



The Islamia University of Bahawalpur

PROCUREMENT OF LAB EQUIPMENT & PERMANENT ITEMS FOR INSTITUTE OF PHYSICS TENDER-A FORM (FINANCIAL BID)

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challah No. & amount _____ 6. CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

Sr	Name of Items	Quantity	Rate per item inclusive
01	32 Channels EEG Flex Gel Sensor Headset, Charger, Operating software/app (Life Time Subscription)	01	
02	Heart rate variability Monitor Including the following: AIM device, Bluetooth Dongle, 8 Sensor Leads, PPG/HRV/SpO2, GSR, Temperature Sensor, Respiration Sensor, 30 ECG Electrodes, 2 Batteries, Charger, Carrying case	01	
03	Regulated power supply 24 V and 10 Amp adjustable powder supply with digital meters	01	
04	Function Generator 1 uHz to 20 MHz frequency range, With 20 MHz bandwidth, 14-bit resolution, and 250 MS/s sample rate	02	
05	Photo State Machine Photo State Machine with builtin printer + scanner	01	
06	Resonance frequency of an acceptor circuit A variable non inductive resistor, a variable capacitor, a variable inductor, a signal generator, an a.c. milliammeter and connecting wires	02	
07	Resonance frequency of a rejecter circuit A variable non inductive resistor, a variable capacitor, a variable inductor, a signal generator, an a.c. milliammeter and connecting wires	02	
08	Cathode rays Oscilloscope Bandwidth = 70MHz Channels = 2 Sample rate on each channel = 1.0 GS/s Record length = 2.5k points at all-time bases	04	
09	Microwave Experiment i) Gunn Oscillator ii) Gun power supply with amplifier iii) Large Horn Antenna iv) Electric field probe v) Stand rod 245 mm long, with thread M6 vi) Physics Microwave accessories vii) Multimeter LD analog 20 viii) Saddle base ix) BNC cable 2m x) Connecting leads, 19 A, 100cm, Black Pair xi) Set of microwaves absorbed xii) Physics Microwave accessories ii xiii) Steel tape measure, 2m xiv) Stand base, V shaped, small	01	
10	BH Curve Experiment B-H Curve tracer kit, CRO, Patch Cords, Trace paper magnetic Materials: Nail, Hack Saw Blade, Ferrite Rod, Steel rod	01	
11	Determination of ionization potential of mercury i) Experimental Setup of ionization potential of mercury	03	
	ii) DC Regulated Power Supply	03	
	iii) AC Power Supply (6.3AVC/1Amp)	03	
	iv) Two round meters for voltage & current measurement, connecting wires.	03	
12	To perform and study various logic gates(AND, OR, NANT, etc.) and verify their truth tables. i) 0-10 V power supply	05	
	ii) A one way key	05	
	iii) A rheostat	05	
	iv) A digital milliammeter	05	
	v) A digital voltmeter	05	
	vi) A 1 K resistor	05	
	vii) Different known wavelength LED's (Light-Emitting Diodes)	05	
13	Measurement of viscosity of liquid by Stoke's/Poiselli's method. i) Calender and barns app (constant flow app) for j by flow method on wooden base sup. Without thermometer	01	
	ii) Graduated cylinder 500ml china.	01	
	iii) Capillary tube Germany	01	
	iv) Stopwatch digital best quality Q&Q China	01	
	v) Travelling microscope heavy type with vertical 180mm and horizontal 220 mm scale with vernier operated by rack and pinion japan type pak superior.	02	
	vi) Thermometer	01	
14	Surface tension of water by capillary tube method. i) Capillary stand surface tension stand with screw operated table for glass jar superior	01	
	Petri dish 100 mm China	01	

Note: All the bidders are required to mention the details of their product being offered by them in the Technical proposal on firm's letter head duly signed & stamped by owner of firm or its authorized representative and also clearly mention the name & relevant major specifications of their offered product while quoting the financial bid as well. On firms letter head duly signed & stamped Mere reproduction of our tender documents will not serve the purpose and the bid may be liable to be rejected by the procuring agency in such cases.

