

**DAYALBAGH EDUCATIONAL INSTITUTE
DAYALBAGH, AGRA-282005**

Short Notice Inviting tenders

Short Term Limited tender No: DEI/SC/Phy&Comp/CMM/2018-19/TDR-64

Date: 11-3-2019

Sealed tenders are invited from the Suppliers/Authorized dealers/OEM for the **UGC-ODL Control Room in DEI Central Examination Department:**

Specification of Items		
S.No.	Item Description	Quantity
1	UGC-ODL Control Room in DEI Central Examination Department	1

The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs. 1.6Lakhs/-** by way of demand drafts/banker's cheque/FDRs which is refundable and a non-refundable tender fee for an amount of **Rs. 200/- (Rupees two hundred only)** by Cash or Demand draft. The demand drafts shall be drawn in favour of "**Registrar, Dayalbagh Educational Institute, Agra**" payable at Agra. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the bid documents addressed to:

**"The Registrar
Dayalbagh Educational Institute,
Dayalbagh, Agra – 282005,
Uttar Pradesh"**

Note: Central Purchase Organization, Small Scale Industries/ National Small Scale Industries Corporation shall be exempted from payment of Earnest Money Deposit. Tenderers seeking exemption should enclose a self attested photocopy of valid registration certificate with NSIC.

(The Earnest Money will be liable to be forfeited if quotation is not honored or if contract is not signed with the Institute, after the award is made to the Tenderer)

1. Time and last date of submission of the Bid: 03.00 pm on 25.3.2019
2. Time of Bid Opening: 03.30 pm on 25.3.2019
3. Venue of Bid Opening: Conference Hall , CAO, Dayalbagh Educational Institute in the presence of bidders who want to be present at the time of opening of bid.

Interested bidders may post (at the above address) or put the tender documents completed in all respect and other requisite documents in the tender box kept in the General Section, CAO, Dayalbagh Educational Institute, Dayalbagh, Agra- 282005. The bidders are also informed that they may come personally or send their representative to be present at the time of opening of bid. Please note that tender box shall be opened at the time mentioned above irrespective of whether bidders himself or any of their representative are present or not. The tenders shall not be entertained after this deadline under any circumstances what so ever. For more details please visit the Institute's website <http://www.dei.ac.in>. or contact Prof. C. M. Markan-9557790100

**Registrar
Dayalbagh Educational Institute
Dayalbagh, Agra**

General Terms & Conditions

Note: Bidders must submit the following primary information/documents with the quotation. Bidders will have to indicate these particulars in their quote failing which the offer may be rejected. Please do produce the related documents whenever required by the Institute.

1. Trade License/Company Registration No.
2. Goods / Service Tax Regn. No.
3. Income Tax PAN No.
4. Firm's Bank A/c details
5. The bid is to be submitted in TWO Bid Pattern i.e Technical Bid and Price Bid in **Two separate sealed covers/envelopes**.
6. Bidders are requested to quote rate(s) per unit(s) only in the recognized Accounting units otherwise your quotation will not be accepted.
7. Cost of items shall include installation, support and troubleshooting.
8. Warranty and Support: for Hardware and Software should be explicitly mentioned.
9. Bidders should be OEM/Authorized partner/Authorized dealer of OEM.
10. Bidders should quote rates as per details/specifications mentioned in notice inviting Tender. The Institute reserves the right to place order for each job to single/separate vendor(s) if necessary.
11. Bidders should quote rates on FOR/Free Delivery at the sites specified in the Notice inviting Tender, inclusive of all charges else should mention estimated cost of packing, forwarding, insurance and freight by Rail/Road/Post etc. as the case may be.
12. Bidders must indicate if their rate is inclusive of Taxes.
13. In case opening date of Tender happens to be holiday, tender will be received and opened on the next working day at the same time and same place. Quotation received after the closing date will not be entertained and revision in the price will render the bid invalid. Quotation should indicate clearly the period of Validity, preferably not less than 45 days.
14. In case of an offer for items having multiple options, you should clearly indicate item-specific price(s). Please quote separate item-wise rate(s), when quotation has been asked for so. For every offer, packing and forwarding charges, Goods & Service Tax etc. should be shown separately.
15. Bids will be evaluated after equated comparison of offers upon calculating all tax/duty/cess/surcharge/discount/packing/transportation costs, other charges with price and non-compliance of technical and commercial terms will render a bid liable for rejection.
16. Bidders will have to submit Bills/Invoices on dispatch of stores, if ordered, to this office in triplicate duly pre-receipted (and stamped for amount over Rs. 5000/-) and supported by the relevant delivery documents for audit and payment directly in your bank account through RTGS/NEFT. Generally, payments can be expected within one month and are made against acceptance of supplies/ jobs completed and in deserving cases, against shipment documents.

