

THE UNIVERSITY OF BURDWAN

Prof. T. Hossain
Registrar (Officiating)



Contact details (office):
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Notice Inviting e-Tender

Ref. No.: ZOO/KG/DBT/19-20/01

18-09-2019

E-tenders are hereby invited for the item as per detailed specifications from the Original Equipment Manufacturer (OEM) or their authorized representatives in India for supply and installation of “**A UV-VIS Spectrophotometer with Temperature Controlled Cuvette Holder**” at Department of Zoology, The University of Burdwan, Golapbag, Burswan 713104, West Bengal, India under the Department of Biotechnology, Ministry of Science & Technology, Government of India sponsored Research Project (BT/PR28574/AAQ/3/920/2018).

The tender must be submitted through **on line only and must be addressed to:**

Dr. Koushik Ghosh
Principal Investigator
DBT Project No. BT/PR28574/AAQ/3/920/2018
Department of Zoology
The University of Burdwan, Golapbag, Burdwan 713104, INDIA

1. For e-filing, intending bidder may download the e-tender documents from the website **<https://wbtenders.gov.in>** directly with the help of Digital Signature Certificate.
2. Bid shall remain valid for a period not less than 60 (*sixty*) days from the last date of submission of Financial Bid.
3. All the prices must be quoted in Foreign Currency (for imported items) and INR for local items.
4. Both **Technical Bid** and **Financial Bid** are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in> within the closing date of online submission.
5. The **FINANCIAL OFFER** of the prospective bidder will be considered only if the specification of the bidder is found qualified by the Purchase Committee. The decision of the Purchase Committee of the project will be final and absolute in this respect.

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- a) Terms & Conditions like, Insurance, Mode of payment, Validity period, Warranty and Delivery period must be mentioned and to be submitted on firm's letter head mentioning the following :
 - i) Name and address of the Company including Telephone no., FAX no.
 - ii) Contact person: Name, mobile number, email address
 - iii) Banker's name and address in details
 - b) Detailed Technical specifications
 - c) Full Specifications, Make, Model, Original Brochure / Leaflets / Technical Information of the item should be given while quoting the rates in the bid.
 - d) In case of authorized dealers, OEM authorization mentioning the NIT number to be submitted by the dealer.
 - e) The accessories quoted by bidder should be OEM make and not locally sourced. If it is locally sourced, should be mentioned clearly with justification.
 - f) Experience and credential documents including copies of Orders towards supply of the equipment in Government / Government undertaking organizations / agencies are to be submitted along with the technical bid.
 - g) Any other relevant document
6. The **Financial proposal** should contain the Bill of quantities (BOQ) in one folder. The bidder has to download the BOQ and quote the rate online in the space marked for quoting rate in the BOQ and upload the document virus scanned and Digitally Signed by the bidder.
 7. The Purchase Committee reserves the right to accept or reject any bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Purchase Committee's action.
 8. The Bidder whose bid would be accepted will be notified.
 9. The final price of the instrument / equipment must include the other charges like packaging, forwarding, freight, transportation charges etc (whenever the prices are quoted on Ex-Work / FOB / FCA basis). No extra cost will be paid for delivery, clearance and installation.

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10. Name and address of the Foreign Principal (OEM) and their E-mail and Fax No. must be clearly mentioned in the offer.
 11. The material should be dispatched duly insured against theft, loss or breakage during transit and the rates chargeable for insurance may invariably be quoted separately. The insurance shall be for an amount equal to 110% of the CIF value or CIP value of the contract from within “warehouse to warehouse (final destination)” on all risk basis including strikes, riots, and civil commotion.
 12. The University of Burdwan is registered with Department of Scientific and Industrial Research (DSIR) for the purposes availing Customs duty exemption in terms of Government Notification and Central Excise Duty Exemption in terms of Government Notification.
 13. Payment will be made on bill basis after the receipt of the item in good condition, its satisfactory installation and commissioning at our site by e-payment. In case of Import, payment shall be made through Letter of Credit (L/C) / Wire transfer / Foreign Demand Draft. The bidder has to follow the terms and conditions laid down in the L/C.
 14. The warranty shall remain valid for minimum twenty-four (24) months from the date of satisfactory installation and commissioning at our site.
 15. Rate should be given both in words and figures clearly in the quotation. If there is any discrepancy between the words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.
 16. The shipment must be in the name of “Dr. Koushik Ghosh, Principal Investigator, DBT Project (No. BT/PR28574/AAQ/3/920/2018), Department of Zoology, The University of Burdwan, Golapbag, Burdwan 713104, INDIA”.
 17. The last date and time for receiving complete bids shall be strictly adhered to and no offer received after the due date shall be considered. Delayed / Late Tenders will not be considered at all. The University of Burdwan will not be responsible for any loss in transit.

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18. The acceptance of quotation will rest with the purchase committee which does not bind itself to accept the lowest quotation and reserves the right to reject, or partially accept any or all the quotations received without assigning any reason.

