

# UNIVERSITY OF KERALA

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala Legislative Assembly.

Accredited by NAAC with A grade)

## DEPARTMENT OF BOTANY



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22/Bot/Trans Pjt/ 938/18

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### QUOTATION NOTICE

Quotations are inviting for the following item in the project on 'Establishment of Translational Research Facility in Plant Cell Culture Technology', Phase III in the Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram.

#### Specification for UV-Vis Spectrophotometer


Optical device	Double beam, monochromator -Grating 1200 lines/mm or above
Light Source	Xenon flash lamp (80 Hz) with typical lifetime of 7-10 years
Detector device	2 silicon diode detectors for simultaneous sample beam and reference beam measurements
Measurable range	190-1100 nm
Spectral bandwidth	Up to 2 nm
Stray Light	<0.5 % (198 nm, KCl), <0.02 % (220 nm, NaI), < 0.02 % (340 nm, NaNO <sub>2</sub> )
Photometric Linear Range	4 Abs or better
Wavelength Accuracy	± 0.5 nm or better
Wavelength reproducibility:	± 0.1nm or better
Photometric Accuracy	0.002 Abs or better (0.5 Abs), 0.004 Abs or better (1 Abs), 0.006 Abs or better (2 Abs)
Baseline Flatness	±0.001 Abs or better throughout UV-Vis range
Photometric Stability	<0.0004 Abs or better
Photometric noise	≤ 0.0001 Abs or better
Local accessories	Branded laptop core I3 or above processor with 14" LED HD display, printer and 4 sets of quartz cuvette to be offered

## Terms and Conditions

- The price quoted should be that applicable for the educational institutions.
- The items should have an onsite warranty for at least 2 years.
- The firm should be capable to extend immediate service, which in no way should not exceed 24 hours.
- Prices are to be quoted FOR DESTINATION (Department of Botany, University of Kerala, Kariavattom. The prices quoted should clearly indicate the 4 following charges: Price of the equipment; Price of optional accessories if any; Customs duty (after submission of custom and excise exemption certificate); Customs Clearance Charges, transportation charges and installation charges. If these details are not provided it will be considered that the price quoted is inclusive of all charges.
- For those bidders submitting tenders for more than one instrument, separate applications for each instrument (Technical Bid and Financial Bid) must be placed in individual sealed envelopes and these envelopes must be placed inside a bigger envelope.
- Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in a single tender it will be summarily rejected.
- Performance Certificate of the specified model should be attached along with the quotations.

The bid technical and financial separately complete in all respects may be submitted to Associate Professor & Head, Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram 695 581, E mail ID: [unikerbot@rediffmail.com](mailto:unikerbot@rediffmail.com) within 15 days from the date of publication of the tender in the University website.



  
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