



MAHATMA GANDHI UNIVERSITY

Priyadarshini Hills, Kottayam-686560

Tender No: SES/MGU/RUSA/ SES-SVP/Tender/2023-24/4-4

Dated: 08/09/2023

NOTICE INVITING TENDER (Short Tender)

Dr.Sylas V P, The Principal Investigator, RUSA II Project, School of Environmental Sciences, Mahatma Gandhi University, PD Hills, Kottayam, Kerala, invites sealed tenders in original including all taxes for the supply and installation of scientific equipment “UV-Vis Spectrophotometer” from reputed dealers/firms under the RUSA Fund for the year 2023-2024.

1	Name of the Scientific Equipment	UV - VIS SPECTROPHOTOMETER (Detailed specifications given in Annexure-1)
2	Earnest money deposit (EMD)	1% of the estimated value.
3	Tender submission fee	0.2% of the cost of the equipment rounded to the nearest multiple of 100, subject to a maximum of 25,000/- + GST as applicable.
4	Period of supply and Installation	Within 90 days from L/C opening date
5	Address	Dr.Sylas V P, Principal Investigator, RUSA II Project School of Environmental Sciences, Mahatma Gandhi University, Kottayam, PD Hills, Kottayam
6	Date and time of bid opening	18/09/2023, 02.30 pm
7	Last date and Time of submission of tender with relevant documents.	10 days, 18/09/2023, 1.00 pm

Duly filled up and signed tender schedule along with relevant documents should be sent to **Dr.Sylas V P, Principal Investigator, RUSA II Project, School of Environmental Sciences, Mahatma Gandhi University, PD Hills, Kottayam, Kerala, India**, by speed post so as to reach before the date and time specified. The cover containing the document should be super scribed the **name of the scientific equipment, tender number and last date of submission** of the tender.

Relevant documents may also be sent to [Email : sylas@mgu.ac.in](mailto:sylas@mgu.ac.in)

ELIGIBILITY CRITERIA

1	Bidder should be a company registered in India or Registered Partnership /proprietary firms	Copy of valid registration certificate/Copy of Certificates of incorporation
2	Should not have been blacklisted by any of the Government entities under state/central government.	Self-Certificate
3	The bidder should have a registered number of (i) GST where his business is located ii) Income Tax / PAN number.	Copies of relevant certificates of registration

Further details can be had from the office of **School of Environmental Sciences, Mahatma Gandhi University, Kottayam**

Email: : sylas@mgu.ac.in on all working days during working hours.

If relevant documents through speed post are not submitted with in time, the tenders will not be considered. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.

Dr.SYLAS V P
Principal Investigator RUSA II Project
Assistant Professor,
School of Environmental Sciences,
Mahatma Gandhi University, Kottayam
PD Hills Kottayam

Please see the Annexures

ANNEXURE-1

Technical Specification of the Instrument

FEATURES & FUNCTIONS

- High performance variable (0.5, 1, 2,5nm) spectral bandwidth.
- Wavelength accuracy +/- 0.3nm.
- Supplied with a motorised 8 cell changer and pre-aligned Tungsten and Deuterium lamps.
- Holographic blazed grating 1200 lines /mm.
- High degree of automation requiring minimal key depressions to start analysis.
- A number of optional accessories available which increase the flexibility of the instrument.
- Analysis for photometric measurement, spectrum scans, quantitative determination and DNA/Protein analysis.
- UV-Win software gives additional functionality including 3D spectrum analysis and compliance with GLP protocol.
- Simple mechanical structure and modular electronics make routine maintenance very easy
- Instrument Type T80+
- Optical System Double beam Double beam
- Scan Speed Selectable
- Wavelength Range 190 -1100nm, Wavelength Accuracy $\pm 0.3\text{nm}$
- Wavelength Reproducibility $\leq 0.2\text{nm}$
- Spectral Bandwidth - 0.5, 1.0, 2.0, 5.0nm
- Photometric Mode Transmittance, Absorbance, Energy Concentration
- Photometric Range -0.3 - 3.0Abs
- Photometric Accuracy 0.002A (0 - 0.5A), 0.004A (0.5 -1.0A) 0.3%T (0 -100%T)
- Photometric Reproducibility 0.001A (0 - 0.5A), 0.002A (0.5 - 1.0A) 0.15%T (0 -100%T)
- Photometric Noise 0.001A (500nm) 30min warm-up
- Baseline Flatness 0.0015A (200 -1000nm)
- Baseline Stability 0.0008A/h (500nm, 0Abs) warm-up 2hr
- Stray light $\leq 0.12\%T$ (220nm NaI, 340nm NaNO₂)
- Standard Functionality Photometric, Quantitative, Spectrum and DNA measurements.
- Cell Holder Automatic 8 Cell changer
- Detector Silicon photo diode
- Light Source Tungsten Halogen and Deuterium arc lamps
- Display Digital LCD display
- Printer Not available
- PC Interface RS232/USB
- Software Support Local and UV Win Local and UV Win
- Power Supply Switchable 120 - 230VAC 50 - 60Hz
- Weight 25Kg, Dimensions 520mm, 420mm, 230mm

