



CENTRE FOR NANO AND SOFT MATTER SCIENCES

Prof. U.R. Rao Road, Jalahalli, BENGALURU 560 013.

Autonomous Institution under the Dept. of Science & Technology, Govt. of India

REQUEST FOR QUOTATION

PI3/000001/20-21

Date : 20.10.2020

The Centre invites Quotation for the following item.

SI No	Description of Item	Qty
01	UV-VIS Spectrometer with accessories as per Annexure	01 No.

NOTE:

- (a) The sealed quotation/bids should be submitted on or before **02 November 2020 by 05.00 PM** through Speed Post / Courier / Registered Post.
- (b) The quotation should be addressed to the **Administration and Finance Officer, Centre for Nano and Soft Matter Sciences**, PB No: 1329, Prof. U.R Rao Road, Jalahalli, Bangalore-560013.

The same should be accompanied with and Earnest Money Deposit of Rs.50,000/- through SBI Collect (link : onlinesbi.com/sbicollect). Procedure for paying through SBI Collect :- Please Select State : Karnataka/Type: Govt. Department/ Name: Centre for Nano and Soft Matter Sciences/Category : MISC Fee/ Purpose : Earnest Money Deposit. The EMD will be refunded to unsuccessful bidders without any interest thereon. A copy of the SBI Collect receipt should be attached with the quotation in proof of remittance of EMD. Overseas bidders may remit an equivalent EMD to the Centre's Bank A/C No.10838600274, Bank Name : State Bank of India, Jalahalli branch, IFSC Code : SBIN00963 SWIFT Code: SBININBB177.

EMD is exempted for MSME Registered vendors

- (c) The cost of Packing, Freight & Insurance (CIF Bangalore) and Ex-Works should be indicated separately. A brochure giving technical details of the product should be enclosed.
- (d) Discount if any should be clearly mentioned.
- (e) Delivery schedule, warranty details must be clearly indicated.
- (f) Taxes & duties should be separately shown.
- (g) The quoted price should be valid for a minimum period of **3 months** from the date of issue.
- (h) **Terms of payment:**
- i) **For Imported Equipment:**

a) 90% through Letter of Credit with usance period of 30 days on proof of dispatch of consignment. The balance 10% payment will be released after expiry of the applicable Warranty period or on submission of Performance Bank Guarantee for an equivalent amount (10% of the Invoice value), having validity up to three months from the date of expiry of the applicable Warranty period.

OR

b) 90% by wire transfer on proof of dispatch of consignment and balance 10% after delivery and installation of equipment. Performance Bank Guarantee valid for the period of warranty equal to 10% of invoice value to be submitted before release of the final 10% payment.

ii) For Indigenous Equipment: the payment in INR shall be made through NEFT/RTGS after successful installation and against submission of Performance Bank Guarantee equal to 10% value of the equipment, valid for the period of warranty. Complete details such as the bank account number/IFSC/SWIFT/Bank Address, etc. should be provided along with the price bid.

- (i) **Opening of bids:** The firm shall be at liberty to authorize a representative to be present at the opening of the quotation at the time and date which will be informed by E-mail. A proper letter of authority should be produced before the meeting.
- (j) Firms representing the Principal supplier should submit authorized dealership certificate from the Principal company along with the quotation. The dealership certificate should be valid for at least one year from the date of submission of quotation.
- (k) **Banking charges:** All banking charges applicable outside India will be on suppliers account.
- (l) **Guarantee and replacement:** The Supplier shall guarantee that the Items/Equipment supplied shall comply fully with the specifications laid down, for material workmanship and performance. The Guarantee period should be specifically mentioned.
- (m) The Centre reserves the right to accept or reject any quotation or part thereof without assigning any reasons.
- (n) Sealed envelopes containing the quotation should be superscripted with "Quotation for UV-VIS Spectrometer PI3/000001/20-21"
- (o) Quotation received after the due date shall not be considered.
- (p) The Centre is eligible for Concessional custom duty on purchase under the Government of India Notification No.11/280/1993-TU-V dated 29 April 2016. Necessary certificate will be issued.
- (q) **NOTE : Preference will be given to 'Class-I local supplier' as per the Government of India Notification No. P-45021/2/2017-PP (BE-II) dated. 04 June 2020. Accordingly relevant documents should be submitted.**

Yours sincerely

Sd/-

Administration and Finance Officer

Portable UV/ Visible/ NIR spectrophotometer

Technical Specifications

Spectrophotometer with in-built collection lens and user interchangeable slits

Spectral range: 250 nm – 1100 nm

Detector: CCD / CMOS array; at least 2048 pixels

Optical resolution: ~0.5 nm or better

Input: Fibre optic connector

Power supply: USB

Interface: USB

Integration time: ~ 1 ms to 60 s

Signal to noise ratio: 300:1 or better

Light source:

Deuterium and tungsten Halogen balanced source

Wavelength range: 250 nm to 2000 nm

Typical output power: Deuterium ~150 μ W; Halogen ~ 500 μ W

Output coupling: Fibre Optic cable

Shutter with manual open/close and TTL pulsed modes

Drift in lamp: <0.1% / hr

Operating input power requirement: 220-250V; 50Hz

Transmission light probe:

Solarization resistant fibre optic cable with SMA 905 connector

Core diameter: 600 μ m

Outer Jacket: silicone-coated steel monocoil or stainless-steel BX

Length: Minimum 1 metre

Operating wavelength range: 250-1100 nm

Reflection light probe:

Probe design: multiple- fibrebundled design; separate illumination and reflected light collection fibre legs.

Solarization resistant fibre optic cable with SMA 905 connector

Core diameter: 600 μ m

Outer Jacket: silicone-coated steel monocoil or stainless-steel BX

Length: Minimum 1 metre

Operating wavelength range: 250-1100 nm

Cuvette holder:

Precise positioning of 1 cm pathlength square cuvettes

Built-in collimating lens

Slot for placing filter

Coupling adaptors for fibre optic cable

Reflection probe holder:

Provision to fix sample and the fiber optic probe

Reflection standard:

For diffuse reflectance

Reflectance:> 95%

Software:

Compatible software for windows 10

Capability for data acquisition and analysis

Other requirements:

Technical compliance statement against all the specifications

3 years warranty