

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

Notice Inviting Short term tenders

Short term Limited tender No: DEI-Education-Padag-RJ-2018-19-TDR-12

Date: 05-12-2018

Sealed tenders are invited from the Suppliers/Manufacturers /Authorized dealers/OEM for the **Smart Lecture Capture Solution**:

Specification of Items		
S.No.	Item Description	Quantity
1	Virtual Classroom Setup as per specifications #	5

The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs. 30,000/-** 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: 03.30 pm on 15.12.2018
2. Time of Bid Opening: 04.00 pm on 15.12.2018
3. Venue of Bid Opening: CAO, Dayalbagh Educational Institute, in the presence of bidders who want to be present at the time of opening of bid.

Interested Contractors/Suppliers/Authorized dealers may put the tender document complete 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 Mr. Gautam Kumar-9456600221.

**Registrar
Dayalbagh Educational Institute**

Specification of Virtual Classroom solution:

Summary of the tender

- Automated Lecture recording in multi-view like Faculty, Students and White Board
- Content Management System
- Live Streaming and Video Conferencing
- Flipped Classroom Recordings
- Tools for evaluation and collaboration
- Analytics & Reporting
- LMS Integration Capabilities

Software Technical Requirement

- ✓ High Quality Video: Full HD Video and Audio.
- ✓ Multi view environment: The viewer should have the ability to watch all camera and/or presentation content together on the screen and then rearrange content to focus on what's most important.
- ✓ Responsive Design: View on any size or type of screen, over any connection speed. Adaptive streaming.
- ✓ Web based application for Mobile / Tablet / Laptop. Platform apps to be also provided.
- ✓ Platform should enable a faculty and/ or an Institute to schedule recording for Classroom lectures. The availability of the same for participants on demand via the Platform.
- ✓ The Platform should allow an Institute to Live Stream/video-conference any ongoing Lecture. The same lecture should also be recorded simultaneously. Viewers should be able to Login to the Platform and view the Live Lecture.
- ✓ Audio video recording should have automatic processing for quality improvement, compression for size reduction and encryption for security feature.
- ✓ The platform must create searchable metadata by auto-scanning and indexing Lecture Slides using OCR (Optical Character Recognition).
- ✓ Viewer should be able to Search People, Subjects, Lectures, Notes, Discussion. Lectures should be searchable through Topic, Professor Names and other metadata.
- ✓ Students/Participants should be able to upload additional material for a Subject or Lecture. Additional material could be pdf, MS Office files, videos, audio, images.
- ✓ Students should be allowed to create small video Bookmarks through easy interface. These Bookmarks once created must be stored at one place under a Subject or Lecture
- ✓ Platform should allow a Professor to create Flipped content and share to Students on the platform.
- ✓ Professor should be able to edit the video to remove unwanted portions and preview the edited video before publishing it to students/participants.
- ✓ Platform should come with a very strong analytics and reporting engine. It should provide preconfigured usage report as well as customizable reports to track the utility of the solution.
- ✓ Platform to provide an Admin User Interface (Web Based) to manage the repository & generate Reports.
- ✓ Platform should allow professor to create practice test and quizzes for student evaluation purpose.
- ✓ Web based Portal for Collaborative Learning and System Management.

- ✓ Ability to provide both the models: On-premise and cloud
- ✓ Regular software updates, including new and enhanced features and bug fixes.
- ✓ Related subject/topic videos from open source/YouTube platform as additional reference material to students will be added benefit.

Hardware Specification

2-8 Megapixel 4K or Full HD Wide Dynamic Range Network Camera (Camera safety box to be included)

- o ½.8" 2-8 Megapixel Progressive Scan Exmor CMOS Sensor
- o 25fps @1080P
- o Wide Dynamic Range
- o Auto Back Focus
- o Micro SD Memory, PoE

1/3 5-50 mm F/1.4 High Resolution Aspherical C-Mount lens

2-channel high quality microphone system

- o Specially designed for classroom environment for Faculty Audio Capture
- o Backup microphone included
- o Hands-free Infrared Wireless Microphone System
- o Ceiling Mount Receiver / Wall Mount receiver.
- o Tuner & Distribution for audio output o In-built battery – inside the microphone & mic charger

Intel Edge Capture Server

- o 7th Generation Intel Core i3- processor
- o 8Gb Dual Channel DDR3L 1600Mhz Ram
- o Intel HD Graphics 5500
- o 1TB 2.5" HDD
- o Gigabit Ethernet
- o Ubuntu 14.04 LTS Server

