

**Department of Nanoscience and Nanotechnology, University of Kerala,
Kariavattom, Thiruvananthapuram-695 581
Ph.No. 0471 2308863, E-mail: nanostech.ku@gmail.com**

TENDER – No. PI.A1/ KU/DNST/ ET-01/2016-17

Dated: 17th January 2017

E-Tender Notice

Department of Nanoscience and Nanotechnology, University of Kerala, invites open tenders through e-Procurement from reputed manufacturers/authorized distributors/ Indian Agents with sound Technical and Financial capabilities for the **Supply one number of UV-Visible-NIR Spectrophotometer.**

Last date and time for submission of tender online	04.02.2017 at 5.30 PM
Last date and time for submission of tender offline	04.02.2017 at 5.30 PM
Date and time of opening of tender	09.02.2017 at 11.00 AM
Hard copies of sealed tenders to be submitted to the office of	The Registrar, University of Kerala, Senate House campus, Palayam Trivandrum- 695 034, Kerala.
For technical details contact	Head-in-charge, Department of Nanoscience and Nanotechnology, University of Kerala, Kariavattom campus, Kariavattom P. O., Trivandrum- 695 581, Kerala. Phone: 9447421844, 0471-2308863 Email:nanostech.ku@gmail.com

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

TECHNICAL SPECIFICATIONS OF UV-VISIBLE-NIR SPECTROPHOTOMETER.

Sl. No	Name of item	Description
1	UV-Visible -NIR Spectrophotometer	<p>UV-Visible -NIR Spectrophotometer having wavelength range 200 nm (or lower) to 3200 nm with the essential parts and software required for recording accurately the spectra at room temperature of powder, film, solid and liquid samples.</p> <p>Detector : Ultraviolet and visible regions: PMT or equivalent NIR region: Combination of InGaAs photodiode and cooled PbS photocell/detector or cooled PbS photocell/detector</p> <p>Stray light (%T) : 0.00008% or less (at 220 nm) 0.0005% or less (at 1420 nm) 0.1% or less (at 1690 nm)</p> <p>Wavelength Range : 200 nm (or lower) to 3200 nm (or better)</p> <p>Wavelength Accuracy : UV-Vis :+/- 0.3 nm or better NIR : +/- 1.5 nm or better</p> <p>Photometric Range : 6Abs or better</p> <p>Baseline stability : 0.0002 A/h or better</p> <p>Baseline Flatness : +/- 0.001 Abs or better</p>
	<u>Accessories:</u>	
1	Sample holders	Sample holders for recording UV-Vis-NIR spectra of powder, film, solid and liquid samples.
2	Integrating sphere for diffuse reflectance measurements	Integrating sphere for diffuse reflectance measurements.
3	Specular reflectance accessory	Specular reflectance accessory for near normal incidence.

GENERAL INSTRUCTIONS

1. The Bidder should be a manufacturer or their dealer specifically authorised by the manufacturer to quote on their behalf for this tender as per Manufacturer Authorisation Form and Indian agents of foreign principals, if any, who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the “Technical Specification”. Such equipments must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least five year as on date of Bid Opening.
2. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
3. The price should be inclusive of all taxes, duties, transportation, installation etc. Nothing extra will be paid in addition to the quoted rate.
4. **Payment Terms:** 90% payment shall be made through irrevocable L/C on presentation of complete and clear shipping documents and balance 10% of the amount shall be released after the receipt, installation, commissioning and acceptance of the equipment.
5. **Validity of tender:** Tender submitted shall remain valid at least for 90 days from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
6. **Delivery and installation:** Proposed delivery schedule should be mentioned clearly. Delivery and installation should be made at the Department of Nanoscience and Nanotechnology, University of Kerala, Kariavattom campus, Trivandrum- 695581, without any extra cost.
7. **Service facility:** Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support.
8. **Warranty:** Warranty for a minimum of three years should be offered.
9. Charges for annual maintenance contract after expiry of warranty period to be quoted separately
10. The model number, make, and a printed literature of the product shall submit positively.
11. The vendor should provide a compliance certificate showing the items quoted with tender specifications.
12. Vendors should provide a list of institutes showing installations of such instruments in India with

contact numbers.

13. In case of any dispute, the decision of the University authority shall be final and binding on the bidders.
14. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.

**The Registrar,
University of Kerala,
Senate House campus, Palayam Trivandrum- 695 034, Kerala.**