

BAHAUDDIN ZAKARIYA UNIVERSITY,
MULTAN.

TENDER DOCUMENT

For

LAB. EQUIPMENT FOR THE
INSTITUTE OF FOOD SCIENCE & NUTRITION

Last Date of Submission: 11.01.2017

BAHAUDDIN ZAKARIYA UNIVERSITY, MULTAN

www.bzu.edu.Pk

Tel.# 9210071-5 Ext.1318

TENDER FORM OF THE BAHAUDDIN ZAKARIYA UNIVERSITY, MULTAN FOR THE YEAR 2016-17.

Spectrophotometers for the Department of Soil Sciences ON LC (C&F) Basis

Advertised Tender No. T/2016-17/58

Last Date of Receipt of Tender 11-01-2017 12:30PM

Date of Tender Opening 11-01-2017 01:30PM

Tender Price:- Rs.1000/- (Non-refundable)

Earnest Money @5% on Estimated Amount (Refundable)

VENUE TENDER: Treasurer Office B.Z. University, MULTAN.

1. All tender must be submitted on their tender document with sealed envelope and addressed to the Treasurer, Bahauddin Zakariya University, Multan.
2. Any offer not received as per terms & conditions of the tender will be rejected.
3. No offer shall be accepted if:
 - (i) It is received after the time and date fixed for its receipt.
 - (ii) Received without earnest money from the firms.
 - (iii) The tender document is unsigned.
 - (iv) The tender is ambiguous.
 - (v) The offer is conditional.
 - (vi) The offer is from a firm, black listed /suspended or removed from the approved list.
 - (vii) The offer is received by telegram or Fax.
 - (viii) The offer is received with shorter validity than required in tender enquiry.
 - (ix) The offer is not conforming to specifications indicated in the tender enquiry.

Detail

LC (C&F) Basis

Sr. No.	Item/Equipment	Qty.	Earnest Money @5% on Estimated Cost
1.	<p><u>HPLC System Quaternary Gradient</u> Routine HPLC System Consisting of: HPLC Pump System, Quaternary Gradient, Programmable dual-piston pump head for low pulsation Stainless Steel (Analytical) Programmable dual-piston pump head for low pulsation, camshaft constantly lubricated, with interface RS 232C, digital I/O and analog pressure outlet; Flow rate: 0.001 – 10.000 ml/min Pressure range: 0 – 40 MPa (0-6000 PSI) Power Supply: 100-250V (47 -63 Hz)</p> <p>With four Channel Degasser built in pump</p> <p>UV/Vis Variable Wavelength Detector Variable 1-Channel UV/Vis Detector with Built In Deuterium and Tungsten lamps Wetted Material: Stainless Steel Baseline Drift: 3×10^{-4} AU/h Baseline Noise: $\pm 1 \times 10^{-5}$ AU (@ 240nm, 2 Sec. Risetime) Wavelength range: 190 - 800nm Wavelength accuracy: ± 2nm Linearity: > 2.0 AU Light Source: Deuterium and Tungsten lamps Wavelength program: Programmable 10 steps Control features: Integrated Peak Detector with +24V solenoid switching output RS 232 serial interface and digital I/O, With Built in Flow Cell, Complete, operated on 220 volts</p> <p>Manual Injector: High-Pressure Sample injector valve with mounting bracket. Sample injection by means of a microliter syringe capacity of sample loop 20μl with NFi (no-Flow-Interruption) Technology</p>	01 No	Rs.325,000/-

Data System (including instrument control):

Clarity Chromatography Software

21 CFR Part 11 complaint software for a single HPLC system
(1 time base) Upgradable to 4 independent systems

Integration

There is extensive possibility to modify chromatograms.

The chromatogram can be changed by entering global parameters or interactively, through direct graphic modification of the baseline.

Overlay

Simultaneously displays a virtually unlimited number of Chromatograms and their mathematical modification; for Example, mutual deductions or derivations of any order.

Calibration

Internal and external standard calculation methods, calibration of groups of peaks and reference peaks method for better identification.

