

CHRISTIAN COLLEGE, KATTAKADA
THIRUVANANTHAPURAM- 695572

No. CCK/SRS/BO (T) 10/2019

Date: 25.01.2019

TENDER NOTICE

Sealed tenders are invited from the eligible firms for the supply and installation of Double beam UV-Visible Spectrophotometer under KSCSTE Project in the Department of Botany, Christian College, Kattakada.

Last date of sale of Tender form	13-02-2019 at 1pm
Last date of submission of Tenders	13-02-2019 at 1pm
Tender opening date	13-02-2019 at 2 pm
Probable Amount of Contract	Rs. 3,20,000/-

Tender form obtained from the college office during the working hours up to 06-02-2019 at 1 pm at the rate of Rs.900.00 + GST (18%). Copy of Cash Receipt for the purchased Tender Documents from this office may be submitted along with the tenders. Tender should follow the terms and conditions of Store Purchase Rules, Govt. of Kerala.

Technical Specifications for Double Beam UV-Visible Spectrophotometer

Optical Design: Double Beam with sample and reference cuvette positions

Range : 200 – 1100 nm

Wavelength Accuracy : ± 0.5 nm

Resolution : 0.1nm

Repeatability: ± 0.2

Bandwidth : 2 nm

Photometric Range : 2.5Abs

Photometric Accuracy : ± 0.005 Abs at 1 Abs

Stray light $\leq 0.05\%T$ at 220nm

Data Intervals: 10, 5, 2, 1, 0.5, 0.2, 0.1 nm

Light source

Tungsten –Halogen lamp and Deuterium lamp with automatic changeover/ Xenon flash lamp

Operating mode

Single wavelength, multi wavelength, scan (With multiscan facility), Time scan (Kinetics)

Instrument should have the facility for self-diagnosis, Baseline calibration, Wavelength calibration, cell optimization (GLP/GMP)

Instrument have below Measurement modes

Nucleic acid concentration (DNA & RNA) and purity measurements

Direct and colorimetric protein quantification

Quantitative Analysis, Enzyme Kinetics

Scanning, Fixed wavelength at multiple wavelengths with calculations

Live Display in Abs, % Transmittance or Concentration, Photometry, Spectrum scan

Sample Holder

Five position automatic Positioning 10mm cuvette for sample and one for reference

Accessories:

Laptop with Minimum of Core i3 7 generation, WINDOWS 10, DVD writer, 1 pair quartz cuvette(3.5 ml/10mm), servo stabilizer, online UPS with back up.

Note:

- 5% of the total cost of the equipment should be remitted in advance as Security Deposit as DD in the account of the Principal Investigator.
- Tenders should provide minimum ten numbers of user list and contact list for similar items, with website details.
- Tender should provide the manual of the product with all specifications.

Conditions

1. The rate quoted should be inclusive of all Taxes, transportation charges and any other charges and with 12 months warranty and 12 month AMC
2. Complaints with the items supplied should be rectified /replaced to the satisfaction of the Authorities by the suppliers at their own cost.
3. Payment will be made only after the supply and installation of the items at our own site.
4. The undersigned reserves the right to reject /accept any quotation without assigning any reason.
5. The equipment should be installed in the Department of Botany, Christian College, Kattakada

The sealed tenders should reach **‘The Principal, Christian college, Kattakada, Thiruvananthapuram-695572, Kerala** on or before **13/02/2019** at **1.00 p.m.**

Sd/-

PRINCIPAL

For more details contact: Dr LUBAINA A S, Principal Investigator, KSCSTE Project, Dept. of Botany, Christian College, Kattakada. Mobile No- 9446753575