Terms & Conditions

1. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from etc.**
3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
8. Key Person Contact No.0300-8682973

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

Earnest Money draft	(Yes/No)
Affidavit for non-black listing	(Yes/No)
Bid Validity	(Yes/No)
Signed terms & conditions	(Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF EQUIPMENT AND INSTRUMENTS FOR ANATOMY & HISTOLOGY TENDER-B FORM (FINANCIAL BID)

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challah No. & amount _____ 6.CDR No.& Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

Sr	Name of Items	Quantity	Rate per item inclusive
01	Stereo / Dissecting Microscope Binocular with double light, double objective	01	
02	Micropipette dispenser set (02-20 μ l, 20-200 μ l, 100-1000 μ l),	01	
03	Tub made up of stainless steel of 16 gauge with lid, flat bottom. Length 4 feet, width 2 feet & 6 inch, height 2 feet with rubber rim on top border edges, With wheel stand	01	
04	Rack (height 5 feet, length 3 feet, width 1 foot & 4 inch): Frame made up of 1.5 inch steel angles (with holes for shelf height adjustment) with 04 shelves of 16 gauge stainless steel	01	
05	Monopan Balance, d=0.01 g, Weighing Capacity 3000g, multiple standard units, backlit digital display,	01	
06	Slide Cabinet made up of steel with 05 drawers (1000 slides capacity)	01	
07	X-Ray Film viewer LED	01	
08	Water Distillation Apparatus, Borosilicate Glass, 4 liters per hour capacity, Metal / Quartz Heater	01	
09	Jet box / pet carrier, length 1.5 feet, height, 1 foot and width 1 foot.	01	
10	Dissection / postmortem set containing 1 stainless chopper, 1 autopsy knife curved, 1 skinning knife curved, 1 boning knife pointed, 1 sharpening steel 25 cm (stainless steel with plastic handle), 1 bone saw, 1 brain knife stainless, 1 bone scissors stainless, 2 surgical knife with blade, 1 nursing scissors, 1 straight scissors, 1 rochester pean straight, 1 tape measure 2 m, Complete kit in stainless steel box with removable tray	01	
11	Vertical refrigerator, double door (one side refrigerator 343 liter and one side freezer 217 liter), twin inverter, digital temperature control	01	
12	Haemocytometer set	02	
13	Centrifuge Machine. Speed up to 5000 rpm, rotor capacity 6x15ml/10ml/7ml/1.5-5mL, Run Time 30sec-99min, Display LCD	01	
14	Microwave oven, capacity 30 liter, digital display and control panel, power output 900 watt	01	
15	Micrometers (stage and eyepiece)	02	

Note: All the bidders are required to mention the details of their product being offered by them in the Technical proposal on firm's letter head duly signed & stamped by owner of firm or its authorized representative and also clearly mention the name & relevant major specifications of their offered product while quoting the financial bid as well. On firms letter head duly signed & stamped Mere reproduction of our tender documents will not serve the purpose and the bid may be liable to be rejected by the procuring agency in such cases.

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2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from etc.**
3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
8. Key Person Contact No.0000-0000000

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

Earnest Money draft (Yes/No)
Affidavit for non-black listing (Yes/No)
Bid Validity (Yes/No)
Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF PERMANENT EQUIPMENT FOR EIDEMIOLOGY & PUBLIC HEALTH TENDER-C FORM (FINANCIAL BID)

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challah No. & amount _____ 6. CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

Sr	Name of Items	Quantity	Rate per item inclusive
01	UV Trans Illuminator <ul style="list-style-type: none">• Visible light (60W)• Transmission wave length (302nm \pm 0.5%)• UV Intensity (ultraviolet intensity of 20μW/cm²)• Power supply 220 \pm 10%	01	
02	Inverted microscope <ul style="list-style-type: none">• Trinocular viewing head• Illumination (Halogen Lamp / LED)• Centering telescope• High point extra wide eyepiece	01	

Note: All the bidders are required to mention the details of their product being offered by them in the Technical proposal on firm's letter head duly signed & stamped by owner of firm or its authorized representative and also clearly mention the name & relevant major specifications of their offered product while quoting the financial bid as well. On firms letter head duly signed & stamped Mere reproduction of our tender documents will not serve the purpose and the bid may be liable to be rejected by the procuring agency in such cases.