17. No insurance charges are allowed unless otherwise specified and agreed to by us. In the absence of any specific instructions, it will be the responsibility of the supplier to ensure a consignment against transit risk at his own expense if he so desires.
18. The Institute is not bound to accept the lowest rate or any other offer and the acceptance of the offer is entirely at the discretion of the Committee.
19. All purchases are subject to the approval of the Governing Body of the Institute.
20. The Institute reserves the right to select certain items in single or multiple units and reject the others or all as mentioned in the schedule and to revise or alter the specifications before acceptance of any tender and accept or reject any or all tenders, wholly or partly or close the tender without assigning any reason whatsoever.
21. The Bidder shall be required to submit the amount of **Earnest Money Deposit (EMD)** mentioned in the Notice Inviting Tender which is refundable and a non-refundable **Tender Fee** for an amount of **Rs 200/-** (Rupees two hundred only) by way of demand drafts/banker's cheque/FDRs. The demand drafts shall be drawn in favour of "**Dayalbagh Educational Institute, Agra**" payable at **Agra**. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the bid.
 - a.) The firm(s) that are registered with the National Small Industries Corporation (NSIC) / or Small-Scale Industries (SSI) are exempted from furnishing the EMD. Self-attested photocopy of the valid registration certificate must be enclosed with their bid.
 - b.) The demand drafts for EMD & tender fee must be enclosed in the envelope containing the technical/price bid and super-scribed with tender number and due date of submission on it. Any technical/price bid is found without the demand drafts of EMD and tender fee will be rejected. The Institute will not be liable to pay any interest on such an amount. The EMD shall be forfeited, if the Bidder withdraws its bid during the period of validity of Tender.
22. Arbitration and Laws: In case of any dispute or difference arising out of or in connection with the tender conditions / order and Contract, the Institute and the Supplier will address the dispute / difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute. The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Agra only. The resolution of the Arbitrator shall be final and binding on both the parties.
23. Jurisdiction: The courts at Agra alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this tender /contract. It is specifically agreed that no court outside and other than Agra court shall have jurisdiction in the matter.
24. Excise Duty: The Institution is exempted from payment of Excise Duty under notification No.10/97 – Central Excise dt. 01.03.97 issued by Ministry of Science & Technology, Govt. of India. Hence, the offer shall be submitted accordingly incorporated the Integrated Tax(GST).

25. Customs Duty: In case of Imported Items, please note that we are exempted from payment of Customs Duty in terms of Notification No.51/96-CUSTOMS dated 23.7.1996 as amended from time to time. Issued by Ministry of Science & Technology, Dept. of Scientific and Industrial Research, Government of India, we are eligible for concession of Custom duty.

Registrar, DEI

Sub: Supply, installation and maintenance of Biometric & CCTV in the Distance Education Centers across India

Dayalbagh Educational Institute, Dayalbagh, Agra 282005 invites sealed tenders two bid system i.e. Technical Bid and Financial bid distinctly marked from Manufacturers and/or Authorized dealers of Biometric and CCTV with standalone Network Video Recorder (NVR) with proven capabilities in supply, installation, commissioning and maintenance of Biometric and CCTV with standalone Network Video Recorder (NVR) at our identified Distance Education Centers across India. Setting of Control Room at Head Office at DEI Agra with capability to audit the biometric and video records of individual Distance Center in Real-time and offline.

The scope of the work would cover supply, installation, training and handing over of all materials implementation, integration and maintenance of required Hardware and Software for Biometric and CCTV with standalone Network Video Recorder (NVR) at 100 Distance Education Centers of DEI across India and Setting of Control Room at Head Office at DEI Agra.

Only those bidders, satisfying the eligibility criteria as mentioned herein below need, respond.

Eligibility Criteria for Vendors/OEM of Security Equipment

1. All the CCTV/Biometric Products should be from listed among TOP 5 brands as per latest IHS India.
2. The CCTV/Biometric brand should have existence in India since last 10 years.
3. All the Cameras, CAT-6 Cables and NVR, VMS should be from same OEM for seamless integration and ease of operation.
4. Brand for Camera/NVR should have its own company registered in India (under Incorporation of Companies Act, 1956/ 2013) since over 10 years. Any representation through a Dealer/ Distributor/ Joint Venture/ consortium/ Subsidiary shall not be treated as OEM. This must be supported by necessary statutory documents.
5. The CCTV/Biometric OEM should have its registered office and service/ support center in City/State of installation. Required sales, service tax number/ certificate to be provided along with the bid.
6. The CCTV/Biometric OEM should have a Call Centre with Toll free number in India with service/support team of not less than 50 engineers with ESI/PF registration.
7. OEM Brand for Camera/ NVR / Biometric shall be a profitable company for last 3 years. Proof of such document is to be provided along with bid.
8. The company should have an average turnover of Rs. 100 Crores during the last 3 Financial Year ending 31st March 2018.
9. The MAC address of the IP cameras must be registered in the name of OEM supplying the cameras.
10. All systems and components must be in compliance with CE, FCC and UL certifications. The camera models should conform to ONVIF (S) standards and should also be listed in the ONVIF website.

Copies of the UL certification and ONVIF compliant certificates indicating the make and Models of the Cameras offered should be submitted.

1. Eligibility Criteria of bidder in detail

1.1 The bidder should be original manufacturer of product or their authorized representative. In case of authorized representative, a letter of authorization/ dealership to this effect from original manufacturer must be furnished. This letter should specify that in case authorized representative is not able to provide support/upgrade during contract period, original manufacturer should provide same.

1.2 The bidder should be a profitable company for last **3** years. Copies of annual reports and audited balance sheet for the last three years.

1.3 The bidder should have the experience of supply, implementation, integration and maintenance of Biometric & CCTV with standalone Network Video Recorder (NVR) at least for last 5 years in India. Documentary proof should be provided in support of experience like order copy/contract copy/certificate from customer.

1.4 The bidder should have deployed Biometric & CCTV with standalone Network Video Recorder (NVR) preferably in Public Sector Undertaking/Public Sector Institution in India.

Documentary proof should be provided in support like order copy/contract copy/certificate along with customer satisfaction to be enclosed.

