



பெரியார் பல்கலைக்கழகம்

PERIYAR UNIVERSITY

SALEM- 636011, TAMIL NADU

NAAC A++ Grade - State University - NIRF Rank 63 ARIIA Rank-10

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No. PU/R/R13-2/Chemistry/Spectrophotometer/22F61336/020265/2022 Date. 25-11-2022

Tender Notification

Sealed Tenders are invited by the Registrar, Periyar University, Salem -11 for "**Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)**" to the **Department of Chemistry, Periyar University** from reputed firms.

Detailed tender documents with specifications, terms, and conditions, etc. can be downloaded from the University website www.periyaruniversity.ac.in. **The last date for receipt of the tender by this office is 15-12-2022 at 2.00 pm.**

TENDER SUMMARY

Tender Ref. Number	No.PU/R/R13-2/Chemistry/Spectrophotometer/22F61336/020265/2022 Date: 25/11-2022
Name of Material / Work	"Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)"
Tender Document Cost (₹.) (Separate DD for each Tender document)	₹.4,720/- (₹.4,000 + 18% GST) (Rupees Four thousand Seven hundred and twenty only) (Demand Draft shall be taken from any nationalized bank in favour of " The Registrar, Periyar University ", payable at " Salem ".
Amount of EMD (₹.) (Separate DD for each Tender document)	₹.10,000/- (Rupees Ten thousand only) (Demand Draft shall be taken from any nationalized bank in favour of " The Registrar, Periyar University ," payable at " Salem ".
Last date for Tender cover submission	15-12-2022 upto 2.00 pm
Technical Specifications	Enclosed as on Annexure-1

Registrar (FAC)

Tender Schedule

Ref.No. PU/R/R13-2/Chemistry/Spectrophotometer/22F61336/020265/2022 Dt. 25-12-2022	
Name of the Material / Work	"Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)"
Department / Section	Department of Chemistry

Details of the Tenderer:

Sl. No.	Particulars	Details
1.	Name and address of the Tenderer	
2.	Contact Phone / Mobile No.	
3.	Email id:	
4.	GST No.	
5.	PAN / TAN No.	
6.	<u>Bank A/c. Details</u> (Bank Name and Address, Account Number, IFSC & MICR Code, etc.).	
7.	Tender fees payment	DD. No. _____ / Dt. _____ Bank _____ Rs. _____/-
8.	Earnest Money Deposit	DD. No. _____ / Dt. _____ Bank _____ Rs. _____/-

9. Detailed Technical Specifications of the Material to be supplied / Work to be done (necessary brochures to be attached by the Tenderer for Technical Verification).
10. Compliance Statements for each of the technical specifications must be given by the tenderer.

Terms and Conditions

1. Sealed tenders will be received by the Registrar upto 2.00 pm on 15-12-2022 for "**Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)**" to the "**Department of Chemistry**" as per the technical specifications given in the tender schedules.
2. The tender shall be submitted in a sealed cover superscribed as "**Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)**" to the **Department of Chemistry** for use of Periyar University due on 15-12-2022 at 2.00 pm.
3. If the last day fixed for the receipt of tender happens to be a holiday tenders will be received on the next working day upto 2.00 pm.
4. Each tender shall accompany a **Tender Document Cost of ₹.4,720/-** The Tender Document Cost in the form of the Demand Draft shall be drawn in any nationalized bank in favour of "**The Registrar, Periyar University, payable at Salem**". (Separate DD for each Tender). Wherever exemptions are applicable necessary support documents shall be attached.
5. Each tender shall accompany an **EMD amount ₹.10,000/-**. The EMD in the form of the Demand Draft shall be drawn in any nationalized bank in favour of **The Registrar, Periyar University, payable at Salem**. Tenders without Earnest Money Deposit (EMD) will be summarily rejected. EMD will not carry any interest. Wherever exemptions are applicable necessary support documents shall be attached.
6. **Tenders received late will be returned to the tenderer unopened.**
7. The entries in the tender schedules shall be as much as possible without scoring, corrections, and overwriting and shall be legible. The unavoidable correction or scoring shall be attested by the full signature of the tenderer.
8. The tenderer should sign, and affix the seal, and number on all pages of tender documents.
9. **The tenderer should quote his/her rate and tax for each item separately in figures and words in the corresponding column in the Price schedule and this has to be kept in a separate sealed cover.**
10. If the rates quoted in the schedule differ in words and figures, only the lowest quoted rate will be considered.
11. No revision of rates will be permitted after the submission of the Tender document. Rates quoted shall be final.
12. The quoted rates shall be for delivery at the University Campus, including charges such as packing and forwarding. The tenderer is solely responsible for the delivery of materials in good condition.
13. **The tenderer should produce the materials as per the specifications given in the tender schedule.**
14. Tender shall be submitted only in this official form and the tenderer should sign on each page of the tender and all relevant enclosures without any omission.

