, day, night
13	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP QoS, UDP
14	Analytics	Line crossing detection, intrusion detection, Motion detection, video tampering
15	Ethernet Port	1 x RJ45 10M/100M Ethernet port
16	Power Supply	DC12V, PoE (802.3at /af)
17	Operating Conditions	-30° C ~ + 60° C
18	Ingress Protection	IP67 Ingress Protection
19	Certifications	CE/ FCC/BIS

amera & NVR should be from same OEM for smooth integration.

32-Channel Network Video Recorder (NVR) with 2-HDD slot (1NO)Make-HIKVISION

Sl. No.	Feature	Specification
1	Operating System	Embedded LINUX
2	IP Camera Input	32channels
3	Two-way Talk	Should Support
4	Display Interface	1-HDMI, 1-VGA output for viewing
5	Display Resolution	HDMI (4K) : 3840×2160, 1920×1080, 1280×1024, 1280×720
		VGA : 1920×1080, 1280×1024, 1280×720
6	Network Throughput	Incoming Bandwidth: 256Mbps Outgoing Bandwidth: 160Mbps
7	Recording Video Compression	H.265+, H.265, H.264+, H.264
8	Recording Resolution	8MP, 6MP, 5MP, 3MP, 1080P, 720P, 4CIF
9	User Interface	GUI
10	Sync Playback	1 / 4 / 16
11	Smart Phone	It should support remote monitoring over iPhone, iPad, Android Mobile.
12	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
13	Backup Mode	USB Device/Network
14	Hard Disk	2 SATA ports with support minimum 8TB Surveillance Grade Hard disks each.
15	Network Ethernet	1 x RJ-45 ports (10/100/1000Mbps)
16	USB	1x USB2.0 ; 1x USB3.0
17	Alarm interface	4-in / 1-out
18	Power Supply	AC 100V~240V / 12VDC
19	Power Consumption	<15W (without HDD)
20	Working Environment	-10°C~+55°C / 10%~90%RH
21	Certification	CE/FCC/BIS
Camera & NVR should be from same OEM for smooth integration.		

4-port Unmanaged Network PoE Switch (7NOS)Make-HIKVISION

Specification :	
Ports	4 × 10/1000/1000M PoE ports
	1 × gigabit RJ45 port
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z
Forwarding mode	Store-and-forward switching

MAC address table	2 K
Switching capacity	10 Gbps
Internal cache	1 Mbits
Packet forwarding rate	7.44 Mpps
PoE standard	IEEE 802.3af, IEEE 802.3at
PoE power budget	60 W
Max. power consumption	65 W
Surge Protection	PoE port with 6 KV surge protection.
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)
humidity	5% to 95% (no condensation)
Power supply	100 to 240 VAC, 50/60 Hz

8-port Unmanaged Network PoE Switch (1NO)Make-HIKVISION

Specification :	
Ports	8 × 10/1000/1000M PoE ports
	1 × gigabit RJ45 port
	1 × gigabit SFP fiber optical port
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z
Forwarding mode	Store-and-forward switching
MAC address table	4 K
Switching capacity	20 Gbps
Internal cache	1.5 Mbits
Packet forwarding rate	14 Mpps
PoE standard	IEEE 802.3af, IEEE 802.3at
PoE power budget	110 W
Max. power consumption	120 W
Surge Protection	PoE port with 6 KV surge protection.
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)
humidity	5% to 95% (no condensation)
Power supply	100 to 240 VAC, 50/60 Hz

- UTP Cat6 Cable (950MTRS)Make-HIKVISION

Specification :	
Unshielded Twisted 4-Pair Copper (UTP) cable of Category 6 (CAT6)	
Conforming to ANSI/TIA-568-C.2, ISO/IEC11801	
Material	Solid-Bare Copper.
Insulation	HDPE (high density Poly Ethylene)
Sheath	PVC, RoHS compliant
Conductor	Bare copper with Min. 99.9% pure
Core	23AWG
Electrical Characteristics (20°C)	DC Resistance (Ω/100m) ≤ 9.3
Packaging Length	305m

2U RACK WITH ALL ACCESSORY (8NOS) Make-DAHUA

4U RACK WITH ALL ACCESSORY(4NOS) Make-DAHUA

**1KVA UPS FOR NVR,POES & MONITOR WITH BATTERY & MICRO PROCESSOR
CONTROL POWER BACKUP AND PROECTION(1NO)Make-Microtech**

4TB HDD FOR 1 MONTH BACK-UP IN C MODE(2NOS) Make-SATA/SEAGATE



Principal

Raja Rammohun Roy Mahavidyalaya

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