

Indian Institute of Technology (BHU)
DEPARTMENT OF CHEMISTRY

ENQUIRY for Fluorescence Spectrophotometer

Ref.No: IIT(BHU)/Chem/PCP/IPR/spectrophotometer/01

Due date: 24-02-2017 Date of enquiry 06-02-2017

M/S -----

Dear Sir,

We intend to purchase following materials/item for our Deptt. Kindly arrange to send your QUOTATION giving lowest rates per unit along with terms and conditions in sealed cover addressed to so as to reach this office on or before 24-02-2017. THE WORD "QUOTATION," OUR REFERENCE NUMBER AND DATE SHOULD BOLDLY BE MENTIONED ON THE COVER along with following information;


1. Full specification and make of the item offered and its rate F.O.R. Varanasi/CIF Delhi
2. Sales tax at concessional rate as applicable to educational Institution
3. Your VAT/CST registration number, PAN & TAN nummers
4. Conditions of supply and terms of payment,
5. If you are the manufacturer of the item or if you have proprietary right over it, please mention in the quotation and provide a certificate,
6. Please mention your agency commission in Indian Rs., if applicable,
7. Please an undertaking as per annexure-10B.
8. Further, if you want to quote any additional feature, you are suggested to use a separate sheet..

The Firms should comply the following specifications:-

SPECIFICATIONS :

Sensitivity	: S/N 20000:1 or better (RMS) using Raman band of water Excitation wavelength 350nm, bandwidth 5 nm, response 2s.
Minimum sample volume	: 0.6 ml (in use of standard 10 mm rectangular cell)
Photometric Principle	: Monochromatic light monitoring ratio calculation
Light source	: Ozone free 150W Xenon lamp, self- deozoneating lamp
house with lifetime of 2500 hours (continuous source)	
Brazed wavelength	: Excitation side 300nm, emission side 400nm
Measuring wavelength range (on both EX and EM)	: 200 to 750nm, and zero order light (expandable upto 900 nm with optical detector)
Band pass	: Excitation side : 1, 2.5, 5, 10, 20nm : Emission side: 1, 2.5, 5, 10, 20 nm
Wavelength Accuracy	: ± 1 nm
Wavelength repeatability	: 0.2 nm
Wavelength readability	: 0.1 nm
Detector	: Photomultiplier tube (PMT) (Standard);
Wavelength Scan speed	: 30, 60, 240, 1,200, 2,400, 12,000, 30,000 60,000 nm / min
Wavelength drive speed	: 60,000 nm / min
3D measurement time	: 3 min
Data Processing Unit	: PC : Windows
Working temperature/humidity:	: 15 to 35°C, 45 to 80% (condensation not allowed, 70% or less at 35°C or higher)
Power consumption	: 100, 115, 220, 230, 240V AC, 50/60 Hz, 380 V
FL Solutions Program	: Standard Software
Interface	: USB interface for communication with the computer. : Capable of measuring fluorescence/phosphorence/luminiscence

Yours faithfully


P C Pandey

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