15. The tender shall be valid for one year from the date of opening. The tenderer should not withdraw his tender after the tenders are opened. In case the tender is withdrawn after opening, the EMD will be forfeited.
16. The EMD of the unsuccessful tenderers will be refunded immediately.
17. **The successful tenderer shall also furnish a security deposit of 2% of the value of the order. The Security Deposit will be refunded after the warranty period.**
18. In case of failure by the tenderer to supply items demanded within the period prescribed, the Registrar shall have the power to purchase from others instead of rejecting or not delivering goods, the excess cost and expenses will be worked out and recovered from the tenderer.
19. Successful tenderer should execute an agreement on stamp paper to the value of ₹.100/- within seven days from the date of receipt of intimation about acceptance of the tender. Failure to execute the agreement in the stipulated time will entail forfeiture of the EMD.
20. Any dispute arising out of this contract shall be settled only on the court having jurisdiction of Salem.
21. The authority competent to accept the tender reserves the right to reject the tender without assigning reasons thereof.
22. Regarding the acceptance of supply concerning the specifications and quality of materials supplied, the decision of the Registrar shall be final. The rejected materials should be removed within 15 days at Tenderer's cost.
23. This University's General rules for the supply of the materials and works will apply to this purchase also.
24. The goods should be supplied and works to be done within the time prescribed by the University, after receipt of the Purchase / Work order.
25. If the tenderer fails in the due performance of his supply within the time fixed, the tenderer is liable to pay us liquidated damages up to 2% per month for the supply value of the such portion of the materials as have not been delivered.
26. Percentage of payment to be withheld for the effective performance of the contract, provided that the withheld amount does not exceed ten percent of the contract's total value.
27. The cost must include the warranty and maintenance as specified under the technical specification of the tender document.
28. The Tenderer's complete address, including the year of Establishment, Phone No., Fax No., E-mail address, etc., must be furnished.
29. The tenderer should be responsible for the erection & installation of the equipment at the destination site and for making it fully operational. Payment and terms and conditions would be specified by the tenderer separately; if any.
30. Canvassing in any form in connection with tender/quotation will be liable for rejection of the Tender.
31. The photocopies of the TIN/GST/PAN/TAN/Company Registration Certificate must be enclosed.

32. List of details of works executed and a list of customers shall be attached.
33. Provide your Bank details (Bank Name, Address, Account Number, IFSC & MICR Number for EMD & Security Deposit Return and Payment Purposes).
34. All Electrical work should be **Inspected and Certified by a "C" License holder of the Periyar University**, Salem, and the **consultancy fee** for Inspection and Certification has to be **paid by the Successful tenderer**.

This tender is submitted subject to agreeing to the above conditions.

**Signature of the Tenderer
(with Seal)**

PRICE SCHEDULE

(This price schedule shall be filled and kept in a separate sealed cover along with Tender Document)

Ref.No. PU/R/R13-2/Chemistry/Spectrophotometer/22F61336/020265/2022 Dt. 25-12-2022	
Name of the Material / Work	"Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)"
Department / Section	Department of Chemistry, Periyar University, Salem.

The quantities below are approximate and likely to be increased/reduced.

The rates should be quoted for the mentioned brand or its equivalent only.

The rates should be inclusive of all taxes. Taxes must be exhibited separately in the bill. If not, a deduction of tax (GST) will be made at the final payment.

The Unit rates noted below is those governing payments.

The rates quoted are for delivery at the University Campus.

