

**Dayalbagh Educational Institute  
(DEEMED TO BE UNIVERSITY)  
Dayalbagh, Agra**

**Short Notice Inviting Tenders**

**Short Term Limited Tender No. DEI/Sc/Botany/RR/2018-19/TDR-76**

**Date: 15-03-2019**

Sealed tenders are invited from the Manufacturers/ Suppliers/Authorized dealers/ agencies for the supply and installation of the following:-

<b>S.No.</b>	<b>Item</b>	<b>Quantity</b>
1	<b>Universal Mutation Detection (Vertical Gel Electrophoresis)</b> Specifications as per <b>Annexure-I</b>	1
2	<b>Gel Doc System</b> Specifications as per <b>Annexure-II</b>	1
3	<b>Nanodrop (Spectrophotometer)</b> Specifications as per <b>Annexure-III</b>	1

The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs.36,000/-** 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 with Tender number marked on the envelope 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: 11.00 am on 25.03.2019
2. Time of Bid Opening: 11.30 am on 25.03.2019
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 Dr. Rajiv Ranjan-9639490081.

Registrar  
Dayalbagh Educational Institute Dayalbagh,  
Agra-282005

## 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/ Contractors.
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 VAT/Sales Tax and /or Excise Duty.
13. 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, Sales/VAT/Service 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 stamped for amount over Rs. 5000/-) 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) as 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 **“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. 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).
24. 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**

**Note:- For full details of equipment, please see attached Annexure –I, II and III**

Kindly address the quotations to "**Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra**" and dispatch in the properly sealed envelope at the following address or drop the tenders in the drop box kept in the Institute:

**Registrar,  
Dayalbagh  
Educational  
Institute,  
Dayalbagh, Agra  
282005**

For any clarification you may contact the following:  
Dr. Rajiv Ranjan (9639490081), Department of Botany,  
Faculty of Science, DEI, Dayalbagh, Agra-282005

#### **Special Terms & Conditions**

1. The bid is to be submitted in TWO Bid Pattern i.e Techno-Commercial Bid and Price Bid in **Two separate sealed covers/envelopes** with tender marked on it.
2. Warranty should be for Minimum One years from the date of supply of goods in working conditions..

**Note- We have Custom Duty Exemption Certificate issued by DSIR.**

#### **Other terms and Conditions:**

Prices to be inclusive of installation and training

## Annexure –I

### Specifications: Universal Mutation Detection System (Vertical Electrophoresis system) with Power supply

- Should run upto 4 gels of size not less than 16 x 20 cm to perform SDS PAGE and SSCP
  - The casting stand with single screw clamp to exert even pressure along the entire length of the glass plates, providing a leak-proof seal without grease or agarose plugs
  - System must come with central cooling core to connect via recirculation ports to tap water or a cooled recirculation bath, or filled with coolant to act as a heat sink, providing smile-free patterns with as little as 1.5 L buffer
  - System must be quoted with four 1.0mm spacers, 2 , 15 and 25 well combs, 4 sets of glass plates both inner and outer.,1 set of Frosted inner plates , comb conversion screws(10)
- 
- NUMBER OF GELS :1-4
  - GEL SIZE : 16 X 20 cm
- 
- GLASS PLATE SIZE [W X L]
  - INNER PLATE : 20 X 20 cm
  - OUTER PLATE : 20 X 22.3 cm
  - SPACER LENGTH : 22.3 cm
  - TYPICAL UPPER BUFFER VOLUME : 350 ml
  - TYICAL LOWER BUFFER VOLUME : 1.2

**Gradient Former:** 100-1500 ml –body and valve stem and tubing connection kit

#### Universal Power Supply

Output range (programmable): 10–500 V, fully adjustable in 1 V steps  
0.1–2.5 A, fully adjustable in 1- 500 W maximum

Type of output: Constant voltage, constant current, constant power or constant temperature with automatic crossover, Temperature

