

BAHAUDDIN ZAKARIYA UNIVERSITY,
MULTAN.

TENDER DOCUMENT

For

LAB EQUIPMENT'S FOR THE
FACULTY OF VETERINARY SCIENCES

Last Date of Submission: 21.09.2016

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.

Lab Equipment's for the Faculty of Veterinary Sciences ON F.O.R. Basis

Advertised Tender No. T/2016-17/06

Last Date of Receipt of Tender 21-09-2016 12:30PM

Date of Tender Opening 21-09-2016 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

Sr. No.	Name of Equipment's and Specifications	Qty.	Earnest Money @5% on Estimated Cost
1.	<p>Vortex Mixer Vibrating motion continuously analog dial speed control Electronic speed regulation 0 – 3000 rpm Vibration orbit 4.5 mm, operating mode: touch, continuous , high stability, Operated on 220 Volts Warranty and free after sale service for 3 years post installation</p>	03 Nos	Rs.500,000/-
2.	<p>pH meter with electrode pH Meter Digital Bench Model Microprocessor Controlled with parallel Temperature indication, PH Range -2.0 to 20.0 ±0.1pH, PH Resolution 0.005pH, MV Range ±1200.0mV, Accuracy mV ±- 0.3mv, Automatic Temperature Compensation, Temperature Range –5 to +10.0°C, Temperature accuracy ±0.1°C with two/three point Calibration System, Battery operated as well as operated with 220 Volts Complete with following accessories:- a) Black Electrode stand with base. b) Plastic Beaker 50 ml. c) 3MKCL Solution 50 ml. d) Calibration Standard solutions PH 4, 7 & 10 50ml each. e) PH Electrode precision Type with Built in Temperature Sensor. Warranty and free after sale service for 3 years post installation</p>	05 Nos	
3.	<p>Centrifuge Hematocrit Clinical Hematocrit Centrifuge machine Microprocessor Controlled with alarm system Made up of technically advanced country (Japan or Germany) Operated at 220 Volts Warranty and free after sale service for 3 years post installation</p>	02 Nos	
4.	<p>Hot air oven Temp range: ambient + 5°C to 180°C/ 250°CX1°C resolution, temp Control: thermostat/digital controller/P (micro) controller, with suitable sensor. Oven Precise drying, Adaptive Multifunctional Digital PID-microprocessor</p>	03 Nos	

	<p>Controller with High-Definition TFT-Color Displays</p> <ul style="list-style-type: none"> • Temperature range 5°C above ambient up to +300°C • Single DISPLAY • natural convection • adjustment of pre-heated fresh air admixture by air flap control in 10% steps for each segment individually • self-diagnostics for fault analysis • digital timer adjustable from 1 minute to 99 days, 23 hours • Multiple Over temperature Protection with audible and visual alarm • Interior Stainless Steel & Textured Stainless Steel Casing <p>Operated on 220volts, Capacity 110 Lit (internal dimensions 108 litres, 560 x 480 x 400 mm) with single stainless steel tray</p> <p>Warranty and free after sale service for 3 years post installation</p>		
5.	<p>Desiccators with vacuum pumps Desiccators with dry vacuum pump Made of any advanced country Warranty and free after sales service for 3 years post installation</p>	04 Nos	
6.	<p>Sonicator with probe SONICATOR//Ultrasonic cell disruptor Digital microprocessor controlled programmable digital actual amount of power in watts, Ultrasonic Processor with Timer and Pulser – 150 microliters to 150 milliliters, automatic tuning & frequency control automatic amplitude compensation, variable power output control with built in timer, Net power output: 130 Watts. frequency 20KHz, with CV18 converter and STANDARD probe Complete Unit, operated on 220 Volts with sound box, Warranty and free after sale service for 3 years post installation</p>	01 No	
7.	<p>Tissue homogenizer. Speed range 5000 - 25000 rpm, dispersing volume Tissue Homogenizer Digital speed display with superior magnetic drive-less technology, smooth operation as a result of no motor and no mechanical couplings, extremely low noise integrated rpm meter, choice of 10 different tools from 8mm to 18mm Ø Speed range: 5000 to 26000 rpm, Dispersing volume: From 3 to 1,500 ml (Subject to different tools) Range of viscosity: From 1 to 5000 mPaS</p>	01 No	

