



Department of Pharmaceutical Sciences
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NO:- Pharm.Store/Quotation/Enquiry/2013

Dated 08/02/2013

Inviting Quotation Notice

Department of Pharmaceutical Sciences, Dr. H. S. Gour Vishawavidyalaya Sagar (MP) invited the Quotations for the following items:

1. Lyophilizer
2. Double Beam UV Visual Spectrophotometer
3. Laboratory Spray Dryer
4. Dissolution Apparatus

Please quote your rates, terms, time of delivery, taxes etc. in DUPLICATE for the items stating make, quality and full specifications and submit your quotations in a duly sealed cover envelope latest by 25/2/2013.

Please also mark our reference No, date, “Quotation for [Name of Instrument]” due on dated 25/2/2013 on the cover of quotation and also quote F.O.R. SAGAR only.

Please make sure that there must be a SEPARATE QUOTATION FOR EACH ITEM that may please be sent preferably by Registered post / speed post / courier to the “The Head Department of Pharmaceutical Sciences, Dr. H. S. Gour Vishawavidyalaya Sagar (MP).

Please furnish documentary proof that you are a Manufacturer/Authorized dealer/Sole distributor for the Instruments quoted for.

HEAD DEPT. OF PHARM. SCIENCES

Encls:-Detailed Specifications of above items are enclosed.

Detailed Specifications of all required items

01. Lyophilizer

Model:	Floor
Free load temperature	<-45 to-55 ^{OC}
Free load freezing area	0.07-0.18M ²
Disc packing capacity	0.7-2L
Vacuum degree	<15pa
Water catching ability	4 kg/24 hr
In build pre freezing	
Vacuum pump	2-stage capacity direct driven rotatory oil
Vacuum indicator	digital
Vacuum level	0.999 to 0.001 m bar

02. Specifications of Double beam UV visible spectrophotometer

Wavelength range	190-1100
Optical system	Double beam
Spectral bandwidth	1nm
Stray light	0.05 or less (220nm for NaI 340nm for NaNO ₂)
Wavelength accuracy	± 0.1nm
Wavelength reproducibility	± 0.1nm
Baseline stability	0.0003 Abs/h at 500nm, 2hr after power on
Photometric range	-3 to 3 Abs, 0 to 300% T
Detector	Dual silicon photodiode
Light source	Xenon flash lamp (5 years life time warranty)
Resolution	> 1.5 peaks to value ratio
Scanning speed	< 1-6000 nm/min variables
Drift	< 0.0005A/hr
Noise level	± 0.00015 Abs (at 500nm)
USB Connections	

03. Specification of Advanced laboratory Spray Dryer

Features:- Aceptic GMP Unit
Solvent/Aqueous Feeds
Co-Current Spray
Twin Cyclons
PLC/Touch Screen Operation
RS 232/485 Port Capacity 1.0 kg/hr Water Evaporation Rate
A Total Plant On Wheels With Best Yields

Add On/Upgradeable/Compatible Features:-
Counter Current Spray

4. Specifications of Dissolution Apparatus

1. Control:--Microcontroller based (Advanced version of microprocessor)
 2. Display: 40x2 line back lighted liquid crystal display(LCD)
 3. keyboard:-Alphanumeric splash waterproof polyester soft keys.
 - 4 Method Storage:-15 programs with parameters.
 5. Data Storage:-Available with non-volatile memory.
 - 6 water bath:-17 litres capacity with built-in water level sensor/front located drain draining of the waterbath
 7. Bath Circulation:-Immersion pump.
 - 8 Temperature Range :30 C to 40 C
 - 9 Temperature Resolution: 0.1 C
 - 10 Temperature Control Accuracy: +0.1 C
 11. Temperature Sensor PT-100(RTD)
 12. Paddle/Basket Shaft Speed:Range 20 to 250 RPM+1%
 - 13 Dissolution Vessel:option for polycarbonate/Glass Vessels
 - 14 Sampling Time Selectivity:-Fixed/Programmable(varying intervals)
 - 15 Time interval Selectivity:-In steps of 1 minute
 - 16 Maximum Number of intervals:30
 17. Dissolution Process Time: 1 min. to 720 hours Electivity:
fixed/Programmable(varying intervals)
 - 15 Time interval Selectivity:-In steps of 1 minute
 - 16 Maximum Number of intervals:30
 17. Dissolution Process Time: 1 min. to 720 hours
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