1.5 The responses to this advertisement must be complete and comprehensive with explicit documentary evidence in support of all the eligibility criteria mentioned herein above (copies of Purchase Orders / Installation Certificates/ Auditor's certificates etc.)

1.6 The bidder should have well equipped after sales service centre in India with requisite spare parts etc. preference shall be given to the Manufacturers whose plant have ISO 9001 series or equivalent Certificate for quality Management.

1.7 The OEM or their authorized representative should have never been blacklisted by any other public sector bank.

1.8 The specifications given in Appendices are the minimum requirement. Specifications on the higher are acceptable with minimum cost. Specifications lower than the prescribed shall not be acceptable.

2. Document to be submitted:

Bidders who wish to respond to this advertisement should submit the information supported by the following documents: -

2.1 Client-wise present installed base of Biometric & CCTV with standalone Network Video Recorder (NVR) with supporting documents.

2.2 Copy of agreement or any other legal document between the manufacturer and the bidder where the former has authorized the latter to sell and service its products.

(Incomplete responses without the required documents are liable to be cancelled)

2.3 Vendors are required to specify Make and Model of all the equipments quoted for. Technical Literature/brochures regarding the products should invariably be provided alongwith technical part of the bid.

2.4 Vendors are requested to submit sealed tender in envelope super scribed" **TENDER FOR INSTALLATION OF BIOMETRIC & CCTV SYSTEMS"** and this envelope should contain two separate envelopes super scribed as detailed below: -

ENVELOPE NO 1: Technical Bid

ENVELOPE NO 2: Financial Bid/ or Commercial Bid

2.5 Rates have to be quoted in figures as well as in words, and in case of discrepancies between the prices written in words and figures, the price written in words shall be considered as correct.

2.6 The tenderers shall submit their offers strictly in accordance with the terms and conditions of the Tender Document. Any tender that stipulates conditions contrary to the conditions given in the tender document shall be liable for rejection.

2.7 All the documents attached to the tenders in original in two separate envelopes duly signed, stamped and sealed should reach to "**Office of Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra 282005**" latest by 3.00 PM on 10.2.2019. The Technical bids will be opened on 10.2.2019 at 5.00 PM. Those who qualify the technical parameters will only be eligible for opening of their Financial bids and finalization of the process.

2.8 The DEI reserves the right to accept/ reject any or all offers submitted in response to this notice without assigning any reason whatsoever. The DEI further reserves the right to issue Request for Proposal (RFP) to vendors it deems eligible and qualified based on the evaluation of the responses received. The unsealed tenders and tenders incomplete in any respect will be rejected out rightly.

Office Superintendent, CAO, Dayalbagh Educational Institute

Annexure A
PART I - GENERAL & TECHNICAL INFORMATION-
TECHNICAL BID (Company Profile)

Sl. No.	PARTICULARS OF THE COMPANY	
1	Name of the Company	
2	Full Address	
3	Telephone & Mobile No.	
4	Fax No.	
5	E-Mail Address	
6	Constitution of the firm (whether Proprietary / Partnership / Pvt Ltd. / Public Ltd.	
7	Name(of the Proprietor / Partner / Managing Director	
8	Year of Establishment	
9	Registration with the Registrar of Co.	
10	Name(s) of Contact Person (s) with address	
11	Registration with Tax Authority a. PAN No. b. GST No. Attach latest IT Return filed copy & ST Return filed copy.	
12	Furnish copies of audited Balance Sheet and Profit & Loss Account for the last 3 years.Turn over 2006-07,2007-08 and 2008-09	
13	Name & address of the Banker, Nature of facilities availed (if any) (Attach Banker's opinion letter on the conduct of the account.	
14	Whether vendor for Nationalized Banks / Govt Institutions	
II.	DETAILS OF REGISTRATION WITH OTHER PSU / Govt. Institution	
1.	Name of the PSU / Govt. Institution	
2.	Total No. of Systems supplied	
3.	Since when associated	

Place :

Annexure A

PART II

TECHNICAL BID (PRODUCT PROFILE)

1	Certification whether the system conforms to I.S / ISO 9001 / EN29001, QUALITY SYSTEM				
2	Whether Biometric & CCTV products quoted are UL approved				
3	Biometric & CCTV equipment make:				
6	Whether MTBF for camera with all accessories, NVR, Monitor submitted by the manufacturer.				
7	Warranty period offered for the system				
8	Number of systems so far supplied to PSU				
9	Attach performance certificates from the existing users.				
10	LIST OF ORDERS EXECUTED IN LAST THREE YEARS				
	ORDER DETAILS				
Sl. No.	Name of the PSU	Date of installation	Amount	Type of system	No. of Systems

Order copy should be enclosed:

	TURNOVER DURING THE LAST THREE YEARS	
Sl. No.	Year	Amount
1		
2		
3		

DETAILS ABOUT SERVICE NETWORK						
25	Sl. No.	Location of the service centre	Status of the office	No. of Engineers / persons	Area handled by the office	Name of the Contract person /address/phone

Place :

Date :

AUTHORISED SIGNATORY

Annexure A
PART –III
TECHNICAL SPECIFICATIONS FOR SUPPLY &INSTALLATION OF NVR BASED
CCTV & BIOMETRIC SYSTEM

*only listed brands like Axis, Pelco , Bosch , CP Plus , Hikvision , Vivotek, HP ,Dell, Milestone etc.

