



INSTITUTE OF HUMAN GENETICS UNIVERSITY OF JAMMU-180006

No. IHG/JU/19-20/612

Dated: 02-12-19

NOTICE INVITING TENDER

Technical and financial bids along with the detailed literature are invited from the manufacturers/distributors/dealers etc for the purchase of **GEL DOCUMENTATION SYSTEM** with the following specifications

Specifications for Gel Documentation system

Gel Documentation system

- Should include: darkroom UV trans illuminator, epi-white illumination, camera, White light conversion tray, cables, 1D image analysis software
- Applications: Calorimetry/densitometry, **chemiluminescence**/western blots, Imaging and analysis of DNA/RNA bands.
- System should be provided with filter for detection of colorimetric protein stains (silver, coomassie) and fluorescent nucleic acid gel stains (e.g., ethidium bromide), Quantum dots, Nano orange, FITC, Sybr gold, Oligreen, Pico green SYPRO Orange.
- Excitation source - Trans-UV and epi-white are standard (302 nm included)
- Maximum image area - (For standard UV-excited gels) 25 x 26 cm or more
- Detector – Supercooled CCD
- Pixel size (H x V) - 6.45 x 6.45 μm or bigger
- Image Resolution - 4 Megapixels or more
- Cooling system - Peltier
- Camera cooling temperature: -30°C controlled or better
- Filter selector –minimum 3 positions (2 for filters, 1 without filter, for chemiluminescence)
- Auto focus: Precalibrated focus for any zoom setting or sample height
- Should have Image flat fielding - Dynamic; pre-calibrated and optimized per application to provide image data that are always accurate, reproducible, and free of imaging artifacts.
- Autoexposure—at least 2 user-defined modes (intense or faint bands),
- System should have the capability to automatically capture a series of images using preset or user defined exposure times.
- Operating voltage - 230 V AC nominal
- Operating temperature - $10-35^{\circ}\text{C}$
- Have Signal accumulation mode: to monitor band intensity from 1 sec to 999 sec and save more than 25 images at user defined intervals.

- The imaging system must be capable of imaging stain free protein gels & stain free blots allowing users to image protein gels and blots without the need of staining/de-staining post running the gels.
- 1 KVA UPS at least 60 min back up
- At least 3 USB & 1 Network Port
- Accessories: The system should be supplied at least 100 stain free precast gels (2), ECL Femto plus substrate (2), PVDF membrane (2), Blocker (2) should be supplied

System Software

- Suitable standalone computer (RAM size-16GB, total capacity- 1TB, intel core i7) & software accessories should be provide, for data storage and archival.
- Single dedicated software for image capture and analysis of Gels and proteins should be provided.
- Software should have highest level of automation in hardware calibration, image optimization, capture, and analysis.
- Automatically identify consistent and accurate lanes and bands
- Should have molecular weight overlay feature to allow a colorimetric molecular weight marker Lane to be overlaid onto a chemiluminescent image for molecular weight determination without compromising the underlying chemiluminescent densitometry data.
- Analysis reports should be directly exported to Microsoft Word, Excel, PowerPoint, and PDF formats ,
- Should have the flexibility to specify the Publishing resolution (dpi) and publishing dimensions with one-click image export for publication.
- Analysis software should be an open platform to accept standard image file types (i.e., TIFF, JPEG, PNG, GIF, dpi, BMP files).

Support and training:

Ability to support, diagnosis and troubleshooting through Remote Access feature

Installation and training to users should be given at our laboratory by a trained application engineer.

Terms and Conditions:-

- Copy of the items including relevant accessories with technical specifications should be mentioned in detail. With original catalogue
- The quoted system or equivalent category system should have at least 30 numbers of installations in India in last five years by the vendor.
- List of such 5 users with contact numbers of faculty in-charge and copy of their installation report should be enclosed.
- Latest publications in reputed journal should also be enclosed
- Warranty should at least be for 3 years after installation
- Consumables and non consumables should be quoted for 3 years
- Components and spare parts should be made available for at least 15 years or more.
- The system should be quoted F.O.R. Jammu University, Jammu.
- All custom clearance and transportation should be borne by company.
- Components should be made available for at least 15 years or more.

