

MAHARSHI DAYANAND UNIVERSITY ROHTAK TENDER NOTICE

Sealed Tenders are invited subscribed as “Tender for Equipments” for supply of Instruments along with earnest money equal to 2% of the quoted rates on the total amount in the shape of Bank Draft along with a separate draft of Rs. 1000/- as tender fee involved in favor of Finance Officer, M.D. University, Rohtak so as to reach the Department of Environmental Sciences up to 30-10-2012 .The Tenders will be opened on 2-11-2012. For details may visit university website www.mdurohtak.ac.in

Registrar

NOTE TO BE PUBLISHED IN PRESS (only for display on website and to supply to the firm)

Sr. No	Name of Instrument	Quantity
1.	<p align="center"><u>Laminar Air Flow-Vertical (with safety feature)</u></p> <p>Make: LABTECH, METREX, NSW.</p> <p><u>Specification:-</u></p> <p>Dimensions: 1350×800×1880 (W×D×Hmm). HEPA Filter: Class 10 ULPA Filter 99.999% of 0.3 µm particle remove. Prefilter: 3 -30 µm particle removal, built in back panel. Built – In mesh guard for HEPA filter protection. Microprocessor digital LCD controller: Automatic air velocity control, UV Sterilization with on/off working timer, filter using & change time alarm. Maximum door opening alarm to protect air flow performance and safety. Air flow velocity: Down flow – 0.3~0.36m/sec In flow >0.5 m/sec. Noise Level: 56~60 Dba. Light : UV(20W), FL(20W). Material: Interior- Stainless Steel 304 Exterior-Epoxy Powder Coated Electro Galvanized Steel. Door: Tempered Safety Glass Sliding Door. Utility Device: Air Cock, Gas Cock, 220V Consent. Electric Supply : 220V 50/60Hz. Bio safety features: 100% of air is exhausted out (level-1 safety).</p>	1
2.	<p><u>GEL DOC SYSTEM</u></p> <p>Make-BIO-RAD, DNR, GE Healthcare</p> <p>Quantity: 1</p> <p><u>Specifications:</u></p> <ol style="list-style-type: none">1. Imaging system should have Automatic capabilities with application driven, user selected or recalled by protocol.2. Should have 100% repeatability via recallable protocols.3. System should have pre-calibrated focus for any zoom settings & Sample height.4. Versatile system to support wide range of applications like-Fluorescent dye like syber green, syber safe, western blotting, 2-D,1-D, Dot blotting, Nucleic acid detection, Qunatitation etc.5. Should have true 16 bit true CCD camera with resolution of 1392 x 1040.6. System can take max. sample size 21 x 25.	1

	<p>7. System should have pre-calibrated & optimized dynamic image flat fielding.</p> <p>8. It should have universal dark hood and upgradeable to chemiluminescence.</p> <p>9. Should have motorized zoom lens-f/1.2, 12-75 mm with numerical feedback value to reduce the experimental variation –Capable of optimizing, saving, and quickly recalling the imaging acquisition settings.</p> <p>10. Safe DNA Imaging without UV exposure –using the XcitaBlue Conversion screen to prevent damage from UV and preserve samples for downstream protein production.</p> <p>11. Should come with 1 D analysis software with following features.</p> <p>Single mouse click from image capture to results and reports, very fast and efficient.</p> <p>Should have comprehensive automated quantitative analysis of proteins & DNA samples in seconds.</p> <p>Intuitive and well organized (efficient) selection of workflows based on applications.</p> <p>Should calculate precisely consistently and automatically applied for every zoom position and sample height .No user intervention for focusing .All calculations are done at setup, once and for all images captures.</p> <p>Image resolution > 5 mega pixels for resolving closely spaced bands on a gel or blot.</p> <p>Pixel size 4.6 X 4.6 μm.</p> <p>Linear dynamic range > 3.0 orders for all samples.</p> <p>No camera adjustments for image acquisition so user does not have to zoom, focus, adjust aperture or select light source.</p> <p>Provides modularity with four samples trays to image a wide variety of applications-</p> <p>UV for trans-UV illumination and protein detection via colorimetric and fluorescent stains.</p> <p>White for trans-white illumination. Blue for trans-blue illumination.</p> <p>Flexibility of Stain-Free for stain- free gels and blots. Eight position filter wheel for multiplexing.</p> <p>Sample trays are customizable per user and recognized automatically to facilitates multi-user and multi-lab instruments.</p> <p>Only one emission filter should be needed to accommodate a large portfolio of detection methods : ethidium bromide ,SYBR® Green ,</p>	
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3.	<p style="text-align: center;"><u>Digital Electronics balance</u></p> <p>Make-Mettler Toledo, Shimadzu, Sartorius</p> <p><u>Specification</u></p> <p><u>Capacity-</u> 42/120gm, Readability 0.01/0.1mg.</p> <p>Repeatability 0.02 mg.</p> <p>Linearity 0.15mg.</p> <p>Pan Size: 80mm.</p> <p>Stability Time: 8s/4s.</p> <p>Calibration: Internal</p> <p>With monoblock & FACT technology</p>	1
4.	<p><u>BOD Incubator with 3 step voltage stabilizer</u></p> <p>Make: LABTECH, METREX, NSW.</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Dimensions: Inner -700×600×1000 (W×D×Hmm). Outer-860×870×1700 (W×D×Hmm). • Capacity – 420 liters. • Material: Interior- Stainless Steel (SUS 304). Exterior- Epoxy powder coated steel. • Door: Inner- Tempered safety glass. Outer- Silicon packing magnetic door. • Compressor: ISI Marked CFC Free, ½ HP. • Chamber with shelf supports, allowing wide range of shelf positions and spacing. Supplied with (3 Nos.) removable perforated Stainless Steel shelves. • Door operated illumination lamp, with to fluorescent tubes (20W). • UV tube- One (40W). 	1