Sl. No.	Items	Technical Parameter	Compliance
1	NVR Stand Alone	<ul style="list-style-type: none"> • MODEL: NVR for (4 Ch) • MODEL: NVR for (8 Ch) • Up to 8 MP resolution • Two-way audio - 1 channel Input, 1 channel Output, RCA • Incoming bandwidth 80 to 250 Mbps • Recording resolution - Max 80 to 250 Mbps, 8MP/6MP/5MP/4MP/3MP/1080P/720P/ D1&etc. • Display Resolution : 1-ch, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz • Network management - TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS • Compression: H.265/H.264 • Motion Detection MD Zones: 396(22×18) • Hard disk - SATA or SAS 1 SATA interfaces • Hard Disc; capacity: 1 SATA III ports, up to 6TB • Trigger events: Alarm In, Audio detection, Motion Detection, Trip-zone, Tampering, Video loss 	
2	4 MP IR Dome IP Camera with WDR	<ul style="list-style-type: none"> • 4 Megapixel High Resolution • Minimum Illumination 0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on) • Privacy Mask supportable • Video Compression H.265+/H.265/H.264+/H.264 • Digital Zoom 4x • IP67 & IK10 Rating • IR Range: Up to 30m • 1/3” 4MP Progressive scan CMOS • Lens 4mm • Bit Rate H.265: 12K ~ 8448Kbps , H.264: 32K ~ 10240Kbps • Effective Pixels 2560 × 1440@20fps • Shutter Speed Auto/Manual, 1/3(4)~1/100000s • S/N Ratio More than 45dB • Back Light Comp. BLC / HLC / WDR(120dB) • Video Streaming Main Stream: 4MP(1 ~ 20fps)/3MP(1 ~ 25/30fps),Sub Stream: D1/CIF(1 ~ 25/30fps) • Protocol HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP; DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP; Bonjour;802.1x;Multicast;ICMP;IGMP;ONVIF, PSIA, CGI 	
3	4 MP IR Bullet IP Camera with WDR	<ul style="list-style-type: none"> • 4 Megapixel High Resolution • Minimum Illumination 0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on) • Video Compression H.265+/H.265/H.264+/H.264 • ROI Off / On (4 Zone) • IP67 Rating • IR Range: Up to 30m 	

		<ul style="list-style-type: none"> • 1/3" 4MP Progressive scan CMOS • Lens VF 2.8~12mm • Bit Rate H.265: 12K ~ 8448Kbps , H.264: 32K ~ 10240Kbps • Effective Pixels 2688(H) x 1520(V) • Shutter Speed Auto/Manual, 1/3(4)~1/100000s • S/N Ratio More than 50dB • Back Light Comp. BLC / HLC / WDR(120dB) • Video Streaming Main Stream: 4MP(1 ~ 20fps)/3MP(1 ~ 25/30fps),Sub Stream: D1/CIF(1 ~ 25/30fps) • Protocol HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour;802.1x;Multicast;ICMP;IGMP;ONVIF, PSIA, CGI 	
4	8 Port POE Fast Ethernet Switch	<ul style="list-style-type: none"> • PoE ModeEnd-span • 8Port PoE • Relatively Operating Humidity5%-95%(Non-condensing) • Switch Capacity1.8Gbps • Uplink Ports1 x 10/100Base-TX Ethernet Ports • Buffer768k • Rate:10Mbps(Downlink Ports) • PoE Output Single PoE Output≤30W(54V DC), Whole machine PoE output≤60W • Power Consumption5W • PoE Power Supply1/2(+),3/6(-) • PoE Standard802.3af/at(PSE) • Power SourceDC 48V~57V • Downlink Ports8 x 10/100Base-TX Ethernet Ports(4 Ports PoE) • Exchange Capacity storage & Forwarding • ESD Protection Contact discharge 6K, Air discharge 8KV, Per: IEC61000-4-2 • Packet Forwarding Rate1.34 Mpps • Operating Temperature- 10°C~ 55°C • MAC Address List2K 	
5	Fingerprint Time Attendance Machine	<ul style="list-style-type: none"> • Display Size2.4" TFT Color LCD • CombinationFP+Card, Pin+Card, FP+Pin+Card • Card User1000 • Attendance record100,000 • Password user1000 • Identification Mode1:N, 1:1 • Fingerprint SensorOptical Sensor • Fingerprint Capacity 1000 • BatteryBuilt-in (2~3 hours) • Power SourceDC9 	
6	Hard Disk	<ul style="list-style-type: none"> • 10TB NL HDD SAS 12Gb/s • 4TB HDD surveillance SATA 6Gb/s • 2 TB HDD surveillance SATA 6Gb/s 	
7	Recording Server& Management Server	<ul style="list-style-type: none"> • Processor2 x Xeon Silver 4110 2.1G, 12Core/16T, 9.6GT/s, 11M Cache • Chipset Intel C620 • Internal interconnect9.6 GT/s OR Higher • Memory Server should support upto 512GB RAM , Configures with minimum 32 GB RDIMM DDR4 scalable • Disk Drive Bay / HDD size up to 4 x 3.5 SAS/SATA HDD or Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 4 NVMe SSD or higher capacity Hot Swapable HDD (Data) & Disk should be in KYD (Keep your Disk) warrenty Support & Additional Hardware Raid • RAID Controllers 12 Gbps Hardware 8GB Cache RAID Controller (RAID levels 0, 1, 5, 6; & RAID spans 10, 50, 60) • 10 Network Ports 4 x 1GE Ports also support OCP 2 x 10 GE SFP+ or BaseT or 2 x 1GE at Network Daughter Card • 11 Hard Drives 2x 600 GB 15K RPM HDD or better • 12 Storage Connectivity Dual Port 16GB FC HBA 	

