



DEPARTMENT: PHARMACEUTICS

QUOTATION ENQUIRY

Ref: IIT (BHU)/PH/2015-16/QTN/M/Web-1

Due Date: 31.12.2015

Date: 10.12.2015

(Last date of quotation receiving)

(Date of tender enquiry)

To
M/s.....

Dear Sir,

Please submit your lowest rate for supplying the under mentioned items. Quotation in duplicate must reach us before the date marked above and should contain the following information:

1. Full specification and make of the item offered and its rate F.O.R. Varanasi/CIF New Delhi.
2. Sales tax at concessional rate as applicable to educational institution.
3. Your VAT / CST registration number, PAN & TIN numbers.
4. Conditions of supply and terms of payment.
5. If you are a manufacture of the item or if you have proprietary right over it, please mention it in the quotation and provide a certificate.
6. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
7. Please give undertaking as per annexure-I-B

Quotation must be sent in a **sealed envelope** with word “**QUOTATION**”, our reference number, and due date as given above, clearly marked over it.

SL. NO.	Name of Items	Description / Technical Specification	Quantity
1	UV-VIS Spectrophotometer	1. Double beam photometric optical system with blazed holographic grating (1200 lines/mm or better) 2. Detector Photomultiplier tube 3. Setting and measurement wavelength range not less than 200-800 nm 4. Wave length accuracy not less than ± 0.5 nm (all range) 5. Wave length repeatability not less than ± 0.1 nm 6. Wave length scanning speed upto 4000 nm/min 7. Photometric Range -5 to 5 Abs or less 8. Light source auto position adjustment built in halogen lamp, deuterium lamp/xenon lamp 9. Resolution not less than 0.1 nm (not less than -5 to 5 Abs) 10. Noise level not more than 0.0001 RMS 11. Power requirement 230 V, 50 Hz 12. UV Probe, UV Validation Software usable with Windows Operating System.	01

2	FTIR Spectrophotometer	<ol style="list-style-type: none"> 1. System should be compatible for Solid, liquid, and thin film samples. Holder for all kind of samples should be included in the quote. 2. It should have the working spectral range from 8000-400 cm^{-1} 3. The Beam source should have long life with three years free replacement warranty. 4. System should be equipped with KBr/ZnSe Beam splitter. 5. All the optics /mirrors must be coated with highly reflective materials. 6. The Spectrometer enclosure should be properly sealed and moisture resistant and if there is any special kind of prevention taken care by your company, please mention. 7. It must contain type of detector either DTGS or MCT. 8. It should have Single to noise ratio should be not less than 30000:1 peak to peak in 1 min scan or better. 9. The Wavelength precision should be 0.01 cm^{-1} or better and accuracy 0.1 or better. 10. The Resolution should be better than 0.5 cm^{-1} 11. It should contain advanced interferometer and its optical design should be provided along with the technical bid. Warranty on interferometer should be at least 5 years. 12. Optical system should also be compatible for all the accessories and detectors. 13. It should have Minimum input/output port for external measurement, which should be 3. 14. It should have future up gradation with ATR and other newer accessories. 15. Supplier should provide FTIR data acquisition software with latest hardware configuration 16. System should be supplied with the following items: Oil free, imported Hydraulic press with Agar pestle and mortar. Liquid cell holder and demountable cell with NaCl windows for viscous/semi solid samples, KBr die set, Assorted Rectangular Teflon Spacers, KBr Circular and rectangular Windows, Universal KBr pellet Holder, KBr (4x250g) should be supplied with instrument. 17. The quoted system should be certified as complete for carrying out the measurement of: <ol style="list-style-type: none"> a. FTIR spectra of a variety of samples such as solids, liquids, gels, films etc. b. FTIR spectra of organic, inorganic, organometallic compounds 18. FTIR spectral library of pharmaceutical drugs and polymers should be quoted optionally. 19. Installation and Training to be provided at installation site. Installation requirements to be submitted in advance. 20. A minimum of Two year Warranty (First and second year) is mandatory with the System. Additional one year is optional. 	01
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N.B. : Other terms & conditions pertaining to item mentioned above, shall be mentioned below/attached:

The Sealed quotations will be opened on 04.01.2016 at 3:00 p.m. in the office of the Deptt. of Pharmaceutics, IIT (BHU), Varanasi.

**Head, Department of Pharmaceutics,
IIT (BHU), Varanasi-221005**