

MAHARSHI DAYANAND UNIVERSITY, ROHTAK

DEPARTMENT OF CHEMISTRY

Sealed Tenders are invited subscribed as “Tender for Equipments” for the supply of Instruments as per details given on website along with earnest money equal to 2% of the quoted rates on the total amount involved in the shape of Bank Draft along with a separate draft of Rs. 1000/- as tender fee in favor of Finance Officer, M.D. University, Rohtak so as to reach the Head, Department of Chemistry up to 31-12-2013. The Tenders will be opened on 03-01-2014. For details may visit university website *www.mdurohtak.ac.in*

REGISTRAR

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. The earnest money 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 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.
9. The rates accepted by the University shall be applicable up to 31.3.2014 and the supplier shall have to make supply during the period as and when required.

10. **The tenders shall be opened in the office of H.O.D. Chemistry on 03-01-2014 at 11.30 a.m. 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 reserves the right to reject or accept any offer without assigning any reasons.
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 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 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

DEPARTMENT OF CHEMISTRY
LIST OF INSTRUMENTS TO BE PURCHASED DURING
XII PLAN PERIOD (2013-14)

S. No	Name of Item	Specifications	Qty. Reqd
1	ULTRASONIC INTERFEROMETER	Dual Frequency Ultrasonic Generator: 2&4MHz, Liquid Cell (2&4MHz) (Special grade Non Magnetic Stainless Steel) Top reflector assembly with insulating sleeve and Digital Vernier micrometer .25mm (L.C. 0.001mm), Base &R.F. Cable Accuracy: 0.03%	Two
2	DIPOLE METER	(i) Frequency Counter 4- digits (ii)Oscillator : 500KHz (iii)Electronic Circuit Dielectric Cell Unit consists of (i)Dielectric Cell (Stainless steel) assembly (ii)Beaker (100ml) (iii)Insulation: Teflon	One

3	Micro processor based UV/VIS Spectrophotometer	Wavelength: 190 to 1000nm Spectral Bandwidth 2nm Accuracy $\pm 0.5\text{nm}$ Repeatability: $\pm 0.3\text{nm}$ Resolution : 0.1nm Read out wavelength: 4 digit 7segment LED Photometric Range : 0.005 Abs at 1.0Abs ± 0.010 Abs at 1.5 Abs Repeatability : $\pm 1\text{count}$	Two
4	Microprocessor Based Conductivity Meter	Range : 0-20, 0-200 μS ; 0-02, 0-20, 0-200 mS Accuracy : $\pm 0.5\%Fs \pm 1$ Digit Resolution : 0.01uS Cell Constant : Adjustable (0.05-10.5) Temperature Compensation : Auto/Manual (0-50 ⁰ C) Temperature Coefficient: Adjustable (0.1- 4.0%) Power : 230V \pm 10% AC, 50Hz Accessories: Conductivity cell, Temp. Prob, Dust Cover, Instruction Manual	Six

5	Analytical Weighing Balance	Capacity : 220gm Readability : 0.1mg Calibration : Automatic Internal Built in date and time as per GLP Overload protection up to 100Kg Option of data transfer to PC without use of any software Pan Size 90mm or more Printer/PC connectivity via RS232 Functions like piece counting, Formulation, totaling, check weighing, Free factor, density Check weighing function against reference weight	Six
6	Single Pan Electric Weighing Balance	Capacity: 200gm, Sensitivity: 0.1 mg and Capacity: 100gm, Sensitivity: 0.01 mg	Five
7	pH Meter	pH Range : 0.00 to 14.00 pH Resolution/Accuracy: 0.01pH/± 0.01 pH mV Range: ± 1999 mV Resolution/Accuracy: 0.1 (± 199.9mV)/1mV(>± 199.9mV) ± 0.2(± 199.9mV) / ± 2mV (>± 199.9mV) Temp. Range : 0.0 to 100.0° C Resolution/Accuracy : 0.1° C(0.1° F) / 0.3 ° C (0.5 ° F) Buffer Options: USA: pH 1.68, 4.01, 7.00, 10.01, 12.45 NIST: pH 1.68, 4.01, 6.86, 9.18, 12.45 Dual display of pH or mV with temperature selectable	Four

		USA or NIST Buffer standard Software+ bromide selective electrode	
8	Digital Melting Point Apparatus	Silicon oil bath and built in magnetic stirrer for uniform heating , Readability: 1 ⁰ c Temp. 0-300 ⁰ c; Four digit Seven segment Red LED display	Two
9	Vacuum Oven	Double Walled , Range up to 150 ⁰ c, Thermostatically controlled Fitted with vacuum gauge, Size: 250x300mm, with digital Temperature controller; Accuracy: $\pm 2^0$ C	Two
10	Ice Flaking Machine	Stainless steel body, Capacity: 35Kg / 24Hrs, storage tank capacity: 20 Liters	One
11	Vernier Potentiometer With Accessories	Total Range: 0to 1.9 volts in three ranges in step of 0.1 Microvolt. Resistance: 100 Ohms per volt Accuracy: +-0.005% or0.00002 volts on normal range.	Three
12	Magnetic Stirrer with Hot Plate	Capacity: 2Litres, Size: 200x225x185 mm, Stirring paddle: 9x35mm, Temperature up to 340 ⁰ C with display, Speed range: 100-1500 rpm.	Four
13	Laboratory Centrifuges	Size: 380x470x300mm, Maximum speed: 4500 rpm, Max. Capacity: 400ml, with 8x15ml swing intagle heads	Two
14	Hot Plates Rectangular	Size: 250x300 mm, Mild steel plate, Energy Regulator Controlled	Six

15	Heating Mantles	Capacity: 500ml (6) Capacity: 1000ml (6) Capacity: 2000ml (6)	Eighteen
16	Source meter	Kiethley Source meter 2400 (with Latest computer) for I-V characterization General purpose 4 terminal test lead set USB to GPIB interface adapter model	one