		<ul style="list-style-type: none"> • Slots Support Up to 2 PCIe Gen3 slots • Interface Minimum: 1 Serial, 1 VGA Graphic, 2 USB Ports or higher • Power Supply Server should be provided with Redundant hot swappable Power supplies. The Power supplies should be FCC class A certified • FAN Server should have redundant fully populated Hot swap fans • Optical Drive Internal DVD R/W • Form Factor Rack • Operating System Microsoft Windows 2016 64 bit • Security TPM 1.2/2.0 optional , OEM certified signed firmware , Hardware root of trust • Remote Management capabilities It shall be possible to manage the server hardware and software components remotely. • It shall be possible to power on/off and boot the system remotely; • Server Management Software The Systems Management software should provide Role-based security. Should provide Pre-failure warning for – <p>• CPU</p> <ul style="list-style-type: none"> • Memory • HDD. <p>Server Power Supply, Hot plug redundant AC Power supplies Warranty 3 Years 24 x 7 Telephonic Support & Part Replacement on Next Business Day</p>	
8	Workstation	<ul style="list-style-type: none"> • Processor 1 x Xeon Silver 4110 2.1G, 6Core/16T, 9.6GT/s , 11M Cache • Memory 32GB (2x16GB) 2666MHz DDR4 Memory • DIMM Slots 4 DIMM slots; Non-ECC dual-channel 2666Hz DDR4 SDRAM • Chipset Intel® Q370 Chipset • Hard Drive 250TB SSD and 1TB SAS HD Drive • Network Ports 2x 1G Copper Ports • Graphics Card NVIDIA GeForce® GTX 1050, 4GB (DP/HDMI/DL-DVI) • Warranty 3Yr Onsite Service • 4 USB-3 Ports" • Temperature Conditions High heat tolerance up to 45° C • Regulatory and Environmental Energy Star, ETPA, TCO Certified, RoHS, CE 	
9	Video Management Software	<ul style="list-style-type: none"> • CVMS should support Server-Client architecture . License based software as per requirement • CVMS Automatically discover online network cameras. • To Ensure openness of CVMS, it should support ONVIF Cameras. • CVMS should be Linux/windows based. • Video storage device and video management system are located on independent motherboards to strengthen the stability of the server • CVMS should support ANR technology, and N+1 hot spare system for video storage device to enhance the reliability • CVMS should support RAID for video storage device. • CVMS should support multiple types recording schedule for the connected cameras • CVMS support Event settings for camera, POS terminal, alarm input, device, server, • and view the alarm information • CVMS should follow below points: • Allow live view, PTZ control, manual recording, auto-switch, and other operations of the connected cameras • Normal playback, event playback, synchronous playback, fisheye playback, POS playback, and VCA playback are selectable • Display people counting and heat map statistics • Business intelligence module for transforming raw event data into useful information • Web Manager, Control Client, Web Client and Mobile Client available for system management 	

		<ul style="list-style-type: none"> • Manage role and user permission • Active directory integration • Number of Connected Mobile Terminals: 64 or higher • Number of Connected Alarm Inputs/Output per System: 1024 Unlimited users • upto 100 PTZ Control Permission Levels Alarm & event management etc. 	
10	NAS	<p>Up to minimum Usable space of 240 TB output in RAID6 (installation and commission)</p> <ul style="list-style-type: none"> • Storage server should support Up to 16 SATA hard disks and expandable up to 240 TB storage • For storage expansion 1 miniSAS can be connected, for data storage (for video storage device) and N+1 • Support 300 cameras & third party manufactures like AXIS, PELCO, Bosch, Panasonic etc... • Directly store the video files on the hard disks of the server without need to install an extra storage server • Database backup and restore • Incoming bandwidth 600 Mbps to higher Storage device should be capable to handle • Storage device support RAID 0, RAID 1, RAID 5, RAID 10. • It should support redundant power supply • storage device should support multi-ethernet ports 10/100/1000Mbps • 19-inch rack-mounted 3U chassis • temperature 0°C to +40°C (32°F to 104°F) 	
11	Monitor	<ul style="list-style-type: none"> • 21" TFT Monitor Branded SAMSUNG/ DELL/Hikvision/ HP/CP Plus 	
12	Cat6 Outdoor cable	<ul style="list-style-type: none"> • Unarmored Cat6 Outdoor cable /AMP/Hikvision/D-Link/CP Plus 	
13	Power Cable	<ul style="list-style-type: none"> • 3 Core 75 sq.mm unarmored power cable with copper conductor cable as required 	
14	PVC Conduit pipe and installation	<ul style="list-style-type: none"> • ¾ PVC Conduit Pipe along with accessories in surface/ recess including cutting the wall and making good the same and installation done by the vender side and commotions by the Institute committee. 	
15	UPS	<ul style="list-style-type: none"> • 1KVA UPS at least 4 hrs. Backup (APC) 	
16	Installation and five-year maintenance	<ul style="list-style-type: none"> • IP Cameras, NVR, UPS, Biometric, Network and power cables. 	

