

Dyno - UCC/Chem/887
11.7.13

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MAHARASHI DAYANAND UNIVERSITY ROHTAK
DEPARTMENT OF CHEMISTRY

No. CHEM/MDUR/2013/ 84.36
Dated 11/07/2013

To

M.D.University. Website

Sealed quotations for the equipment mentioned in list are invited by Registered Post so as to reach the undersigned by 30/07/2013

The quotations are to be sent in an envelope marked quotations DUE ON 30/07/2013 and this envelope may be put in another outer envelope addressed to the undersigned.

Sr. No. Name of the items

Name of the items and their specification list is attached with Enquiry Letter

Head,

Department of Chemistry

Professor & Head,
Deptt. of Chemistry
M.D. University, Rohtak

G. Sanyal
11/7

K. Sanyal
11/7/2013

DEPARTMENT OF CHEMISTRY

List of equipment for purchase 2013-14

Sr No	Name of Item	Specifications	Qty. Req
1.	High Temp. Programmable Muffle Furnace	<p>Model: MF -14 P</p> <p>Maximum Temp.: 1400° C Working Temp: 1350° C Temp. Accuracy: ±1° C Heating Elements: Silicon Carbide, with end connection, easily replaceable. Inner Chamber: Ceramic Board with base plate of Silicon Carbide, with heating elements placed on the top. Insulation: Ceramic Fibre of Zirconia grade Construction: Tripple walled with air insulation on the outer side For Minimal Skin Temp. Body: Made of mild steel duly Powder Coated Door: Hinged type insulated with ceramic fibre and has a viewing cap. Power Control: SCR unit (Phase Angle Thyristor) Temp. Control: Microprocessor based PID Programmable controller with 4 prog x 16 segments (ramp / soak). Dual display of Set & Actual Temp. with soft touch keys. With Thermocouple break protections & Cold junction compensation. CE mark to Meet EMC regulations. Sensor: Pt / Pt - Rh 13% Safety: Over current and Short Circuit Protection. Thermocouple break alarm. High Temp. alarm. Power Supply: 220 volts, single phase AC supply.</p> <p>Inner Muffle Size : W x H x D 125 x 125 x 250 mm (5" x 5" x 10")</p>	
2	Micro Wave oven	(1300 - 1400) NSW RE1200Type	
3	JCPD Data File(Required for XRD)		
4	Hot Air Oven	(150 ⁰ C - 300 ⁰ C) -- NSW	
5	Weighing Balance(Scientific Balance, KSB-07 Chainomatic With weight Box) a).1mg	<p>Model : DAB 120 Capacity : 120gm Readability : 0.1mg</p>	

	<p>(a) .1mg</p> <p>(b) .01mg</p> <p>(c) .001mg</p>	Repeatability : 0.1mg Linearity : +-0.2mg Pan Size : 90mmQ Response Time : 4-5 Sec. Calibration : Automatic External Tare Range : Full Opening Temp. : 1 5°C to 35°C Housing Dimension : 195x 275 x 406 mm Weight Approx. : 11Kg Power Supply : AC Adaptor 220 V, 50-60 Hz Data Output : RS232C	
6	Conductometer (10 ⁻⁶)	Auto Ranging, ATC Rang: 0-200 milli Siemens	
7	pH Meter	0.01 pH, Digital pH rang:-2to16pH; Accuracy+-0.2mv Range: 399.9mV N-5170E	
8	Soil Auger	stenelessateel	
9	Heating Mental	5 Liter	
10	Micro processor UV/VIS Spectrophotometer	Wavelength: 190to 1000nm Spectral Bandwidth 2nm Accuracy +- 0.5nm Repeatability: +-0.3nm 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 : +-1count	

Note : Equipment required for M.sc. Classes will be purchased first on priority, the research equipment will be purchased if funds are available after that.

K...
11/7/2013

**Professor & Head,
Deptt. of Chemistry
M.D. University, Rohtak**