Automated measuring support

Sequence tables for any set of samples with or without an auto sampler.

Add-on: HPLC instrument Control

Instrument control for HPLC instruments

Add-On: MultiCom

1xUSB to 6x RS232 Converter With 1-No HPLC Column C18 size 250 x 4.6mm 5 u With Computer & Laser Printer for HPLC(Locally Supplied)

ACCESSORIES

a. **Column Oven** is a contact heat transfer oven for high temperature stability and accuracy. The columns are mounted inside the column oven in optimized column holder which enclose the complete column to get the best

temperature transfer between the heater and the column.

Temperature Range: ambient +5°C to

150°C Temperature Accuracy: < 0.1 °C

Safety Features: Temperature Fuse; Leakage Sensor
Operated on 220 volts

b. Autosampler

Automatic Sample Injector System

Feature a machinery durable X/Y/Z sample-machine, Self-lubricating bearings, dual needle design to avoid

Systems blockages due to spetum particles,

Sample capacity: 60 samples (1.5ml)

Sample loop: 100µl standard

Carry over:< 0.05% with wash program

Operated on 220 volts

c. HPLC UV/Vis Detector (Diode Array Detector)

UV/Vis Detector photodiode array (PDA)

Detector for routine analysis and sophisticated research.

- 4-Wavlenth channels to measure chromatograms at 4 different wavelengths at the same time. With this feature the optimum wavelength can be selected for each analyzed substance.

- The integrated peak detector works as a basic fraction collector.

The peak detection level can be freely programmed for peak start and peak end to enhance the collection purity. An integrated 24V output for switching a solenoid valve is used for the fraction collection, which is automatically operated with a selectable time delay.

Specification:-

Wetted Materials: Stainless Steel

Baseline Noise: $\pm 1 \times 10^{-5}$ AU (@240 nm, 1sec. Rise time)

Baseline Drift: $<3 \times 10^{-4}$ AU/h

Number of Diode: 256

Wavelength Range: 190 – 720nm

Wavelength Accuracy: 0.5 nm (256 Diodes)

Mean Pixel Pitch: 2.2 nm (256 Diodes)

Resolution (λ FWHM): 7 nm (256 Diodes)

Linearity: > 2.0 AU

Data Rate: 1 Hz to 100Hz

	<p>Flow cell built in Light Source, Deuterium Lamp, Tungsten Lamp Operated on 220 Volts</p> <p>d. FLUORESCENCE DETECTOR Programmable with 150W Xenon Lamp with scanning capacity wavelength range 200 – 650nm and 0 order, time programme function, cell 12uL square quartz cell, maximum pressure 1.96MPa, sensitivity S/N > 300 for Roman Spectrum Water. Operated at 220volts</p>		
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Note:

1. For all the Brands mentioned in this tender (if any), the term “or equivalent” is hereby added and shall be considered as per PPRA rules.
2. The firm should prepare Technical bid as per requirement of Tender Document and submit with clear heading “Technical Bid/Offer”.
3. Further, Company profile may be submitted (with supporting documents) in the sequence as required for Technical evaluation of firm/tender.
4. Technical bid/offer complete in all respect being submitted be paginated by the firm.

TENDER DOCUMENT

Certificate

1. We / I hereby confirm to have read carefully the terms & conditions of your Tender Enquiry dated for opening on ----- for the purchase of ----- . We agree to abide by all these terms & conditions/instructions.
2. Certified that the prices quoted against advertises tender dated-----are not more than the prices charged from any other purchasing Agencies in the country in the financial year ----- and in case of any discrepancy, we/I hereby undertake to refund the price charged in excess if and when asked to do so.
3. Certified that the prices quoted by our firm are inclusive of G.S.T and all taxes as per rules and regulations.