ANNEXURE -B**PRICE BID/BILLS OF MATERIAL FOR SUPPLY & INSTALLATION OF BIOMETRIC & CCTV SURVEILLANCE SYSTEM WITH NVR RECORDER**

Sl. No.	Item description	Qty.	Unit Rate	GST	Price With GST	Other Taxes, if any	Total* Amount (Rs.)
1	NVR Stand Alone	4 ch-1 8 ch-1					
2	4 MP IR Bullet IP Camera	1					
3	4 MP IR Dome IP Camera	1					
4	2TB Hard Disk	1					
5	240TB NAS (Usable)	1					
6	Monitor	1					
7	PoE Switch- 9 Port Fast Ethernet Switch with 4 PoE Port	1					
8	24 Port PoE L2 Switch	1					
9	Server	1					
10	Workstation	1					
11	Channel License for VMS	1					
12	Management License for VMS	1					
13	Cat6 Outdoor cable	300m					
14	Power Cable (In package rate for 100m)	100m					
15	PVC Conduit pipe						
16	UPS1KVA UPS at least 8 hrs back up (APC)	For 2years					
17	UPS 10KVA with 1hr back up	1					
18	Installation	1					
	TOTAL						

Total figure in words inclusive of taxes:

(Rupees.....)

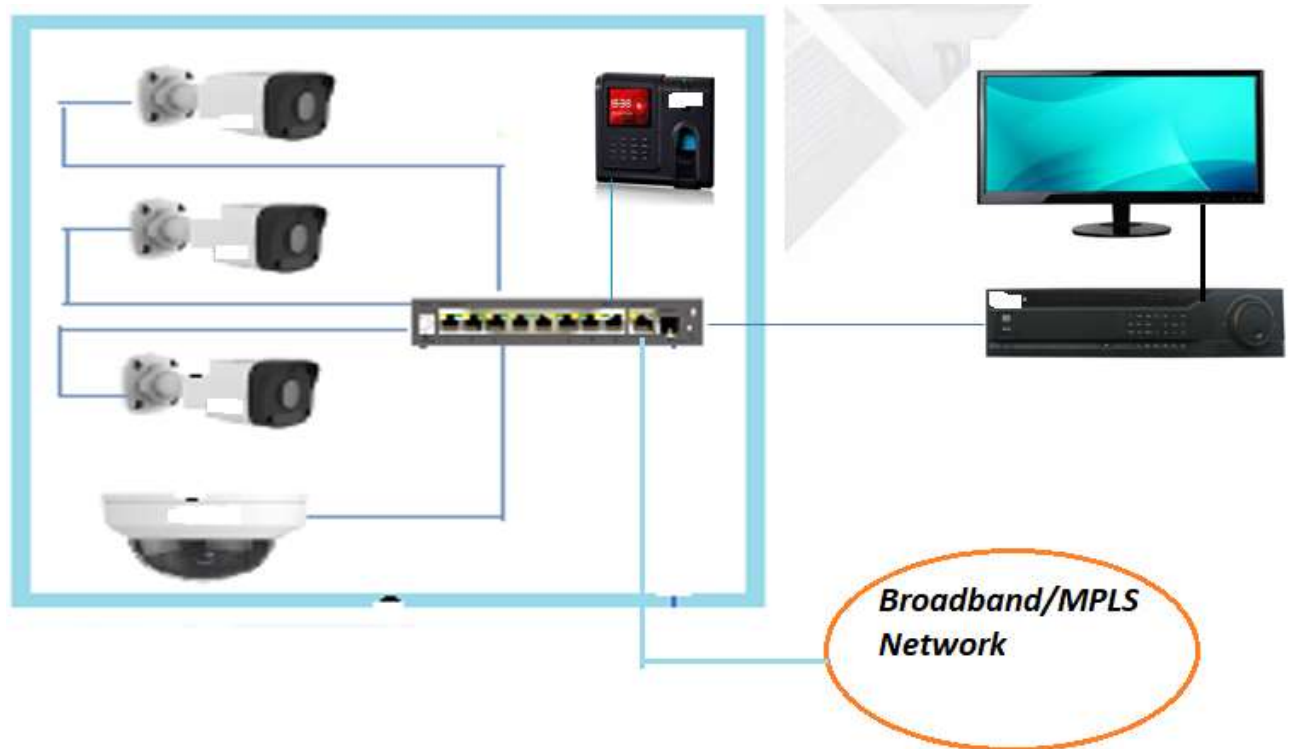
NOTE

Cable length has been tentatively taken as 100m per branch, to determine the L1 vendor. However, in the actual scenario only the actual consumption will be taken into account for payment.

Place :

