

MAHARSHI DAYANAND UNIVERSITY ROHTAK

TENDER NOTICE

Sealed Tenders superscribed as “Tender for Laboratory Equipments” are invited for supply of various instruments, with earnest money equal to 2% of the total amount involved in the shape of Bank Draft along with a separate draft of Rs.1000/- as tender fee in favour of Finance Officer, M.D. University, Rohtak so as to reach the Head, Department of Genetics, up to **13.01.2015**. For detailed terms & conditions, visit the University Website www.mdurohtak.ac.in. The tenders will be opened on **14.01.2015**.

REGISTRAR

NOT TO BE PUBLISHED IN PRESS (only for display on website)

Details of the equipments to be purchased

S. No.	Make/ Specifications
1.	<p>Name of Equipment: Tangential Flow Filtration (TFF) System Make : GE or Millipore or Pall Quantity: 1 (one) Technical Specifications: Benchtop,compact, laboratory-scale separation system for both membrane cross flow filtration cartridges and hollow fiber cartridge to gives quick, efficient concentration and diafiltration of a wide range of biological solutions. The system should rapidly processes solution volumes up to 10 liters. As well as concentrating to volumes as low as 30 to 50 ml, The basic system should consist of a cartridge support stand, inlet and outlet pressure gauges, and 400 ml and 1liter reservoirs. The self-contained system also should incorporate a precision back-pressure control valve and a convenient sampling/drain valve. A peristaltic pump with a nominal maximum recirculation rate of 2 liters/minute should be quoted System should come with MWCO range of 1,3,5,10,30,50 KD, Polysulfone cartridges of diameter 1.9 cm (0.75 in),Length 34.5 cm (13.6 cm),Path Length 30 cm. All cartridges/filters of different size should be quoted SERVO Stabilizer suitable for system Warrantee: one year</p>
2.	<p>Name of Equipment: AKTA Prime with accessories (Protein Purification System) Make: GE or BioRad Quantity: 1 (one) Technical Specifications: System should be capable of performing chromatography techniques like Ion exchange, Hydrophobic, Gel Filtration, Affinity, Desalting/ buffer exchange System must have a pump with a flow rate of 0.1 to 50 ml/min with increment of 0.1ml/min. System must have a pressure rating of 10 bar (145 psi). All in one detector for UV (260/280nm), Conductivity Range of 1micro S/cm – 999.9 mS/cm. System should have a linearity of <3% up to 2Au at 254nm and <5% at other wavelengths except 280 nm. Optical path length of 2mm. System should have 214 nm with Zn lamp and option for adding additional filters – 313, 365,405, 436, 546 nm in the same detector. System must have an automatic motorized seven-port injection valve so samples can be applied automatically during a chromatography run. System must have an automatic motorized eight port inlet buffer valve on the buffer-A inlet so methods requiring three or more buffers or direct loading of large sample volumes can be run automatically. System must have built-in preprogrammed methods for the following chromatography applications: Desalting, Purification of His-tagged protein, Purification of GST-tagged proteins, Purification of monoclonal antibodies, IgM purification. Removal of albumin, Protein re naturation on column, Anion exchange chromatography and Cation exchange chromatography. Fraction collector with flow diversion valve, 95 tube rack of 18 mm must be an integral, built-in part of the System and should have option for 175 tube rack of 12 mm & 40 tube rack, 30mm</p>

