

NOTICE INVITING LIMITED TENDERS

Ref.No.: IIT (BHU)/SMST/2016-17/CU/417 date: 09/02/2017

School of Materials Science & Technology, Indian Institute of Technology

(Banaras Hindu University), Varanasi, India invites quotations for instrument as listed below:

1. Fluorescence Spectrophotometer

Date of Submission: **09th February, 2017**
Date of Query Start and End: **11/02/2017 to 22/02/2017**
Last date of Submission: **27rd February, 2017**
Date of Bid Opening: **28th February, 2017 at 04:00 PM at CIF, IIT (BHU), Varanasi**
Date of Supply: **Within 90 days.**

Quotation must be sent in a sealed envelope with word "QUOTATION", and due date clearly marked over it.

Approx Cost: 10 Lacks Qty. 1

Tender Specifications for "Fluorescence Spectrophotometer"

Please submit your lowest quotation 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 sales tax registration number and TAN number.
4. Conditions of supply and terms of payment.
5. If you are a manufacturer 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.

Item Name: Fluorescence Spectrophotometer

The system should be able to perform quantitative analysis of fluorescence/Phosphorescence/luminescence and plot for calibration curve, two/three-wavelength calculations, peak ratio, peak area, quantitation via differentiation interruption, sample blank measurement etc. The system should also be capable of performing Contour Plotting, Peak detection, Calculation between files etc. Further the capability of Time Scan of fluorescence/phosphorescence within 1.0 ms is desirable.

1. Technical specifications of steady state fluorescence spectrometer with accessories

1. Source: 150W Xenon arc lamp
2. Optical system: Czerny-Turner or equivalent with advanced grating
3. Detectors: High performance PMT
4. Spectral bandwidth: 1 to 20 nm (continuously adjustable and computer controlled)
5. Wavelength range: 240 to 850 nm or better
6. Wavelength accuracy: ± 1.0 nm or better
7. Wavelength Repeatability: ± 0.5 nm or better
8. Resolution: ± 2 nm or better
9. Sensitivity: S/N ratio 800:1 or better using Raman Band of water
10. Wavelength scan speed Up to 4000 nm/min or better
11. Response: Response from 0 to 98%: 0.004, 0.01, 0.05, 0.1, 0.5, 2, 4, 8 s or better
12. Photometric value range : -9999 to 9999 or better
13. Working humidity: 45 to 80% (condensation not allowed, 70% or less at 35°C or higher)
14. Standard Sample holder: Solid (powder/palette/film) sample holder and liquid sample holder for 10 mm cuvettes.
15. Software: Software should be User friendly, original licensed Windows based operating software in the form of CD ROM for the control of above measurements, data acquisition, data processing and data analysis. It should have built in features like have facility for scan application, kinetics study, concentration determination etc. Solid (powder/palette/film) sample holder and liquid
16. Accessories:

The system should be quoted with all required accessories as an optional. Sample holder option should be quoted for fixing customized electro- luminescence cell.

Peltier controlled cell holder with temperature precision of 0.5 ° C/min (optional).
17. PC, Printer Branded desktop PC with latest compatible configuration.
18. Warranty: 1+ additional 2 Years.
19. Up Gradation: NIR up gradation with NIR PMT up 1500 nm (optional)

Note: All accessories and PC printer should be quoted separately

(Chandan Upadhyay)

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. : YES / NO
If yes, please enclose a photocopy of the same. :

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)