ANNEXURE-2

Terms and Conditions

1. Last date of submission of tender along with requisite fee, EMD and all documents is **18/09/2023, 1.00 pm**
2. The technical bid will be opened on **18/09/2023, 2.30 pm.**
3. Tenders must accompany a copy of the “Annexure II and Annexure III” section of this document, signed and stamped on each page indicating that they agree to these.
4. The non-refundable application fee of 0.2% of cost with the chalan of 5% of it as GST must be accompanied with tender for each instrument. The application fee must be as D.D. drawn in favour of **The Principal Investigator, RUSA II Project, Assistant Professor, School of Environmental Sciences, Mahatma Gandhi University, PD Hills, Kottayam, Kerala, India.**
5. The DD/Cheque for EMD or any other must be drawn in of favour of **The Principal Investigator, RUSA II Project, Assistant Professor, School of Environmental Sciences, Mahatma Gandhi University, PD Hills, Kottayam, Kerala, India payable at SBI, Mahatma Gandhi University Campus Branch.**
6. Instrument should have a warrantee of at least three year and should have at least one Service engineer and one application scientist based in India with onsite training facility on the same quoted equipment. Training should include operation, handling and maintenance of system.
7. A good record in supply and service to other research institutes will be considered as a positive point for a particular company. User list of similar equipment supplied recently in India should be provided.
8. Laboratory floor space, electrical power requirements, earthing, room temperature/ humidity requirements etc. should be mentioned appropriately.
9. All necessary accessories should be supplied with the instrument, as per standard package offered, including complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (hard and soft copies).
10. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of offered warranty period should also be specified in the financial bid.
11. The price of the equipment should be quoted in Indian rupee. The total price of the equipment quoted should be inclusive of GST & other taxes if any; material cost; transportation cost; loading and unloading cost; installation cost; labour charges and all other expenses in whatsoever means.
12. Payment process will be initiated only after supply of items as per tender specifications and satisfactory installation of the items.

It will be the responsibility of the supplier to deliver the ordered materials at School of Environmental Sciences, Mahatma Gandhi University, PD Hills Kottayam, Kerala, India. All required materials for satisfactory installation are to be provided by the supplier at their own cost.

ANNEXURE 3:

TENDER FORM PART-I (TECHNICAL BID)

Date:

From,

M/s.

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To,

Dr. SYLAS V. P
Principal Investigator RUSA II Project
School of Environmental Sciences, Mahatma Gandhi University
PD Hills, Kottayam Pin-686560
Kerala, India

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Terms and Conditions of Contract and other requirement for delivery and complete Installation and Special Conditions of Contract contained herein with this tender document. I/we hereby agree to supply the stores conforming to the tender specifications incorporated in ANNEXURE 1 of the tender document and also agree to abide by your General Conditions of all Contra acts and Special Conditions of Contract contained in the ANNEXURE 2 of the Tender document.

You will be at liberty to accept any or more of the items of stores offered by us and I/we shall be bound to supply you the stores as may be specified in the Purchase Order/Contract.

I/We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of opening of Part-II (Financial bid) of the tender. Deviations to Technical specifications contained in ANNEXURE 1 of the tender documents are detailed in ANNEXURE-A to the tender form while deviations proposed to the General Special Conditions of Contract contained in ANNEXURE 2 are detailed in Annexure-B to this tender. Price applicable for the stores are indicated separately in a sealed envelope marked as financial bid of the tender.

I/We are also enclosing herewith all the leaflets catalogue etc. pertaining to the stores offered.

Yours faithfully

Stamp and Signature of the Tenderer

ANNEXURE 4:

TENDER FORM PART-II (FINANCIAL BID)

Date:

From,

M/s.

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To,

Dr. SYLAS V. P
Principal Investigator RUSA II Project
School of Environmental Sciences, Mahatma Gandhi University
PD Hills, Kottayam Pin-686560
Kerala, India

Dear Sir,

In response to your invitation and as per your tendering and contracting conditions, the prices applicable for the scope of supply contained in ANNEXURE-3 (TECHNICAL BID) of our tender are indicated in the format at annexure “A” to this tender.

We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of actual opening of Part-II (FINANCIAL BID) of the tender.

Yours faithfully,

Stamp and Signature of the Tenderer