

QUOTATION ENQUIRY (CORRIGENDUM)

Ref: IIT(BHU)/Chen/ PCP/IP/IPR/spectrophotometer/0 I

(Date of tender enquiry : 07-02-2017)

Due Date: 24/02/2017, 5:00 PM (Last date and time of quotation receiving)

Note:

More specific specification along with has been added with earlier enquiries with Ref: IIT(BHU)/Chem/ PCP/IP/IPR/spectrophotometer/0 I dated 07/02/2017 with due date 24/02/2017. Please send your bid with new ref. number by adding this accessory. Last date has been extended to 25/02/2017.

TECHNICAL SPECIFICATION FOR FLUORESCENCE SPECTROPHOTOMETER

PC controlled system for fluorescence, phosphorescence and luminescence measurements with life time measurement facility without any special accessory

Sensitivity	: S/N 15000 or better (RMS) using Raman band of water S/N 250 or better (Peak to Peak) Excitation wavelength 350nm, <u>bandwidth 5 nm</u> , 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	: 150W Xenon lamp, self- deozonating lamp house
Monochromator	: Stigmatic concave diffraction grating : 900 lines /mm, F2.2 Braze wavelength : Excitation side 300nm, emission side 400 nm
Measuring wavelength range (on both EX and EM)	: 200 to 750nm, and zero order light (expandable upto 900 nm with optical detector)
Bandpass	: Excitation side : 1, 2.5, 5, 10, 20nm Emission side: 1, 2.5, 5, 10, 20 nm
Resolution	: 1.0 nm
Wavelength Accuracy	: ±1nm
Wavelength repeatability	: 0.1 nm
Detector	: Photomultiplier tube (PMT) (Standard);
Variable 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
Response	: Response from 0 to 98% : 0.002, 0.004, 0.01, 0.05, 0.1, 0.5, 2, 4s
Photometric value range	: -9999 to 9999
Data Processing Unit	: PC : Windows XP Professional
Printer	: Printer compatible with Windows XP
Dimensions / weight	: Spectrophotometer: 620 W x 520 D x 300 H mm (excluding protrusions)/ 41 kg
Working temperature/humidity	: 15 to 35°C, 45 to 80% (condensation not allowed, 70% or less at 35°C or higher)
Power consumption (spectrophotometer)	: 100, 115, 220, 230, 240V AC, 50/60 Hz, 380 V
FL Solutions Program	: Standard Software
Interface	: USB interface for communication with the computer.
Standard Software	: Windows 7 based FL Solutions Program for controlling the instrument and its accessories. Data processing features such as quantitative analysis, wavelength scan measurement, time based measurement such as phosphorescence life time, 3-D measurements, Data export to Microsoft Excel, Print preview etc.

Main unit supplied complete with : (one quantity each)

- 150W Xe lamp
- Cell for Fluorescence, 10 mm pathlength

- Light Diffuser
 - Triangular cell with metal fittings
 - Rhodamine B (5 ml x 5)
 - Syringe for Rhodamine B
 - Red Filter (single side frosted)
 - Filter Holder
 - Tools (screw driver etc)
 - Power cord
 - Instruction manual (Maintenance manual)
 - Instruction manual (Operation manual)
 - FL Solutions Program (CD-R)
 - USB Cable (1.5m)
- Quartz Cuvettes (02) – Volumes 3.5ml.**

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INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI

TO BE RETURNED

Following proforma should be filled in and duly signed by the firm and sent alongwith the quotation. (Please refer to the detailed instructions/notes before filling this proforma).

1. Validity of the offer :
2. Approximate Delivery Period :
3. (a) Whether rates have been quoted F.O.R. site and covers packing forwarding and insurance charges. : YES / NO
- (b) If not, please mention the same :
4. (a) Whether the prices are inclusive of Sales Tax and other taxes. : YES / NO
- (b) If not, kindly specify the amount / rate :
5. If the Sales Tax is charged extra, declaration for charging Sales Tax correctly attached. : YES / NO
6. (a) Whether supply will be made directly or through any Local / Regional / Authorized Dealer / Stockist : Directly/Stockist/Authorized Dealer
- (b) If through a Stockist / Dealer: -
 - (i) Name and full address of the Party :
 -
 - (ii) Whether the order to be placed with the : Principal / Stockist / Dealer
 - (iii) Who will raise the bill : Principal / Stockist / Dealer
 - (iv) Cheques will be drawn in favour of : Principal / Stockist / Dealer
 - (v) Whether any Delivery, Packing and Forwarding YES / NO

Charges will be payable to local Stockist/Dealer: (Please specify the amount/percentage etc, if any)

7. Our terms of payment (Please indicate your preference by a (✓) mark). Please note that no other payment terms are likely to be accepted.

(a) For Local Firms or if the bills are raised by the Local Dealers.

- (i) 100% Payment on bill basis :

OR

- (ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report.

(Only under exceptional cases)

(b) If the bills are raised by outstation Firms

(i) 100% Payment on bill basis :

OR

(ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation

and satisfactory report :

OR

(iii) D.G.S. & D. Terms of Payment for D.G.S. & D Rate Contract items :

OR

(iv) 75% against Proforma Invoice (at site) or documents through Bank and 25% after receipt of materials in good condition, installation and satisfactory report. :

OR

(v) 90% payment against Proforma Invoice (at site) or documents through bank and 10% after receipt of materials in good condition, installation and satisfactory report (Only under special Circumstances). :

8. Whether any Excise Duty is payable on the items. : YES / NO
If yes, indicate the amount / percentage. :%

9. Whether any installation charges are payable extra. : YES / NO
If yes, amount to be specified. :

10. Whether any discount for educational institution :
offered on the printed price list of the manufacturer. : YES / NO
Please mention the amount / percentage. :

11. Whether the product is on DGS &D/D.I. Rate contract. :
If yes, please enclose a photocopy of the same. : YES / NO

12. Whether the product bears I.S.I. Mark. : YES / NO
If yes, please mention the I.S.I. License no. :

13. (a) Whether the firm is Sales Tax payer. : YES / NO
If yes, please mention the Sales Tax Numbers. :

(b) Whether the Local Dealer(s) is / are Sales Tax payer(s) : YES / NO
If yes, please mention the Sales Tax numbers of each :

14. Whether printed / authenticated price list of the Firm's Products and Catalogue etc. enclosed. : YES / NO

Signature of the Authorised Official with Seal

TO BE RETURNED WITH QUOTATION

UNDERTAKING

WE HEREBY UNDERTAKE THE FOLLOWING:

1. We will not sell the product (s) to other institutions, bodies and also in the market on the rates less than those quoted by us to the Institute.
2. The goods on which Sales Tax has been charged are not exempted for payment of Sales Tax under C.S.T. Act or U.P.S.T. Act or the rules made there under and the amount mentioned on account of Sales Tax on goods is not more than what is payable under the provisions of the relevant Act or Rules made there under.
3. The rate of Excise Duty mentioned in the quotation is in accordance with the provisions of the rules and the same is payable to the Excise Authorities in respect of the stores.
4. The goods / Stores / articles offered shall be of the best quality and workmanship and their supply will be strictly in accordance with the technical specifications and particulars as detailed in the quotation.
5. The information furnished by us in the quotation is true and correct to the best of our knowledge and belief.
6. We have read and understood the rules, regulations, terms and conditions and agree to abide by them.

Authorised Signatory
(Seal)