



Department of Chemistry ASSAM UNIVERSITY, SILCHAR

(A Central University constituted under the Act of Parliament of India in 1994)

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www.aus.ac.in

INVITATION FOR TENDER

No: AU/Chem/TSS-SERB-EEQ/2019/Equipment/01

Dated: 04/02/2021

Sealed quotations are invited from manufacturers/authorized dealers and suppliers for the supply of equipment “**UV-Visible Spectrophotometer**” to Department of Chemistry, Assam University, Silchar, for individual sponsored research project sanctioned to Dr. T. Sanjoy Singh (PI), Department of Chemistry, Assam University, Silchar by Science and Engineering Research Board (SERB), Government of India under SERB-EEQ Project. Detailed technical specifications such as make/model/accessories and price including taxes should be quoted against each item separately.

Equipment: UV-Visible Spectrophotometer

TECHNICAL SPECIFICATIONS

Microprocessor controlled UV-VIS spectrophotometer with the following facility:

Optical system	: Double beam
Monochromator	: Seya-Namioka Monochromatotr
Diffraction Grating	: Stigmatic Concave Diffraction Grating (600/mm)
Wavelength range	: 190 to 1100 nm
Spectral bandpass	: 1.5 nm
Stray light	: 0.05% or less
Wavelength accuracy	: ± 0.3 nm
Wavelength setting repeatability	: ± 0.1 nm
Photometric Mode	: Abs, Conc., %T
Photometric range	: -3 to 3 Abs, 0 to 300 %T
Photometric accuracy	: ± 0.002 Abs, ± 0.3 %T
Photometric repeatability	: ± 0.001 Abs, ± 0.1 %T
Wavelength scan speed	: 10, 100, 200, 400, 800, 1,200, 2,400, 3,600 nm/min
Response	: Fast, standard, slow
Baseline stability	: 0.0003 Abs/h
Noise level	: ± 0.00015 Abs
Baseline flatness	: ± 0.0006 Abs
Light source	: Tungsten Iodide (WI) and Deuterium (D ₂) lamps
Light source changeover	: Auto
Detector	: Silicon photodiode
Display	: Color LCD display with backlight
Sample Compartment	: Beam Spacing-100 nm
Printer Interface	: Centronics interface for external printer connectivity.
Serial Interface	: RS-232C interface (UV Solutions program)
Power Supply	: 220, 230 or 240V, 50/60 Hz

Power Consumption : 300VA

GLP/GMP Complied.

Standard Software Facility

:Windows 7/10 based UV Solution program for controlling the instrument and its accessories. Ratio (260/280), Working curve type linear quadratic, polygonal line, K factor input, Calculation of correlation coefficient, Concentration unit input, Kinetic assay, Spectrum and working curve printout, Spectrum display, Peak/Valley detection, Tracing, Scale expansion/contraction, Smoothing, Differentiation, Area calculation, Fundamental arithmetic calculations between spectra, Data saving, Validation function, Automatic wavelength calibration, Lamp ignition time.

Other Accessories to be quoted along with the system (one each):

- Quartz Cuvette (One Pair): Path Length 10 mm; Vol. 1/3.5 ml
- Suitable Branded Computer
- On-Line UPS (2/3.0 KVA)

Closing Date and Time for Submission of Tender: **26-02-2021 at 2.00 PM**

Opening Date of Sealed Bids: **26-02-2021 at 2.30 PM onwards**

Venue for Opening of Tender: **Department of Chemistry, Assam University, Silchar**

Terms and Conditions:

- i) The tender complete in all respects should be addressed to Dr. T. Sanjoy Singh, Department of Chemistry, Assam University, Silchar-788011, Assam, in a sealed envelope superscripted as **TENDER ITEM FOR AU/Chem/TSS-SERB-EEQ/2019/Equipment.**
- ii) The tenderer for equipments must submit the bid(s) in two-bid system (Technical and Financial).
- iii) Tenders by e-mail, Fax, Telex, Telegram **will not be accepted.** Tenders must be submitted in sealed envelope only clearly indicating – **TENDER ITEMS FOR AU/Chem/TSS-SERB-EEQ/2019/Equipment.**
- iv) In case of any modification in specifications / terms and conditions /any clarification to the bid document, it will be hosted in the university website only and the bidders are requested to log on to our website from time to time and no separate corrigendum will be issued in this regard.
- v) The rate should be exclusive of taxes and applicable tax should be clearly indicated.
- vi) The rates should be quoted along with supporting documents of specifications, technical features, list of users and authorized dealership documents (if applicable).
- vii) Details of availability of after sales support will have to be furnished.
- viii) The University is exempted from paying Customs and Excise duty.**
- ix) Proprietary items should be quoted with sole Manufacturer / Dealership certificate. Without dealership or manufacturer's certificate no bids will be accepted.
- x) Final offer price should be up to destination at the Department of Chemistry, Assam University, Silchar (including both delivery and installation).**
- xi) If any item is delivered in damaged condition, the material should be replaced with new ones immediately.
- xii) The items must be supplied within 5-6 weeks of placing orders.
- xiii) No advance payment will be made.
- xiv) The University reserves the right to accept or reject any or all the bids without assigning any reason whatsoever.
- xv) GST registration certificate and PAN to be enclosed by the bidders.
- xvi) EMD amounting **Rs. 15,000/-** in the form of call deposit/DD in favour of the Assam University, Silchar to be enclosed with the technical bid.
- xvii) The tenders complete in all respects should be addressed to undersigned.

Sd/-

Dr. T. Sanjoy Singh
Assistant Professor
Department of Chemistry
Assam University, Silchar
Assam -788011, India

Copy to:

1. Copy to Secretary to VC, AUS for VC's kind information.
2. The Registrar, AUS.
3. The Finance Officer, AUS.
4. File for record.

PROFORMA FOR SUBMISSION OF TECHNICAL BID (TB)

From:

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To

Dr. T. Sanjoy Singh
Department of Chemistry
Assam University, Silchar-788011, ASSAM

With reference to your advertisement dated published in the Newspapers and posted at Assam University Website, I / We hereby submit the Technical bid for the.....required by you. I / We confirm that I / We are the owners / authorized person to offer you the item as per the desired specifications.

Serial No.	Name of the Equipment	Technical Specification	Details to be filled by Offerer
1	UV-Vis Spectrophotometer		

Date:

(Signature of the Offerer)

OFFICE SEAL

(This format shall be sent in a separate sealed cover super scribing - "TECHNICAL BID FOR EQUIPMENT FOR SERB-EEQ PROJECT/CHEMISTRY").

PROFORMA FOR SUBMISSION OF FINANCIAL BID (FB)

From:

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To

Dr. T. Sanjoy Singh
Department of Chemistry
Assam University, Silchar-788011, ASSAM

Having read and understood the Technical bid, I am / We are furnishing the desired information and submitting our Technical Bid duly signed by our Authorized person. Now we hereby submit (in separate sealed cover) our Financial Bid for the purchase of Equipment.

Serial No.	Specification of Items	Details to be filled by Offerer
1		Price in INR /\$/Other currency whichever is applicable (Please mention separately the price of the items, accessories, insurance, etc. under separate heads)
2		
3		
4		

Date:

(Signature of the Offerer)

OFFICE SEAL

(This format shall be sent in a separate sealed cover super scribing - "FINANCIAL BID FOR EQUIPMENT FOR SERB-EEQ PROJECT/CHEMISTRY").