	<p>Light weight: 1 Kg only Power consumption: 130W Dimension: Drive unit(WxHxD) in mm: 90 x 174 x 90 Supply voltage: 100 – 240V, 47 – 63 Hz Steam sterilization: Up to 130°C Hot Air sterilization: Up to 180°C Under pressure or vacuum: 8 bar & 20 mbar Accessories: 1. Plate stand P/N 570-17000-00 2. Cross sleeve P/N 570-31100-00 3. Vessel holding bracket 4. Dispersing tool stainless volume range 100-1500ml 9mm dia. Operated on 220 Volts Warranty and free after sale service for 3 years post installation</p>		
8.	<p>Incinerator Three chamber, Controlled Air Incinerator Plant for burning solid waste and animal carcass Loading capacity 1000Kg Burning capacity 250-500Kg/Hour Fuel: Dual option for Gas/LPG and Diesel Incinerator Design: Controlled Air Type Incinerator type: Three Chamber Loading type system: Manual Batch Type Loading Capacity : 1000 KG Burning Capacity: 300 KG / hr. Working temp of primary chamber: 700°C - 800°C Working temp of Secondary Chamber:1150°C - 1400°C Residence time of flue gases: min 2 sec at 850°C O₂ Rate in the Flue: min 6% Thermal insulation of all chambers & Chimney Central Control panel for safe start of blowers with necessary interlocking of running cycle. Powered winch for loading heavy carcasses with30-50 feet rail track Accessories should include 05 trolleys, heavy gloves (10 pairs) and 10 long shoes pairs Construction of platform and shed Equipped with all additional accessories for complete functioning of incinerator 03 years post installation after sale service warranty Smokeless and Environment Friendly ISO Certified manufacturing company Test Certificate from local regulatory authorities Warranty and free after sale service for 5 years</p>	01 No	
9.	<p>Mini-Centrifuge Machine Mini-centrifuge machine Centrifuge Machine, digital control over speed & time,</p>	01 No	

	<p>Maximum speed up to 25000 rpm with safety lock-lid will not open with rotor in motion.</p> <p>Technical Specification: Speed range: 3000 to 25000 rpm Timer: 0.5 to 30 minutes or continuous momentary option Made up of any technologically advanced country Warranty and free after sale service for 5 years</p>		
10.	<p>Homogenizer Tissue Homogenizer Microprocessor control stores up to 12 programs with multiple speed, time and ramping functions Speed control from 1,000 to 28,000 rpm maintains constant speed over a wide operating range for accurate (+/- 1/2%) repeatability Moveable platform stand Compatible with all EZ Connect accessories, including the patented Plastic Generator Probes Optional RS-232 computer interface and Windows program Quiet 68 db operation at maximum speed Processing Range: <200µL-10L Power Rating: 700watt Speed Control: Variable from 1,000-28,000rpm, soft start, 0.5% accuracy Programs: 12 programs with 12 time and speed steps, including ramping function Interface: RS-232 and windows software Dimensions: 34.5 in. max. height Standards Approval: CE certified Warranty and free after sale service for 3 years post installation</p>	01 No	
11.	<p>Electro-ejaculator for ram Manual adjustable pulse/pause ratio Digital power control with microprocessor 3-digit digital display for the indication of the power output (display values from 0–20 with a resolution of 0.5 units). 12 V extended power supply source. One probe size: - Ø:1"/2.54cm; length:16cm;3electrodes Warranty and free after sales service for 3 years post installation</p>	01 No	
12.	<p>Gerber's Centrifuge with Tubes Gerber Machine with Rotor for 8 Butyrometer Tubes Speed range up to 1350rpm, RCA 350gm and effective radius 170 mm, built in digital timer and heating</p>	01 No	