1. NAME OF FIRM-----
2. ADDRESS-----
3. INCOME TAX NO-----
4. SALE S TAX REGN NO-----
5. NAME OF TENDERER-----
6. NAME OF BANK AND A/C NO.-----
7. C.N.I.C NO.-----
8. SIGNATURE OF TENDERER -----
9. DATE AND STAMP -----

CRITERIA FOR TECHNICAL EVALUATION OF THE TENDER

The quotation /bid who secure 60% marks will qualify for the competition.

Sr. No.	Parameter	Weight age
1	Technical Specification of Product	45%
2.	Age of Company/Firm	10%
4.	Financial strength of the vender	15%
5.	H.R. Strength	05%
6.	On site back up support	10%
7.	Relevant experience	10%
8.	Certified Engineer	05%
<u>Total</u>		100%

TENDER DOCUMENT

TERMS & CONDITIONS

- i. Sealed bids are invited for the purchase of Lab. Equipment for the Institute of Food Science & Nutrition, B.Z. University Multan.
- ii. The interested bidders shall submit their bids under Single stage- two envelope procedures as defined by Govt. of Punjab Procurement Regulatory Authority.
- iii. The bidders will submit their bid in the two envelopes shall contain technical and financial proposals separately and clearly marked as "TECHNICAL PROPOSAL" & "FINANCIAL PROPOSAL" in bold letters. The financial proposal should accompany earnest money amounting to 5% of the estimated price, in the form of call deposit in favor of the Treasurer, B.Z University Multan.
- iv. In the first stage, only the envelopes containing "TECHNICAL PROPOSAL" shall be opened in the presence of bidders (or their authorized representatives) who may like to attend the tender opening meeting.
- v. The "TECHNICAL PROPOSAL" shall be evaluated and no amendments in the "TECHNICAL PROPOSAL" permitted.
- vi. **The Technical Committee may accept or reject supplier bid after inspection of their services/equipment and demonstration of the quoted equipment.**
- vii. Financial bid will be opened after the completion of all codal formulation of evaluation of the Technical Bid on the date, and time which will be communicated to the bidders.
- viii. Financial bid will be opened for those bidders who submitted their Technical bids OR fulfill the Technical requirement in the presence of the bidders in case any bidder after written call will not be present at the time of opening due to any reason then any claim by him will not be accepted in future. Otherwise their Financial Bids shall be returned un-opened to the respective bidder.
- ix. **Prices of items should be quoted on LC (C&F) basis and foreign currency to be quoted for C&F price as USD.**
- x. Bahauddin Zakariya University, Multan reserves the right to drop any items given in the tender without assigning any reason and also reserves the right to reject any or all bids.
- xi. Sole distributor certificate (if any) should be attached with the bids.
- xii. **Exclusive distributorship certificate duly signed and stamped from Principal and attested by Chamber of Commerce (as the case may be) and/or Embassy of the manufacturer Country may also be provided.**
- xiii. The quotations offering substandard product can be screened out to ensure procurement of Lab. Equipment.
- xiv. The rates will be valid up for 120-days from the date of opening the tender.
- xv. A University Inspection committee will inspect the Lab. Equipment and further will recommend for payment.
- xvi. The firm must attach photocopy of income tax and Sales Tax Registration with the quotation, otherwise quotation will not be accepted.
- xvii. Attached proforma/Certificate should invariable be filled and submitted with the quotation.
- xviii. All bids should reach the office of Treasurer, Bahauddin Zakariya University, Multan on or before **11.01.2017** at 12:30 pm. The bids will be opened on the same date at 01:30 pm.
- xix. Price of each item should be mentioned including GST/ all Taxes in Tender.
- xx. Quotation should be submitted in print output/typed condition preferably.
- xxi. **An affidavit on stamp paper Rs.200/- regarding Terms & Conditions of the bid contract maintenance of equipment & replacement of defective parts under warranty shall be done without any cost & that the firm has never been blacklisted on any grounds whatever.**
- xxii. The successful bidders will be responsible for payment of custom clearance/agent charges/insurance premium and transportation from Air Port/Sea to B.Z. University premises in case of LC's.

TREASURER
UAN. 111229988 Ext.1318