Date :AUTHORISED SIGNATORY

ANNEXURE – C

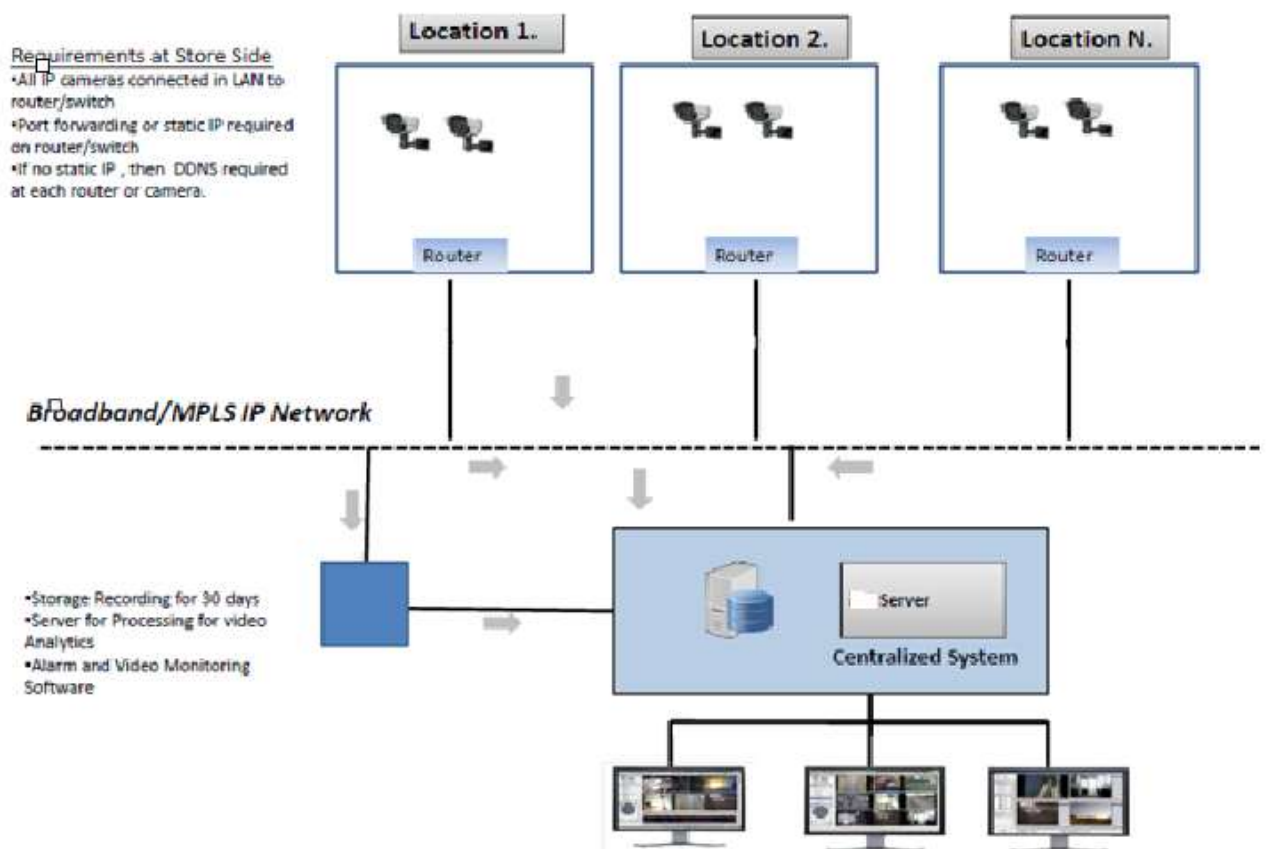
Architecture and BOM for Distance learning Location

S. No.	Type	UoM	Quantity
1	4MP IP Dome Camera with WDR	No.	3
2	4MP IP Bullet Camera with WDR	No.	1
3	4 Channel NVR with 1 SATA Slot	No.	1
4	Hard Disk 2TB	No.	1
5	9 Port Fast Ethernet Switch with 4 POE	No.	1
6	Monitor	No.	1
7	PVC Conduit	Mtr.	100
8	Cat-6 Cable	Mtr.	100
9	UPS 1KVA with 8 hrs backup	No.	1
10	Accessories	Lot	1
11	Installation and Commissioning with Five Year AMC	Lot	1

Note:

- 1) Tentative quantity actual depends on site.
- 2) Recording will be considered for Approx. 25 Days @4MP @H.265+ at local location.
- 3) 4Mbps Uploading speed required at each location for recording/viewing at central location @1MP @15FPS and @832kbps bit rate
- 4) Internet will be Dayalbagh Educational Institute Scope.

Architecture and BOM for Central Location



- 4Mbps uploading speed required at each location.
- 250Mbps downloading required at control room.
- At control room recording resolution will be @720P @15Fps @512kbps
- At each location recording/viewing will be @4MP @H.265+
- Internet is in DEI Scope

Central Location BOQ	
Hardware Calculation	
Hardware Type	Qty.
Management Server	1
Recording server	4
Storage (NAS 160TB Usable) with RAID 5	1
Client Workstations	20 Client per workstation
24 Port L2 Managed Switch	1
10 KVA UPS	1
Software License BOQ	
License Type	Qty.
Management Server Base License	1
Per camera VMS License	400

Note:

- 1) Tentative quantity actual depends on site.
- 2) Internet is in DEI scope.
- 3) 250 Mbps downloading speed required for viewing/recording cameras @720P @15fps @512kbps @H.265

S. No.	Type	Model No.	UoM	Quantity
1	Biometric Machine	Reputed	No.	1
2	Software	Software for Attendance Machine	No.	1
3	Workstation	Intel i7 , 8 GB RAM, 3 GB Graphics, Windows 7/8/10	No.	1

Note:

- 1) One Biometric Machine to be installed at each location.
- 2) Data will be collected at central location for report generation.
- 3) Biometric information in graphical form
- 4) One Static IP will be provided by DEI at central location.

ANNEXURE – D

SUPPLY & INSTALLATION OF BIOMETRIC & CCTV SURVEILLANCE SYSTEM for DISTANCE EDUCATION CENTERS of DAYALBAGH EDUCATIONAL INSTITUTE ACROSS INDIA.

