

UNIVERSITY OF JAMMU
SCHOOL OF BIOTECHNOLOGY, UNIVERSITY OF JAMMU-180006

School of Biotechnology, University of Jammu, Jammu & Kashmir is interested in the purchase of **DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER** as per specifications given in the Annexure 1. The Department invites sealed bids / tenders bids from reputed Manufacturers or their Authorized Distributors / Dealers for Supply, Installation and Training of **DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER**. Interested parties may submit their sealed bids online as per Technical Specifications given at Annexure 1 and General Terms & Conditions given at Annexure II. The tender be published online on <https://jktenders.gov.in>. The TECHNICAL BID and PRICE BID has to be submitted online before the due date i.e. 17th December 2019 Whereas hard copy of the TECHNICAL BID along with EMD has to reach to the office of the Director, School of Biotechnology, University of Jammu, Jammu 180006 before the due date in a sealed envelope (duly superscripted with Tender No. and date).

For any query pertaining to this tender contact Professor Jyoti Vakhlu, School of Biotechnology University of Jammu, Jammu 180006.

The technical bid will be evaluated first and price bid will be opened only in respect of those Vendors, who are found technically qualified after evaluation of Technical Bid. The Technical bid will be opened on 18th December 2019 in the School of Biotechnology, University of Jammu, Jammu - 180006

Director
School of Biotechnology,
University of Jammu, Jammu - 180006

Ref. No. JU/SBT/2019/1395
Dated: 21-11-2019

Annexure-I

Item No	Equipment	Quantity	Technical Specification
1	<u>Double Beam UV-Visible Spectrophotometer</u>	2	<ol style="list-style-type: none"> 1. It should have a photometric System with double beam optics. The Photometric range should have absorbance between -4 to +4.0 Abs and transmittance between 0.0 to 400%. 2. The photometric accuracy of the UV-Vis spectrophotometer should be +/- 0.0025 Abs. at 1.0 Abs & +/- 0.002 Abs. at 0.5 Abs. 3. The spectrophotometer should have a wave length range from 190 to 1100 nm or better with wavelength display and setting of 0.1nm increment and wavelength accuracy of +/- 0.05 nm or better. The wavelength Repeatability should be +/- 0.1nm or better. 4. The photometric repeatability of the spectrophotometer should be +/- 0.0001 Abs or better. 5. The spectrophotometer should have a scanning speed of upto 25,000 nm/min or better and spectral bandwidth of 1nm or better. 6. The stray light in spectrophotometer should be less than 0.01% at 340 nm or better. 7. The baseline stability in spectrophotometer should be less than 0.0003 Abs/H and baseline flatness should be less than 0.0006 Abs/H. 8. The noise level should be Less than 0.00003 Abs. 9. The monochromator of the spectrophotometer should be Czerny Turner blazed holographic grating. 10. The detector should be silicone photodiode. 11. The spectrophotometer should have a 2-3 USB ports for data Transfer, PC, Printer connectivity.\ 12. Tungsten and Deuterium lamps should be the light source in the spectrophotometer. 13. Quartz cuvette of 3.5 ml & 1 ml capacity with pathlength of 10mm (1 Pair), 200ul (1 Pair) ,400ul (1 Pair) & 3 ul should be provided along with the spectrophotometer. 14. Spectrophotometer should have built in hardware validation for Wavelength accuracy, wavelength repeatability, resolution, stray light, photometric accuracy, photometric repeatability, baseline

			<p>flatness, baseline stability, noise level and validation software alongwith optical filter for wavelength calibration.</p> <p>15.Windows based Operating software should have built in features like real time concentration display, Photometric mode Single / multi-wavelength, Enzyme Kinetics calculation, event recording such as Addition of reagents during measurement, DNA/protein quantification etc.</p> <p>Branded PC, Laserjet Printer & UPS 1 KVA to be quoted for operation of UV Spectrophotometer.</p> <p>Warranty: Five Year</p>
--	--	--	---

Annexure-II

General terms and conditions

1. Rates should be F.O.R. Jammu University Campus.
2. In case of foreign manufacturer kindly quote F.O.R Jammu University Campus in foreign currency. Also quote tentative charges for custom Duty, Clearance charges and Transportation and Insurance up to Jammu separately.
3. Goods must conform to our indicated specifications. Detailed technical and other specifications / literature must be enclosed.
4. Indicate concessional rates of tax for educational institutions. The GST rates must be clearly mentioned separately.
5. The submission of the tenders will be online. The Technical Bid and Price bid has to be submitted online on www.jktenders.gov.in. Whereas the hard copy along with EMD has to be submitted offline on or before due date in a sealed envelope.
6. Earnest Money Deposit (EMD) 2% of estimated price to be submitted along with commercial bid. Bids without EMD will be rejected.
7. The warranty of the product should be at least five Year.
8. The rates should be valid for 120 days. Both technical bid and the commercial bid addressed to undersigned and duly sealed /signed and tapped with official stamp should reach this office latest by 17th December 2019.
9. Bidder should submit Purchase orders and / user List as a proof of the dealing with other Government organizations / Institutions. The date of the supply order should be within last Three years from the date of publishing the BID.
10. Bidder should submit Valid Authorization Certificate from OEM for each against this NIT.
11. The firm/bidders should provide non blacklisting certificate mentioning it should not have criminal records/cases/activities.
12. Reports on Financial standing of the bidder such as profit and loss statement, balance sheet and auditor reports for the past three years, banker's certificate etc. should be provided by the bidders.
13. The bidder's firm should be established since last 5 years Documentary Evidence to be submitted along technical BID.
14. The bidder should have enough strength of people for the after sales support with their branch offices near to Jammu/Chandigarh. The details of Service Centre and Office addresses along with Service personnel need to be shared for the verifications.
15. Self-attested copies of GST and PAN card and Firm registration certificates to be submitted.
16. The bidder should have ISO or equivalent quality Certification.
17. The delivery, installation and operational training of the instruments/equipment should be completed within 45 days from placing of the order failing which the bank guaranty shall be retained by the Department.
18. The successful Bidder must provide Bank Guarantee equivalent to 10% of the cost of equipment to the Value of Order from Nationalized or Scheduled bank.
19. All Documents submitted in technical BID should be self-Attested (Signed and Stamped).