Output terminals: 4 pair recessed banana jacks floating in parallel

Timer: 1 min – 99 hr, 59 min

Pause/resume run function: YES

Display: 128 x 64 pixel , backlit graphics LCD

Operating conditions: 0–40°C; 0–95% humidity in the absence of condensation

Safety compliance: EN–61010

EMI: Conforms to CE Standards for Emissions and Immunity class A, tested only at 230 V; TÜV EMC certification

Safety features: No-load detection, sudden load change detection, overload/short circuit protection, input line protection, auto power-up after power failure

Input protection: Fuse on both hot and neutral

Input power (actual): 90–120 or 198–264 VAC, 50 or 60 Hz, autoswitching

## **Annexure –II**

### **Gel Documentation System:**

- 1) System should be modular with UV tray and White Light tray as standard and option for upgrading to stain free imaging
- 2) Image resolution >4 mega pixels for resolving closely spaced bands on a gel or blot.
- 3) 4.6 x 4.6 µm pixel size & >3.0 orders of linear dynamic range
- 4) Automatic system- user need not have to zoom, focus, adjust aperture or select light source.
- 5) System should require only one emission filter to accommodate a large portfolio of detection methods: ethidium bromide, SYBR® Green, SYBR® Safe, SYBR® Gold, GelGreen, GelRed, Fast Blast™, SYPRO Ruby, Flamingo™, Oriole™, CY3, rhodamine, green fluorescent protein, Hoechst, Krypton, silver stain, copper stain, zinc stain, Coomassie Brilliant Blue, Coomassie Fluor Orange, and other spectrally similar stains, labels, and dyes.
- 6) Should have automated workflow recorded in a protocol file from image capture to results.
- 7) Optimized image data and analysis from a gel in a single automated image capture driven by a selected gel or blot application., one-button acquisition from image capture to result.
- 8) Should have feature for Automatic print when only imaging and printing is required and generate customizable reports
- 9) Should come with 1 D analysis software with following features:
  - Automatic generation of customizable reports
  - Snapshot tool to copy images, lane profiles, and graphs
  - Complete flexibility with automatic and manual detection of lanes and bands, using several algorithms
  - Easy copy/paste functionality, crop, zoom, 3D viewer, and colors.

- Publishing resolution (dpi) and publishing dimension can be specified with a one-click image export for publication. Provides functionality to produce image at user-defined dpi and dimension
  - No requirement for license registration
  - Mac and Windows compatible software
  - 16-bit and 8-bit tiff images with a one-click export option
- 10) Should come with PC with below configuration:  
Intel Core I-3 Processor, 4GB DDR RAM, 1TB SATA 3.5" HDD,  
DVD-RW, USB Mouse, USB Slim Keyboard, Microsoft Windows 10 Prof 64-bit,  
18.5" wide LED TFT Monitor,
- 11) 1.0 KVA online UPS  
12) Warrantee: 1 year

### **Annexure –III**

#### **Specification for Nanodrop**

##### **Specifications:**

Sample Volume – 0.5µl.  
 Sample Number - 1  
 Path Length: 1mm (auto ranging to 0.05mm)  
 Light Source: Xenon flash lamp  
 Excitation Maxima of LEDs – N/A  
 Detector Type - 2048 – element linear , Silicon CCD array  
 Wavelength Range – 190 – 840nm  
 Wavelength Accuracy 1 nm  
 Spectral Resolution < 1.8nm (FWHM at HG 253.7nm)  
 Absorbance Precision: 0.002 (1mm path)  
 Absorbance Accuracy: 2% (at 0.76 absorbance at 257 nm)  
 Absorbance Range : 0.02-300 (10mm equivalent)  
 Fluorescence Range :N/A  
 Detection limit: 2ng/µl (ds DNA)  
 Max.Concentration : 15,000 ng/µl (dsDNA)  
 Measurement Time: <5 seconds  
 Footprint : 14 x 20cm  
 Sample Pedestal – Material of Construction – 303 stainless steel and quartz fiber  
 Operating Voltage – 12 vdc  
 Operating Power consumption 12 – 18 W (max 30W)  
 Standby Power Consumption – 5W  
 Software Compatibility – Windows® XP and Vista™ (32 bit)  
 With Power Chord.