	<p>System should be capable of pH measurement from 0-14 with pH electrode System should include software to monitor signals from the chromatographic run in real time.</p> <p>System should be supplied with gel matrix, pre-packed column, empty columns of the following specification :</p> <p>Disposable desalting columns (Qty 30 no) having cross-linked dextran matrix of particle size dry, min 90% volume share between 50–150 µm; wet (in 0.15 M NaCl), 40–250 µm. Fractionation range globular proteins 1×10^3–5×10^3. Cross-linked dextran Sephadex G-25 Fine or equivalent matrix (Qty 500 gm), particle size wet beads 34–160 µm, Fractionation range globular proteins 1×10^3–3×10^4.</p> <p>Cross-linked dextran Sephadex G-75 or equivalent matrix (Qty 100 gm) of particle size wet beads of 90–280 µm, Fractionation range globular proteins 3×10^3–8×10^4. Prepacked Gel filtration column (bed size 16 x 600mm, Bed Volume 120 ml having matrix of Spherical allyl dextran and N,N'- methylene bisacrylamide, Particle size 50 µm Fractionation range, globular proteins 1×10^3–1×10^5.</p> <p>Prepacked Gel filtration column (bed size 16 x 600mm, Bed Volume 120 ml having matrix of Spherical allyl dextran and N,N'- methylene bisacrylamide, Particle size 50 µm Fractionation range, globular proteins 5×10^3–2.5×10^5 .</p> <p>Prepacked Column (Volume 20 ml, Size 1.6 x 10 cm) Strong Anion highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 120 mg HSA/ml drained medium.</p> <p>Prepacked Column (Volume 20 ml, Size 1.6 x 10 cm) Strong Cation highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 120 mg BSA/ml drained medium.</p> <p>Prepacked Column 1 ml, Size (Qty 5) Strong Anion highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 120 mg HSA/ml drained medium.</p> <p>Prepacked Column 1 ml, Size (Qty 5) Strong Cation highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 120 mg BSA/ml drained medium.</p> <p>Prepacked Column 5 ml, Size (Qty 5) Ligand Phenyl, highly cross-linked 6% agarose, Particle size 90 µm, A high capacity HIC medium with a binding capacity for IgG and HAS up to 30 mg/ml at flow velocities of 100 cm/h.</p> <p>Lab media (Volume 500 ml) Weak Anion highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 110 mg HSA/ml drained medium.</p> <p>Lab media (Volume 300 ml) Strong Anion highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 120 mg HSA/ml drained medium.</p> <p>Lab Media (Volume 300 ml) Strong Cation highly cross-linked 6% agarose, Particle size 45–165 µm, binding capacity 120 mg BSA/ml drained medium.</p> <p>Lab Media (Volume 200 ml) Ligand Phenyl, highly cross-linked 6% agarose, Particle size 90 µm, A high capacity HIC medium with a binding capacity for IgG and HAS up to 30 mg/ml at flow velocities of 100 cm/h.</p> <p>Lab Media (15 gm) Composition 4% agarose Particle size 90 µm average (d50, vol) for coupling to -NH₂ Activation method cyanogen bromide (CNBr) activated Coupling capacity 25–60 mg α-chymotrypsinogen /ml drained medium.</p> <p>Empty disposable Polypropylene Column (Qty 50) size 1.5 x 7.4 cm.</p> <p>Empty Borosilicate Glass, polyamide fluororuber, EPDH, TEFZEL, superpolyoxymethylene & jacketed columns (pressure max 5 bar, 10µm mesh ,) 2 each of Size 1.6 x 20, 1.6x40, 1.6x70cm with 1 adaptor , extra 1.6 cm adaptor Qty 3, packing reservoir 1.6 cm column. Tubing connector SRTC, Sample loops 100µl , 500 µl, 1ml, 5ml , PEEK Tubing 0.75mm.</p> <p>System should be supplied with online UPS suitable for the system, higher version updated PC compatible with system softwares along with coloured laser printer, cooling cabinet for system (optional).</p>
--	--

General Requirements

The supplier must have supplied similar Instrument in India and abroad. The suppliers must be a certified dealer of the instrument for that particular make. The list of users should be sent along with the quotation. The supplier must also provide along with the quotation the list of organizations that have purchased the quoted Instrument during last two years. The complete original brochure of the instrument with full details must be enclosed along with quotation.

TERMS AND CONDITIONS GOVERNING THE TENDERS FOR THE SUPPLY

1. Every tender shall be accompanied by the earnest money equal to 2% of the involved value along with a separate tender fee of Rs.1000/-. The earnest money and the tender fee should be deposited through Bank Draft in favour of the Finance Officer, M. D. University, Rohtak, payable at the State Bank of India, Maharshi Dayanand University, Rohtak.
2. The tender received without earnest money or after the due date shall not be entertained except with the special approval of the competent authorities.
3. The supplies shall be executed within the time specified in the supply order which may be extended by the Registrar on an application of the supplier explaining reasons/circumstances due to which time limit could not be adhered to. In the event of the supplier failing to supply the material within time, he shall be liable to pay as compensation an amount equal to one percent or such small amount as the Registrar may decide on the said amount of the contract, for every day that the quantity remains incomplete, provided that the entire amount of compensation shall not exceed 10 percent of the total amount of the contract. An appeal against these orders shall however lie with the Vice-Chancellor whose decision shall be final.
4. In case the contractor backs out of his contract, the earnest money deposited by him shall be forfeited besides any other action as may be considered necessary by the Vice-Chancellor.
5. All the charges including packing, forwarding and installation, taxes and other levies should be specified in the tender. The charges etc. not specified in the tender shall not be paid. The total price given should be FOR destination, which includes custom duty and clearance charges and to be bear by supplier. The CDEC will be provided by university.
6. The quantity of material/supplies shall be subject to increase on the tendered rates. This increase shall be communicated by the University within 30 days of acceptance of the tender.
7. Supplies shall be made as per the schedule and within such time as is indicated in the supply order.
8. 100% payment will be made on receipt and inspection of goods to ensure the specifications and their good condition.
10. The tenders shall be opened by the purchase committee on **14.01.2015 at 3.00 pm** in the office of Director Research, Department of Chemistry in the presence of contractor/supplier

and the committee reserves the right for negotiation thereafter if considered necessary. The committee may also reject/consider any item on quality terms.

11. The Registrar reserves the right to reject or accept any offer without assigning any reason.
12. All disputes subject to Rohtak jurisdiction.
13. Guarantee / warrantee of items must be mentioned.
14. The University stands exempted from the payment of Central Excise Duty/Custom Duty. The rates are quoted keeping that fact in view.
15. Necessary certificate will be provided by the University.
15. No tender documents will be issued and rates are to be offered on company's letter pad.
16. If a holiday occurs on the opening day, the tenders will be opened on the next working day.
17. The tenders received not in proper sealed cover shall not be considered and will be liable for rejection in a straightway.
18. Rates for each item are to be quoted in a separate letter head and are to be sent in a separate cover.

REGISTRAR