19. Date and Time Schedule :

Sl. No.	Particulars	Date and Time
1.	Date of uploading of N.I.T. & other Documents (On line) (Publishing Date)	19.09.2019
2.	Documents download start date (On line)	19.09.2019, 09.00 A.M.
3.	Documents download end date (On line)	14.10.2019, 11.00 A.M.
4.	Bid submission start date (On line)	19.09.2019, 09.00 A.M.
5.	Bid Submission closing date (On line)	14.10.2019, 10.00 A.M.
6.	Bid opening date for Technical Proposals (On line)	16.10.2019, 11.30 A.M.
7.	Date of uploading list for Technically Qualified Bidder (On line)	To be notified later
8.	Date for opening of Financial Proposal (On line)	To be notified later

REGISTRAR,
The University of Burdwan

Item name: UV-VIS Spectrophotometer with Temperature Controlled (Peltier) Cuvette Holder

Sl. No.	System / Components / Operation	Description	Complied (Yes/No)
1.	UV-VIS spectrophotometer	With standalone display and standard UV-solution program software enabled automatic calibration and self-diagnostic function	
2.	Optical system	True Symmetrical Double Beam with 2 detectors	
3.	Grating	Stigmatic concave diffraction metal grating with Seya-Namioka monochromator.	
4.	Display	System must have large color LCD display (Approx. 26 cm) with backlight. It should be aberration-free bright optics grooving and supported by ruling engine for permanent use	
5.	Wavelength range	190 to 1100 nm	
6.	Wavelength accuracy	±0.3nm (at 656.1, 486.0nm)	
7.	Spectral band pass	1.5 nm fixed	
8.	Stray light	0.05% or less (220nm for NaI, 340nm for NaNO ₂)	
9.	Noise level	± 0.00015 Abs or better	
10.	Baseline flatness	± 0.0006 Abs (within 200 to 950 nm)	
11.	Baseline stability	0.0003 Abs/h	
12.	Wavelength setting repeatability	+/-0.1 nm	
13.	Photometric range	-3 to 3 Abs 0 to 300%T	
14.	Photometric accuracy	±0.002 Abs, ±0.3%T	
15.	Photometric repeatability	±0.001 Abs (0 to 0.5 Abs), ±0.1%T	
16.	Response	Fast, standard, slow	
17.	Wavelength scan speed	10, 100, 200, 400, 800, 1200, 2400, 3600 nm/min	
18.	Light source	Deuterium Lamp, Tungsten Iodide Lamp	
19.	Light source changeover	Automatic switchover interlocked with wavelength	
20.	Printer and Serial Interface	Centronics interface and RS-232C interface	
21.	Measurement volume	In addition to 3 mL and 1 mL, the system should be capable for measurement of trace samples as 5µl, 25µl, and 50µl of volume in medical and biochemical fields	
22.	Software	<ul style="list-style-type: none"> Measurement mode: photometry, 	

	function/application	<p>wavelength scan, time scan, multiple wavelength</p> <ul style="list-style-type: none"> • Ratio (260/280) • Measurement should perform while automatically shifting measuring wavelength to a maximum of 6 wavelengths. • 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 	
23.	A peltier based cell holder (with magnetic stirrer)	<p>Cuvette Holder with base plate and utility access panel TC 1 Temperature Controller, Performance Plot, Calibration Data Magnetic Stir Bar, Tubing, and Cables BATH 10 Circulator.</p> <ul style="list-style-type: none"> • Temperature Range -15 °C to +110 °C • Temperature Precision ± 0.02 °C • Temperature Accuracy ± 0.15 °C from 0 °C to + 80 °C ± 0.3 °C from - 20 °C to + 110 °C • Temperature Reproducibility better than ± 0.07 °C • Thermistor Probe Accepted Series 400 or Series 500 • Cuvette Size O.D. 12.5 x 12.5 mm Minimum • Cuvette Height 30 mm • Magnetic Stirring Speed 400 to 1700 rpm • Cuvette z Height 8.5 or 15 mm (specified when ordering) • Optical Port Dimensions 12 mm high x 10 mm wide 	

		<ul style="list-style-type: none"> The system should have Rapid, precise control -15 °C to +110 °C; Calibrated using a NIST-traceable thermometer <p>Should have cuvette lifters for removal of cuvettes, variable speed magnetic stirring, dry gas purge, thermometer probe input, uncontrolled holder for reference cuvette, and temperature ramping capability.</p>	
24.	Quartz cuvettes	2 sets; 3.5ml and 1 ml capacity	
25.	A branded desktop	<ul style="list-style-type: none"> Core i3 or higher, 8 GB RAM, 1 TB, 23.8 inch monitor, wireless; with HP LaserJet printer Licensed windows based operating software and state-of-the-art computer control system compatible with the measurement options 	
26.	Online UPS	A 2KVA online UPS with minimum 15 min backup	
27.	Future upgrades	System should be Upgradable with GLP/GMP, Report generator and UV Navigation program	
28.	Customer Satisfaction	Vendor must provide at least 10 customer satisfaction letter / certificates from Indian Institutes / Labs where similar measurement systems are installed and working satisfactorily.	
29.	Documents	The capability of the system performance and specifications has to be supported with valid and certified documents.	
30.	Warranty	At least two years	