	<ul style="list-style-type: none"> • Cabinet mounted on Castor wheels, for ease of movement. • Temp. : Range - 5- 60°C, Accuracy±0.1°C, Uniformity- ±0.5°C, Microprocessor temp.-controller-cum-indicator. • Display- LED 4 digit display. • Air circulating system is provided with 2 Nos. F.H. Motor with fan which keeps uniform temp. throughout the chamber. • Heating with sheathed heaters. • Humidity range: 55-95%, with digital humidity controller-cum-indicator. • Safety: Over and under temp. cut-off, over current breaker. • Electric supply: 220 V, 50/60 Hz. 	
5.	<p><u>FLAME PHOTOMETER</u></p> <p>MAKE:-LABINDIA, ELECTRONICS INDIA, SHIMADZU</p> <p><u>Specifications:</u></p> <p>No. of Filters - Na,K,Ca,Li</p> <p>Range - 0-100 ppm</p> <p>Selectivity - 5ppm</p> <p>Filters - Narrow band interference glass.</p> <p>Detector – Photodiode</p> <p>Ignition System - External</p>	1
6.	<p>ORBITAL SHAKER-CUM-BOD INCUBATOR WITH VOLTAGE STABILIZER</p> <p>Make: NSW, Metrex, Labtech.</p> <p>Minimum shaking capacity: 9 Ltr, working capacity 250 Ltr.</p> <p>Diamensions: Inner -600×600×700 (W×D×Hmm).</p> <p>With 2 no. of perforated Stainless Steel adjustable trays.</p> <p>Temp. Range: 5°C to 60°C.</p> <p>Temp. Control: Microprocessor Controlled.</p> <p>Temp. Accuracy: ±0.1°C to 0.5°C.</p> <p>Shaking Speed : Variable Microprocessor Controlled.</p> <p>Speed Range: 0 to 300 rpm. ±1rpm.</p> <p>Orbital Diameter: Not more than 20 mm.</p>	1

	<p>Platform size: 510×510mm.</p> <p>Shaking Tray: Universal platform to accommodate interchangeable clamps of assorted sizes for different capacity of conical flasks of 1000 ml, 500 ml, 250 ml, 100 ml.</p> <p>Platform Capacity: 16 Flasks ×500ml. /25 Flasks× 250ml. /9 Flasks × 1000 ml.</p> <ul style="list-style-type: none"> • No. of clamps required : 250 ml.=25 , 500 ml.=16 • Illumination: One-U.V. tube (20W), two-fluorescent tubes (20W). • Construction: Double walls, the exterior- Epoxy powder coated steel and Interior of Stainless Steel (SUS 304). • The inner door made up of plexiglass, outer door made up of Toughened Glass window in Frame with lock and Key. • Air circulating fan for maintaining uniform temp. • CFC Free compressor (I.S.I. marked) • Driver: Triple Eccentric Counter balanced drive with permanently lubricated ball bearing. • Drive Motor: Maintenance free Brushless Induction Drive Motor. • Automatic Restart: Automatic restart at pre-set speed in case of Power Failure. • Safety: Auto cut off in case of overshoot of temp., short circuit protection by MCB/Overload Glass Fuse. Power Supply- 220 volts, 50hz, AC single phase supply. 	
7.	<p><u>Demountable quartz double distillation unit</u></p> <p>Output Capacity – 5 liters</p> <p>Power Required – 220-24 V</p> <p>Biological Purity - Pyrogen free</p> <p>pH -6.9-7.0</p> <p>EC - 0.5-0.9×10⁻⁶</p> <p>Temperature -75±5°C</p> <p>Water softener</p> <p>Solenoid Valve</p> <p>MCB</p>	1

	<p>Electrical dual auto-cut off.</p> <p>ACCESSORIES</p> <p>Quartz storage vessel for collection of distillate.</p> <p>Addl. Bulb Condenser.</p>	
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TERMS AND CONDITIONS GOVERNING THE TENDERS FOR THE SUPPLY

1. Every tender shall be accompanied by the earnest equal to 2% of the involved value. The earnest money along with Rs. 1000/- as tender fee should be deposited through Bank Draft in favor 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 other 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 decided 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.
6. The quantity of material/supplies shall be subject to increase or decrease on the tendered rates. This increase or decrease shall be communicated by the University within 230 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.
9. The rates accepted by the University shall be applicable up to 31.3.2013 and the supplier shall have to make supply during the period as and when required.
10. The tenders shall be opened on 2-11-2012 at 11.30 a.m. in the office of H.O.D. Environmental Sciences by the Purchase Committee in the presence of

contractor/supplier and the Committee reserves the right for negotiation thereafter if considered necessary.

11. The Registrar reserved the right to reject or accept any offer without assigning any reasons.

12. All disputes subject to **Rohtak jurisdiction**.

13. Guarantee/warranty of items must be mentioned.

14. **The University stands exempted from the payment of Central Excise Duty/Custom Duty. The rates be quoted keeping that fact in view, Necessary certificate will be provided by the University.**

15. No tender documents will be issued and rates are to be officered 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