Media Server

- o Specifically designed as for reliable storage and fast access
- o 7th Generation Intel Core i7 Processor
- o 6 GBPS SATA (Intel Rapid Storage)
- o 16 TB Storage (4 x 4TB @ 7200 RPM)
- o Gigabit Ethernet
- o Ubuntu 14.04 LTS Server

Note:

- Transportation cost of all material and personnel will be borne by the bidder throughout the period of maintenance
- Successful bidder shall accord facility for inspection/testing of material at their site by a team of institute engineers before start of delivery, if deemed necessary
- All the software related to recording and transmission should be installed in our campus server and license should be perpetual.
- After successful installation and deployment of these equipment testing to all the ICT center and Distance education center will be demonstrated (where reliable connectivity of network, not less the 1Mbps, is available)
- All projects should be up and maintained up to five years. (3 years for hardware and 5 for software including updates)

- Installation and testing of recording infrastructure for each individual classroom, including:

- Processors/Servers and storage solution

- High Definition Video Cameras

- Audio Recording Devices

- Routers and Wi-Fi devices

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. VAT / Service Tax Regn. No.
3. Income Tax PAN No.
4. Firm's Bank A/c details
5. Bidders are requested to quote rate(s) per unit(s) only in the recognized Accounting units otherwise your quotation will not be accepted.
6. Cost of items shall include installation, support and troubleshooting.
7. Warranty and Support: for Hardware and Software should be explicitly mentioned.
8. Bidders should be OEM/Authorized partner/Authorized dealer of OEM/ Contractors.
9. 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.
10. 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.
11. Bidders must indicate if their rates are inclusive of Taxes.
12. 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.
13. 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, GST or any Tax etc. should be shown separately.
14. 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.
15. Bidders will have to submit Bills/Invoices on dispatch of stores, if ordered, to this office in triplicate duly pre-receipted and supported by the relevant delivery documents for audit and payment direct to you or to your bankers.
Generally, payments can be expected within one month and are made against acceptance of supplies/ jobs completed and in deserving cases, against shipment documents.
16. 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.
17. 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
18. Institute reserves the authority to increase / decrease the quantity (50%) if deemed necessary.
19. 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.
20. The Bidder shall be required to submit the amount of Earnest Money Deposit (EMD) by way of Demand Drafts/Banker's cheque/FDRs as mentioned in the Notice Inviting Tender 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. 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.
 - 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 bid. Any technical 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.

21. 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.
22. 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.
23. The Institute reserves the right to order virtual classroom and accessories to a quantity less (upto 25%) or more (upto 50%) than that specified above.
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 the bidders should not include the Excise Duty in the quoted price, which can put them into a disadvantageous position. They should however, quote separately the percentage / quantum of excise duty applicable.
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

Annexure-I

Financial Bid Format

	Description	Specifications	Make/Model	Unit	Qty	Quoted unit price in Rs.	Tax	Amount in Rs.
1	Lecture capture solution software	as per specs		pcs	1			
2	Lecture capture solution hardware	-do-		-do-	1			

Annexure-II

CHECK LIST

1. EMD of Rs. 30,000.00 (Thirty Thousand) only by way of DD No..... dated in favour of “**Registrar, Dayalbagh Educational Institute, Agra**” payable at Agra.
2. DD No..... dated.....for Rs.200.00 (Two hundred) only in favour of “**Registrar, Dayalbagh Educational Institute, Agra**” payable at Agra towards cost of Tender Fee.
3. Details of firm, equipment, software, registration with tax authorities–Income Tax/Service Tax etc.
4. PO and Satisfactory report of qualifying projects (Minimum of two) handled by bidders in last 5 years giving date of start, date of completion, cost of project and delay if any attributable to bidder. (Staple all to make one doc).
5. Documents explaining Bidder’s approach particularly to this virtual classroom project describing implementation strategies which may include topology, hardware to be deployed etc.
6. Declaration from the OEM that none of the quoted product will go End of Sale or End of Support for a period of at least five years.
7. Declaration by Agency that they shall be supplying genuine OEM products and any discrepancy.
8. Time schedule for complete development of total project in the form of BAR CHART. (This also has to be part of presentation).
9. Financial Bid in the prescribed Format as given in Annexure-II in a sealed envelope.
10. The bid document along with its annexure downloaded from the web shall be duly signed on each page by the bidder and enclosed along with technical bid in Envelope 1.
11. Any other documents.

NOTE: The Check- List shall be duly filled in, and should be submitted along with the Technical Bid.