

Inter-University Centre for Advanced Materials Research, University of Kerala,
Kariavattom - 695581

TENDER -Pl.A1/IUCAMR /17

Dated 01.12.2017

E-Tender Notice

Inter-University Centre for Advanced Materials Research, University of Kerala, Kariavattom, invites open tender through e-Procurement (two cover system) from the Original Equipment Manufacturers or their Authorised Dealers for the supply, installation and commissioning of **Ultraviolet-Visible Near Infrared (UV/Vis/NIR) Spectrophotometer**

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| Last date and time for submission of tender online | 16.12.2017 AT 5.30 P.M |
| Date and time of opening of tender | 20.12.2017AT 11.00 AM |
| For technical details contact | Dr. T.S. Anirudhan, Professor & Director, Co-ordinator, IUCAMR e-mail: tsani@rediffmail.com Phone No. 9446684887 |

For further details logon to www.etenders.kerala.gov.in

**Technical Specifications for Ultraviolet-Visible Near Infrared (UV/Vis/NIR)
Spectrophotometer**

Technical Specifications

- (i). Wavelength range (in nm): 190 – 2700.
- (ii). Wavelength Accuracy (in nm): ± 0.1 to ± 1.5 .
- (iii). UV/Vis resolution (in nm): ≤ 0.05 .
- (iv). NIR resolution (in nm): ≤ 0.5 .
- (v). Detector: Photo multiplier tube (PMT).
- (vi). UV/Vis Wavelength reproducibility (in nm): ≤ 0.05 .
- (vii). NIR Wavelength reproducibility (in nm): ≤ 0.10 .
- (viii). UV/Vis Photometric accuracy (in absorbance): ± 0.0010 to ± 0.01 .
- (ix). NIR Photometric linearity (in absorbance): ± 0.001 to ± 0.005 .
- (x). UV/Vis Spectral bandwidth (in nm): 0.1 to 10.00 nm for UV-Visible.
- (xi). NIR Spectral bandwidth (in nm): 0.5 to 50 nm for NIR.
- (xii). UV/Vis Photometric range (in absorbance): 0 to 4 for UV-Visible.
- (xiii). NIR Photometric range (in absorbance): 0 to 3 for NIR.
- (xiv). Power Supply: AC: 100-240 V, 50/60 Hz, 150 VA
- (xv). Computer and Printer: With windows 10 operating system suitable for smooth functioning of the instrument

Essential Conditions

1. Price quoted should be CIP Department of Chemistry, University of Kerala, Kariavattom campus, Trivandrum-695581.
2. Three years comprehensive warranty should be included in the quoted price.
3. Additional three years warranty/AMC after the expiry of the quoted 3 years warranty may be quoted separately.
4. UPS 5KVA with minimum one hour back up should be included in the quoted price.
5. Complete set of instruction manuals and circuit diagrams should be supplied.
6. Prices may be quoted item wise wherever possible.
7. Complete installation, testing and demonstration of the system and full training on operation and day-to-day maintenance are to be provided at site on free of cost.
8. Common tools and essential spares necessary for the operation, servicing or trouble shooting should be supplied on free of cost.
9. User list in India to be provided for the same model with contact number and e-mail.
10. An undertaking to the effect that the quoted system will be supported (by service and spare parts) for a minimum period of 6 years to be submitted along with the quote.
11. A signed compliance matrix (on specifications and conditions) to be submitted along with the quote.
12. Any other accessories which are needed for the trouble free operation of the instrument should be included.
13. The quoted items should satisfy all the specifications and the essential conditions specified above otherwise the tender may be rejected.

General Conditions

1. Equipments must be of the most recent series/models incorporating the latest improvements in design.
2. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
3. **Payment Terms:** Payment shall be made after successful installation.
4. **Validity of tender:** Tender submitted shall remain valid at least for 90 days from the date of opening the tender. If necessary the validity of the offer should be extended to additional 3 more months.

5. **Delivery and installation:** Delivery and installation and training for a minimum of three people should be made at University of Kerala, Kariavattom campus, Trivandrum-695581, without any extra cost.
6. **Service facility:** Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support.
7. The model number, make, and a printed literature of the product shall be submitted positively.
8. In case of any dispute, the decision of the University authority shall be final and binding on the bidders.
9. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.

REGISTRAR