Sl. No.	Particulars	Qty in Nos.	Rate Per Unit	Net Amount (A)	GST %	GST Amount (B)	Gross Amount (with GST) (A + B)
1.	"Supply and Installation of Imported Double Beam UV Visible Spectrophotometer (PC Based)" (Detailed specification in Annexure-1)	1					
Total					-		

The Gross amount of the tender is Rupees (in words) _____
_____.

**Signature of Tenderer
(with Seal)**

Periyar University – Department of Chemistry

Name of the Equipment	Specification	Qty in Nos.	Amount in Rs.
Imported Double Beam UV Visible Spectrophotometer (PC Based)	Optical System: High-performance grating, True double beam, Single monochromator, or better.	1	
	Light Source: Deuterium lamp & Tungsten Halogen lamp with automatic position adjustment built-in.		
	Detector: Photomultiplier tube (PMT), Peltier cooled PbS detector. The detector should be capable of measuring the signals in the entire spectral range without any break.		
	Wavelength Range: Should cover the range from 190 to 1100 nm or better.		
	W.L. Accuracy: UV/Vis: ± 0.3 nm or better. NIR: ± 1.5 nm or better.		
	W.L. Repeatability: ± 0.05 nm (UV-Vis), ± 0.2 nm (NIR) or better.		
	Scanning Speed: 10 to 4000nm/min or better.		
	Spectral Bandwidth: UV-Vis: 0.1 -10 nm or better range.		
	Photometric Range: UV-Vis: -4 to 4 Abs or more, NIR: -3 to 3 Abs or more.		
	Photometric Accuracy: ± 0.0015 Abs (0 to 0.5 Abs) or better, ± 0.0025 Abs (0.5 to 1 Abs) or better, ± 0.3 %T or.		
	Stray Light: 1 % or less (198 nm KCL 12 g/L aqueous solution) 0.005 % or less (220 nm NaI 10 g/L aqueous solution) 0.005 % or less (340 nm NaNO ₂ 50 g/L aqueous solution) 0.005 % or less (370 nm NaNO ₂ 50 g/L aqueous solution) 0.04% or less (1690 nm H ₂ O, 10 mm cell) 0.1% or less (1690 nm CH ₂ Br ₂ , 50 mm cell).		
	Baseline Stability: 0.0003 Abs/hour or better.		
	Baseline Flatness: ± 0.0002 Abs (200 - 2500 nm) or better.		
RMS Noise: 0.00003 Abs (500 nm) or better.			
Warranty: The instrument must have a warranty of 24 months or more from the date of installation. The manufacturer must guarantee the UV-vis system will be supported with spares for at least 7 years from the date of purchase.			

The software should include the following functionalities:

Software	Should be compatible with operating Systems of windows 10 pro or higher version
Measurement modes, Quantitative Analysis	Wavelength scan (Abs, %T, %R, Sample, Reference), Time scan (Abs, % T, % R, Sample, Reference), Fixed wavelength (Up to 8 or more wavelengths), Abs/%T monitor
Data processing	Peak picking, Peak height, Peak area, Peak width, Derivatives, Smoothing, Data truncation, Arithmetic, Baseline correction, Subtraction, Deconvolution, Vertical axis conversion, Horizontal axis conversion, etc. Software should have the option to export the data in .txt/.asc format
Other standard functions	Validation Software, Enzyme activity calculation Report Style, Film thickness measurement, Color analysis, Daily maintenance, Macro command, Two wavelengths time course measurement, etc.
Reference Sample	Required reference samples (if any) for the calibration should be provided

Should supply the following items along with the instrument:

- Quartz Cuvettes, 10mm - 2 Pairs
- Branded PC (i7, 8GB RAM, 1TB HDD & Win 10 pro) and back & Laser Jet Printer (quote separately in Indian rupees).
- 2 KVA UPS (quote separately in Indian rupees)

The checklist for Tender documents is attached:

Sl. No.	Particulars	Page No.	✓
1.	Tender Document Cost (DD Enclosed)		
2.	Earnest Money Deposit (EMD) (DD Enclosed)		
3.	GST / Company Registration Certificate		
4.	PAN / TAN Certificate		
5.	Customer List (Name and addresses of your valid customers)		
6.	The tender schedule is properly filled and signed (with seal) on all pages and each page was numbered		
7.	Your offer Letter, Tender Schedule		
8.	The Price Schedule is attached in a separate sealed cover		
9.	Income Tax returns for the last three years		