

Department of Biochemistry, University of Kerala

Pl.A1/BCH/1596/17

E-Tender Notice

The Advanced Centre for Tissue Engineering, Department of Biochemistry, University of Kerala, under specific project Scheme, invites open tenders through e-Procurement (two cover system) from reputed manufacturers / authorized distributors / Indian Agents with sound Technical and Financial capabilities for **Supply, Installation and Commissioning of Chemiluminescent Gel Documentation system and Fluorescent Plate Reader**

Last date and time for submission of tender online	15.02.2017 at 5.30 p.m.
Last date and time for submission of Tender offline	15.02.2017 at 5.30 p.m.
Date and time of opening of tender	20.02.2017 at 11.00 a.m
Hardcopies of sealed tenders to be submitted to the office of	The Registrar, University of Kerala, Palayam Trivandrum-695034, Kerala.
For technical details contact	Professor and Head, Department of Biochemistry, University of Kerala, Kariavattom, Thiruvananthapuram-695581 Phone No. : 0471 2308078 Email: biochemistrykariavattom@gmail.com

For further details log onto www.etenders.kerala.gov.in

TECHNICAL SPECIFICATIONS FOR CHEMILUMINESCENT GEL DOCUMENTATION

SYSTEM

- (a) UV transillumination and epi-white illumination functionality - UV excitation at 254, 302, and 365nm.
- (b) UV safety shield and slide out tray for placing samples to avoid exposure to UV.
- (c) Should be able to detect protein dyes; Chemiluminescent dyes, colorimetry and labeled DNA and RNA.
- (d) Emission and required accessories for imaging EtBr / SYBR green / sypro ruby / flamingo / fluorescein/Alexa fluor / Cy3 / Hoechst and colorimetry.
- (e) Should have stain free capability for protein gels and blots and should be supplied with consumables for the same.
- (f) CCD based image with pixel format 1392×1040 capture resolution of greater than 4 megapixels; 16 bit CCD camera - pixel size 6x6 microns or more; Camera cooling -30°C (absolute or less); Motorized zoom.
- (g) Filter wizard and array tools.
- (h) Should have automated accumulation mode for easy optimization of exposure time for chemiluminescent detection.
- (i) Automatic and manual methods for molecular weight determination, purity assessment and relative and absolute quantification and export into diverse image formats; Automatic generation of customizable reports; Image acquisition software with quantitative volume analysis 3D viewer.
- (j) Should provide branded computer and UPS; Mac and PC compatible free software with unlimited installation of software for multiple users.
- (k) 3 years warranty.
- (l) Additional filters if available may be offered as option.

TECHNICAL SPECIFICATIONS FOR FLUORESCENT PLATE READER

- (a)Fiber optics for optimal signal transfer;
- (b)Selectable, automated top-or bottom-probe reading;
- (c)Detection modes: UV-Visible (minimum 200-900nm, 1nm increments), Fluorescent (minimum 300-700), Luminescence (minimum 300-700nm).
- (d)Endpoint, kinetic, spectral scanning, well area scanning
- (d) Fluorescence sensitivity 5pM;
- (e)Incubation to 50°C for temperature-sensitive assays;
- (f) Linear/ orbital shaking;
- (g)Reads 6 to 96 well plates;
- (h)Branded computer and UPS with suitable Software for data analysis;
- (l)Minimum 3 years warranty.

TERMS AND CONDITIONS

1. Separate tender along with separate sets of all necessary documents should be submitted for each instrument. The main envelop should be superscribed: “TENDER FOR SUPPLY OF (ENTER NAME OF EQUIPMENT).
2. For those bidders submitting tenders for more than one instrument, separate applications for each instrument (Technical Bid and Financial Bid) must be placed in individual sealed envelopes and these envelops must be placed inside a bigger envelope. Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in a single tender it will be summarily rejected.
3. The tenders received late, without required documents or incomplete in any respect / misleading will be summarily rejected.

4. The proposals shall be submitted in two parts, viz. **Technical bid and Financial bid in two separate sealed envelopes** (with respective marking superscribed in bold). The first envelope (envelope 1) marked **“Technical bid”** should include the technical specifications. The first envelope should not contain any cost information whatsoever. The second envelope (envelope 2) marked **“Financial bid”** should contain the detailed price offer in prescribed format. Both the sealed envelopes, Technical bid and Financial bid should be placed in a bigger sealed cover. The top of cover must also contain Name and Address of the tenderer, telephone and other contact details for further correspondence. The financial bids of only technically acceptable offers will be opened for further evaluation and ranking before awarding the contract.
5. The Bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf for this tender. Certificate to this effect should be included in the quotation.
6. The models quoted should comply with technical specifications and if necessary the University of Kerala reserves the right to accept superior specifications.
7. The models quoted should be in successful operation for at least one year as on the date of Bid opening.
8. Prices are to be quoted *FOR DESTINATION (Department of Biochemistry, University of Kerala, Kariavattom)*. The prices quoted should clearly indicate the following charges: Price of the equipment; Price of optional accessories if any; Customs duty (after submission of custom and excise exemption certificate); Customs Clearance Charges, other taxes if any, transportation charges and installation charges. **If these details are not provided it will be considered that the price quoted is inclusive of all charges.**
9. Every tenderer should submit an Earnest Money Deposit (EMD) of Rs. 25,000/- or equivalent Bank Guarantee valid upto the installation of the equipment.
10. Every tenderer should submit Tender fee of Rs. 1000/-
11. **Payment terms:** Payment against delivery and successful installation of the equipment in the department.
12. Complete installation, testing and demonstration of the system and full training on operation and day-to-day maintenance are to be provided at site.

13. A signed compliance matrix (on specifications and conditions) to be submitted along with the quote.
14. The quoted equipment should be a whole product of the manufacturer and service and warranty for the whole product should be provided.
15. The tender submitted shall remain valid at least for 120 days from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
16. The supplier should be fully equipped to render us after sale service during warranty and thereafter.
17. The University of Kerala reserves the right to accept / reject /reduce the number of equipments any or all quotations without assigning any reason thereof. In case of any dispute the decision of the University Authority shall be final.
18. Previous unsatisfactory experiences (unhonoured quotations/purchase orders/after sales servicing etc.) with present bidders shall be a criteria for selection even if they meet technical specifications.
19. All equipments must be covered with comprehensive warranty as specified in technical specifications.
20. Users list of the specified model to be attached preferably from research centers within Kerala.
21. Performance Certificate from at least 3 research centers in Kerala, preferably in Trivandrum shall be an added advantage.
22. Suppliers with service centers in South India, preferably in Kerala shall be an added advantage.

The Registrar,
University of Kerala.