



iCEIB

**Inter University Centre for
Evolutionary and Integrative Biology
University of Kerala
Kariavattom, Thiruvananthapuram**

Ref no: iCEIB/PURCHASE/EQP/001/24

dated :4th March 2024

TENDER NOTICE

Competitive tenders are invited from the reputed firms/ manufactures/distributors for the supply of following mentioned equipment's in the iCEIB, University of Kerala. The tenders shall be submitted to the Hon. Director, Inter-University Centre for Evolutionary and Integrative Biology (iCEIB), University of Kerala, Kariavattom campus, and 695581, Thiruvananthapuram, Kerala on or before **22nd March 2024 at 3.30pm.**

1. Name of the Equipment	1. DOUBLE BEAM UV-VIS SPECTROPHOTOMETER TOUCH SCREEN 2. AUTOCLAVE (Vertical) 3. PH/MV/TEMP BENCH METER
2. Documents to be submitted.	<u>Technical Bid</u> 1. Address and details of the firm 2. GST registration details 3. Technical details 4. Any other relevant information <u>Financial Bid</u> 1. Financial Quote
3. Last date of receipt of tender/Bid closing	22/03/2024-3.30 PM
4. Date and time of Opening Bid	25/03/2024-10.30 AM

Specifications

DOUBLE BEAM UV-VIS SPECTROPHOTOMETER TOUCH SCREEN

- **CE , ISO 9001, FDA, NSIC CERTIFIED**
- 10.1 Inches Colored Touch Screen
- Auto Wavelength Setting at 0.1 nm interval
- On-screen Standard and Kinetic Curve Display
- Tungsten/Deuterium Lamp can be turned ON/OFF Individually to Extend Lifetime
- Application Software provides complete control of the instrument from a computer through the built-in USB Port.
- Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative, DNA/Protein modes
- Pre-aligned design makes it convenient to change Lamps
- FUNCTION : Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein
- WAVELENGTH RANGE : 190 - 1100 nm
- SPECTRAL BANDWIDTH : 1.8 nm
- OPTICAL SYSTEM : Double Beam, Grating 1200 lines/mm
- WAVELENGTH ACCURACY : ± 0.1 nm
- WAVELENGTH REPEATABILITY: ± 0.1 nm.
- SCANNING SPEED: HI, MED & LOW, MAX. 3600 nm/min
- PHOTOMETRIC ACCURACY: ± 0.3 %T or ± 0.002 A/h @1 A
- PHOTOMETRIC RANGE: %T : 0 - 200% , Abs : -0.3 to 3A, Conc. : 0 - 9999 C
- STRAY LIGHT : $\leq 0.03\%$ @ 220 nm & 360 nm
- STABILITY : ± 0.001 A/h @ 500 nm
- DISPLAY : 10.1 Inches Colored Touch Screen
- BASELINE FLATNESS: ± 0.001 A/h (200 -1000 nm)
- SAMPLE COMPARTMENT: 2 cell - 10 mm path- length.
- LIGHT SOURCE : Halogen & Deuterium Lamps (Pre-Aligned)
- PRINTER INTERFACE : Parallel port for Dot Matrix
- POWER : 230 V $\pm 10\%$ AC, 50 Hz

Supplied with Glass Cuvettes(A set of 4) , Quartz Cuvettes (A set of 2)

2.AUTOClave (Vertical)

- Double walled construction, inner body made of heavy gauge stainless steel 304 quality sheet.
- The lid and ring are made of stainless steel plate.
- The lid is fitted with pressure gauge, safety valve, steam exhaust valve and vacuum breaker provided safety valve is set to blow off at 15 PSI.
- A silicon rubber gasket is fitted in the ring to ensure steam tight joint of the lid.
- Outer body made with choice of S.S. sheet or M.S. sheet powder coated.
- Foot operated lifting mechanism for lid opening. Electrically operated, ISI quality immersion type heaters are used for heating.
- The Autoclave is supported with three sturdy legs duly painted.
- Supplied with S.S Perforated basket.
- Outer S.S. & Inner S.S.- Size: 250x450 mm, 23 Ltr., 1.5 K.W
- CE , ISO certified
- Automatic water level cut-off system

3.PH/MV/TEMP BENCH METER

➤ pH Range	0.00 to 14.00 pH
➤ Resolution/Accuracy	0.01 pH/± 0.01 pH
➤ mV Range	± 1999 m.V
➤ Resolution/Accuracy	0.1 (± 199.9 mV) / 1 mV (>± 199.9 mV) ± 0.2(± 199.9 mV) /± 2 mV (>± 199.9 mV)
➤ Temp.Range	0.0 to 100.0 ⁰ C
➤ Resolution/Accuracy	0.1 ⁰ C/ ± 0.3 ⁰ C
➤ ATC	Yes (0 to 100 ⁰ C)
➤ No.of pH Calibration Points	5 points
➤ Buffer Options	USA; pH 1.68, 4.01, 7.00, 10.01, 12.45 NIST; pH 1.68, 4.01, 6.86, 9.18, 12.45
➤ Built-in Electrode	Yes
➤ Memory	100
➤ Output	Recorder(+2000 mV)
➤ Electrode	Included general purpose glass-body refillable indigenous pH combination electrode BNC connector, 1m cable length
➤ Temp.Probe	Included (Indigenous)
➤ Power Requirements	Included, adapter for 220 VAC,500 mA,9 VDC

Terms and Conditions

- The price quoted should be that applicable for the educational institutions (**18% GST inclusive**)
- **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 (**iCEIB, University of Kerala, Kariavattom**). The prices quoted should clearly indicate the 4 following charges: Price of the equipment including taxes; Price of optional accessories if any; Customs duty if any (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.
- Technical Bid and Financial Bid must be placed in individual sealed envelopes and these envelops must be placed inside a bigger envelope.
- **If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in single tender it will be summarily rejected.**

- Performance Certificate of the specified model should be attached along with the quotations.
- The undersigned reserves have the right to reject any or all of the tenders received without assigning any reason thereof.
- If any of the components is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.
- **Supplier authorization letter and specification compliance sheet to be provided along with the quotation.**
- The interested bidders shall submit their best possible offer before last date to the undersigned.

For more details, please log on to www.keralauniversity.ac.in. Last date for the receipt of tenders is **3.30 P.M. on 22.03.2024**. Tender forms can be downloaded from the University web site www.keralauniversity.ac.in.

The cost of the tender form for each equipment Rs.826/- (Rupees Eight hundred and Twenty six only) (i.e. Rs.700 + 18% GST) and the Earnest Money Deposit (EMD) of **Rs.3500/-** for each. (Rupees One thousand and five hundred only) should be remitted byway of Demand Draft issued from a nationalized/scheduled bank, drawn in favour of **The Director, iCEIB, University of Kerala, Kariavattom payable at State Bank of India, Kariavattom Campus (SBIN0070043)**. The tender documents, along with separate DD towards the cost of the tender form and the EMD should be submitted/sent to **Prof. G Prasad, The Director, iCEIB, University of Kerala, Kariavattom, and Thiruvananthapuram 695581**. **Cheques will not be accepted.**

The rate quoted should be inclusive of all charges such as packing, forwarding, freight loading/unloading/handling and Government duties leviable, if any. The University reserves the right to accept or reject any or all the tenders without assigning reasons whatsoever.

Thanking you

Yours sincerely,


Hon. Director

Prof. G. Prasad
Hon. Director, iCEIB
Inter - University Centre for
Evolutionary & Integrative Biology
University of Kerala, Kariavattom
Thiruvananthapuram- 695 581