Terms and Conditions:

1. Tenders should be addressed to, “Coordinator, Institute of Human Genetics, Baba Saheb Ambdekar Road, New University Campus, University of Jammu, Jammu 180006”.
2. Delivery of goods should be FOR Institute of Human Genetics, University of Jammu, Jammu.
3. General Sale tax/custom duty/excise/entry tax or any other tax, if any, should be clearly mentioned. Rates should be inclusive of custom clearance, insurance etc. It may kindly be noted that University of Jammu will not bear any cost/expenditure arising out of loss during transportation etc. Cost of equipment should include transportation charges and insurance charges upto FOR destination. University of Jammu is exempted from Custom Duty under DSIR registration. DSIR certificate shall be provided by the University of Jammu.
4. Firm shall be required to submit the End of Life of product. It shall be responsibility of the supplying firm/manufacturing firm to collect condemned instruments/its salvage whenever it is declared unserviceable/obsolete/end of life/beyond economic repair etc. Firm shall be required to submit EPR authorization issued by CPCB.
5. Firm shall be required to submit complete information/brochure/catalogue along with the offer.
6. Firm should submit an authorization certificate from principal firm for sale and service.
7. Concession to educational institutions, if any, should be clearly mentioned.
8. Products conforming to particular standards (ISO, ISI etc.) should be clearly mentioned.
9. In case any item is your proprietary product or if you are sole manufacturer/distributor of requisite item, a certificate to this effect should be enclosed.
10. It is at discretion of the competent authority to reject one/all tenders/part of tender without assigning any reason, thereof.
11. In case seller fails to complete in full, all deliveries of product in accordance with supply order; the seller shall be responsible for the liquidity damages. Thereafter the buyer, will have right to terminate supply order in the case of such delay beyond period mentioned by seller in the offer and buyer will have total discretion to buy product from the market/other supplier at the lowest rate.
12. An undertaking should be submitted by your concern that rates quoted in this offer are lowest/at par with rates quoted to other Govt./Semi-Govt. institution in the country and your concern/firm has not sold your product to any other organization in India at lowest price than the price quoted in this offer.
13. A user list of the institutions/organizations where the quoted equipment has been installed and working successfully must be provided.

14. Debarment of the bidding firms shall be governed by Rule No. 151 of GFR 2017; Ministry of Finance, GOI, as mentioned below: (i) A bidder shall be debarred if he has been convicted of an offence— (a) under the Prevention of Corruption Act, 1988; or Page 3 of 3 (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract. (ii) A bidder debarred under sub-section (i) or any successor of the bidder shall not be eligible to participate in a procurement process of any procuring entity for a period not exceeding three years commencing from the date of debarment. Department of Commerce (DGS&D) will maintain such list which will also be displayed on the website of DGS&D as well as Central Public Procurement Portal. (iii) A procuring entity may debar a bidder or any of its successors, from participating in any procurement process undertaken by it, for a period not exceeding two years, if it determines that the bidder has breached the code of integrity. The Ministry/Department will maintain such list which will also be displayed on their website. (iv) The bidder shall not be debarred unless such bidder has been given a reasonable opportunity to represent against such debarment
15. All the pages of soft copy of the offer should be endorsed along with the stamp/seal of the firm.
16. It may kindly be noted that in case a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.
17. Firm shall be required to submit the EMD/Bid security amounting to Rs. 16000/- in the form of bank guarantee/DD/CDR from any of the commercial banks which should remain valid for the period of forty five (45) days from beyond the final date validity period.
18. Firms which are exempted to submit the EMD/Bid security shall be required to submit certificate issued by the concerned Ministry/Department.
19. Successful bidders shall be required to submit performance security amounting to 5% of the quoted price pledged to the Coordinator, Institute of Human Genetics, University of Jammu, Jammu in the form of bank guarantee from any of the commercial banks which should remain valid for sixty (60) days beyond the date of completion of all contractual obligations of the suppliers including warranty obligations.
20. Financial bids of only technically qualified tenders shall be opened. If the Technical Bids are not in order or are deficient in some respect, the commercial bids in respect of such tenders shall not be opened.
21. Item must be quoted along with the warranty as specified in technical specifications.
22. Technical specifications of the required instruments/equipments/articles are given above.

**The details of NIT and other documents can be downloaded from website
www.jktender.gov.in**