	<p>regulated up to 65°C, with safety lid lock Warranty and free after sales service for 3 years post installation</p>		
13.	<p>Magnetic Stirrer Magnetic Stirrer with Hot Plate Temperature range up to 370°C, Variable Speed Control upto 1200rpm Heating Plate Ø: 155mm, Stirring capacity: 15 liter Power: 630 Watt, with PTFE follower, operated on 220 volts Warranty and free after sales service for 3 years post installation</p>	05 Nos	
14.	<p>Automatic egg grader Electrically measures the eggs weight, albumen height and yolk color without touching the egg. Automatically calculates and classifies the Haugh unit. Displays and prints measured values and calculated values. High measurement accuracy. Constantly stable measurement, not depending upon individual operators. Shortens the measurement time (approx.17 seconds per set). Supplied with Calibration Test Kit which includes 100g weight, calibration testing jig and yolk color fan. Measurement Specifications Egg weight: 20gr - 150gr +/- 0.1gr Albumen height: 0mm - 30mm +/- 0.1mm Yolk color: 1 through 15 according to the Roche Yolk color fan Haugh unit: 0 - 130 Ranks: AA : 72 or more A : 71 - 60 B : 59 - 31 C : 30 or less Collection and calculation software functions to collect and average up to 100 units of data, and display and print the results. Built-in printer Supply voltage: 230V, 50/60 Hz Measurement: 280mm (11") x 280mm (11") x 330mm (13") Proprietary Software Proprietary Software to work with external Windows based PC Enhanced data storage/retrieval Enhanced data processing</p>	01 No	

	Enhanced printing option Warranty and free after sales service for 3 years post installation		
15.	Battery Brooder Battery Brooders Medium to large sized Warranty and free after sales service for 3 years post installation	05 Nos	
16.	Egg Candler Rapid analysis of egg contents Calibrations for common egg contents Multiple ports for candling 72 eggs at same time Voltage 220; Warranty and free after sales service for 3 years post installation	02 Nos	
17.	Infrared Brooder Heating area per unit 800-1000 square foot Pilot ignition 4200 BTU 18-26 lbs Direct spark ignition 40,000 BTU Canopy width 34 inches Height 14 inches Height from floor 60-72 inches Operated on both electricity and gas Warranty and free after sales service for 3 years post installation	02 Nos	
18.	Shell Thickness Measuring Equipment (Hague Unit), Micrometer/Vernier Caliper/Screw Gauge) Digital Micrometer designed for measuring shell thickness Sensitivity 0.01 mm; Capacity 0.10 mm/0.5 inches Neck 35 mm; Operation Lever Warranty and free after sales service for 3 years post installation	01 No	
19.	Trap Nest Trap Nest with iron frame Wire gauze of 01 inches diameter	02 Nos	
20.	Vaccine automizer (medium size) Atomizer with various nozzles for vaccination of birds Disinfection, sterilization, pest control, air purification Automization Volume : 50-250 ml/ mint Motor :220V Power 800 V Effective range 6-8 meters Tank capacity : 02-05 litres Warranty and free after sales service for 3 years	02 Nos	

Note: **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.**

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%

Total 100%

TENDER DOCUMENT

TERMS & CONDITIONS

- i. Sealed bids are invited for the purchase of Lab Equipment's for the Faculty of Veterinary Sciences, 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 @5% of the Estimated Cost, 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. 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.
- vii. 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.
- viii. 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.
- ix. Sole distributor certificate (if any) should be attached with the bids.
- x. The quotations offering sub standard product can be screened out to ensure quality procurement of Lab Equipment's.
- xi. The rates will be valid up for 120-days from the date of opening the tender.
- xii. A University Inspection committee will inspect the Lab Equipment's and further will recommend for payment.
- xiii. The firm must attach photocopy of income tax and Sales Tax Registration with the quotation, otherwise quotation will not be accepted.
- xiv. Attached proforma/Certificate should invariable be filled and submitted with the quotation.
- xv. All bids should reach the office of Treasurer, Bahauddin Zakariya University, Multan on or before **21.09.2016** at **12:30 p.m.** The bids will be opened on the same date at **01:30 p.m.**
- xvi. Price of each item should be mentioned including GST/ all Taxes in Tender.
- xvii. The tender should be quoted on the basis of free delivery of Lab Equipment's at the Faculty of Veterinary Sciences, B.Z. University Campus.
- xviii. Quotation should be submitted in print output/typed condition preferably.
- xix. Conditional bid will not be accepted.

TREASURER
UAN. 111229988 Ext.1318