GENERAL RULES AND INSTRUCTIONS FOR THE GUIDANCE OF VENDOR

1. The contractors should quote in figures as well as in words the rate, and amount tendered by them. The amount for each item should be worked out and the requisite totals given. The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools & plant, carriage & transport, supervision, overheads & profits, mobilizing and other charges whatsoever including any anticipated or un-anticipated difficulties etc. complete for proper execution of the work as per drawings and specifications and no claim whatsoever for any extra payment shall be maintainable.
- 2.
3. **TENDER IN FULL OR IN PART AND THE SUPPLIER SHALL HAVE NO CLAIM FOR REVISION OF RATES/OTHER CONDITIONS IF HIS TENDER IS ACCEPTED IN PART.**
4. The acceptance of a tender will rest with the Employer which does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all of the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.
5. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection outrightly.
6. All rates shall be quoted on the proper form of the tender alone. Quoted rates and units different from prescribed in the tender schedule will be liable for rejection.
7. Special care should be taken to write the rates in figures as well as in words and the amounts in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of discrepancy between the two, rates written in figures only shall be considered
8. Sales tax, work contract tax, or any other tax, any royalties, duties, levies, cess, entry tax, Octroi, profession tax, purchase tax, turnover tax, or any other tax on material or finished work in respect of this contract shall be payable by the supplier and the Employer will not entertain any claim whatsoever in respect of the same, and nothing extra shall be payable
9. The Employer does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender and the supplier shall be bound to perform the same at the rate quoted.

10. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the institute shall be communicated to the institute.
11. Method of Evaluation of tender: All the competitive tenders will be received on the specified date and time. On the same day or on specified date & time.
12. Being a techno - economical project, besides the capital cost the AMC charges for 2 years (2 years + 1 years warranty) will also be evaluated. Therefore, the suppliers / contractors shall furnish the AMC charges in the price bid for 2 years and terms of AMC shall be furnished in the technical & commercial bid clearly furnishing the details regarding the scope of AMC, details of spares, consumables & equipments covered and also details of exclusions.

13. PAYMENT TERMS, ADVANCE PAYMENT & ITS RECOVERY:

- All bills shall be prepared by the contractor in the form agreed or furnished by the Employer.
- The supplier has to submit the invoice to Head Office, Dayalbagh Educational Institute, Dayalbagh, Agra duly certified by the user for satisfactory installation of Biometric & CCTV systems. Payments will be made through LC in installments of 30% on certificate of completion every 30% of the project. Balance 10% shall be released on satisfactorily functioning of Biometric & CCTV and production of the bill and submission of Bank Guarantee of 10% will have to be provided for a period of expiry of warranty period.

13. MAINTAINANCE OF CCTV SYSTEM

A) MAINTAINANCE DURING DEFECT LIABILITY PERIOD OR WARRANTY PERIOD

- The supplier shall maintain all Equipment free of cost and ensure that it works as per tender parameters. All spares required for normal operation as per tendered parameters shall be replaced at no extra cost. The number of visits shall be same as stipulated in Comprehensive Annual Maintenance contract.

B) COMPREHENSIVE ANNUAL MAINTAINANCE. (CAM) (After the defect liability period)

- The supplier shall maintain all the equipment for a period of Three years after the expiry of defect liability period and ensure that it works as per the tendered parameters. The rate of annual maintenance charges shall be furnished for a period of Three years after the expiry of warranty/defect liability period and the rates quoted shall be binding on the supplier.

14. The supplier shall offer the following at no extra cost to the Distance Education Center. The rate quoted for CAMC should include the following.

- 14.1 The supplier shall maintain all System and ensure that it works as per the tendered parameters.
- 14.2 All the repairs and replacements of spares shall be carried out which are necessitated due to usage of system as per tender stipulations. However the repairs and replacements

necessitated by loss or damage due to misuse or accident, fire or natural calamities shall be out of the scope of CAMC.

- 14.3 The supplier shall inspect the equipment at least once in 3 months as a part of preventive Maintenance. This is apart from any breakdown visits that may be required which may emanate in between the two preventive maintenance inspections.
- 14.4 The maximum breakdown time shall be 24 hours from the time of receiving the complaint over phone. If the supplier is not in a position to set right the defect or repair and put back the system to working condition within one hour, a standby unit of to suit the tender parameters should be provided immediately.
- 14.5 During the Preventive Maintenance the supplier shall inspect/ check the equipment and record the following in log-book, which shall be verified and confirmed by the institute representative.
 - a. Biometric & CCTV system: Any malfunctioning of the components.
 - b. Any other remarks regarding the Electrical System:
 - c. Any steps to be taken by institute for working of system.
- 14.6 During the preventive Maintenance inspection supplier shall carryout the general cleaning and tighten the loose contact of the complete system including wiring, if any, apart from the other requirements for functioning of system as per tender parameters and same shall be recorded in a log book which shall be verified and confirmed by institute representative.
- 14.7 During the break down calls, the nature of repair carried out, parts replaced etc shall be recorded in the log book.

OTHER TERMS WITH REGARD TO CAMC:

1. The rate of annual maintenance charges shall be furnished for a period of 3 years after the warranty/Defect Liability Period and rates quoted shall be binding on the supplier. The scope and terms of Annual Maintenance Contract like number of monthly visits, items covering under Annual Maintenance Contract, replacement of spare exclusions if any, down time for break down and service calls are to be highlighted in the tender. The institute reserves the right of discontinuing the Annual Maintenance Contract from the contractor during the tenancy of Annual Maintenance Contract. The cost of Annual Maintenance Charges shall also be one of the criteria in evaluation of cost economics of the tender.
2. The Annual Maintenance Charges shall be paid once in six months subject to satisfactory maintenance for, the period of previous six months. Vendors failing to render requisite maintenance service visits shall be paid only on the pro rata basis for the number of mandatory service visits.
3. The supplier has to maintain the equipment supplied for at-least 3 years after the expiry of warranty period. At the same time, the vendor is expected to make available the spare parts for the systems for at least 3 years after the expiry of warranty period.

Signature of the Supplier/

Contractor (With Seal)