Terms & Conditions

1. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from etc.**
3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
8. Key Person Contact No. 0000-0000000

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

Earnest Money draft (Yes/No)
Affidavit for non-black listing (Yes/No)
Bid Validity (Yes/No)
Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF ROUGHAGES & CONCENTRATES & SUPPLEMENTS FOR VETERINARY PARB PROJECT 656 TENDER-D FORM (FINANCIAL BID)

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challah No. & amount _____ 6. CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

Sr	Name of Items	Quantity required (estimated)	Rate per item inclusive
01	Roughages		
	Green fodders (Lush green) including: <ul style="list-style-type: none">• Berseem, Lucerne, Oat, Raya (December, May)• Jantar, Guara, Maize, Bajra (May to December)• Wheat Straw (Bhusa)• Silage	240 Maunds / Month	
	Concentrates	12 maunds / Month	
	• Wanda (16-18% CP)	10 Maunds / Month	
02	Or	25 Maunds / Month	
	• Maize Broken, Wheat Bran, Cotton Seed Cake, canola Meal (18, 29, 33, 18 pars)	25 maunds / Month	
03	Supplements		
	Mineral mixture (Imported quality)	02 Maunds / year	
	Gurh	10 Maunds / Year	
	DCP (Organic source)	06 Maunds / Year	
	Common salt (Solid and crushed)	10 Maunds / Year	

Note: All the bidders are required to mention the details of their product being offered by them in the Technical proposal on firm's letter head duly signed & stamped by owner of firm or its authorized representative and also clearly mention the name & relevant major specifications of their offered product while quoting the financial bid as well. On firms letter head duly signed & stamped Mere reproduction of our tender documents will not serve the purpose and the bid may be liable to be rejected by the procuring agency in such cases.

Terms & Conditions

1. The supplies have to be provided to Sheep Breeding Center Faculty of Veterinary and Animal Sciences Bj. Campus the Islamia University of Bahawalpur
2. Chopped fresh seasonal fodder in lush green condition will have to be supplied on daily basis.
3. All other ingredients will be purchased as and when needed in bulk keeping in view the storage facilities at the farm.\
4. Wheat straw fine quality should be that processed by wheat thrasher free from dust, mud and adulteration. Demand will be as per need preferably but not necessarily when new stock of wheat straw becomes available.
5. Silage prepared from chopped maize fodder with corn cobs at milky stage, free from fungus and rust with fresh appetizing aroma.
6. Concentrates (wanda) with 16-18% CP free from lumps and caking.
7. The feed ingredients like maize broken, wheat bran, cotton seed cake, canola meal should be free from fungus and moisture less than 14 percent. The ingredients quality could be checked using physical and chemical analysis techniques.
8. Supplements: Mineral mixture of good quality. DCP from organic source and common salt (Solid and crushed) will have to be supplied.
9. The bill for fodder will be paid after end of each month after receiving the desired amount of fodder at the farm. Payments for other items will be made as and when demand originated and supplied received.
10. All other rules as per PPRA updated guide lines for procurements will be applicable.
11. Key Person Contact No.0333-6589227

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

- | | |
|---------------------------------|----------|
| Earnest Money draft | (Yes/No) |
| Affidavit for non-black listing | (Yes/No) |
| Bid Validity | (Yes/No) |
| Signed terms & conditions | (Yes/No) |

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF CENTIFUGE MACHINE FOR HORTICULTURAL SCIENCES TENDER-E FORM (FINANCIAL BID)

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challah No. & amount _____ 6. CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

Sr	Name of Items	Quantity	Rate per item inclusive
01	High Speed Centrifuge Machine Digital microprocessor controlled with lid locking device, Effortless closing and opening of the lid. Viewing port in the lid, 10 complete running programs can be stored and recalled. Metal housing. Centrifuging chamber of stainless steel, Lid dropping protection, Lid locking and holding during rotor run, Emergency lid lock release, Motor overheating protecting, Chamber overeating protecting, Temp controllable – 20 to +40C, Imbalance switch-off, easily exchangeable rotors, Automatic rotor recognition. Max Speed: 16000rpm, Max RCF: 24000xg, Max capacity: 4 x 200ml, Timer: 1-99min or continuous, short cycle: impulse key for short cycle. Angle Rotor Capacity: 24 X 1.5/2ml, speed: 16000rpm, RCF: 24000xg. Angle Rotor Capacity: 6 X 50ml & 15ml flacon tubes, Speed: 9000 rpm, RCF:9500xg. Equal or better.	01	

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3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
8. Key Person Contact No.0000-0000000

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

Earnest Money draft (Yes/No)
Affidavit for non-black listing (Yes/No)
Bid Validity (Yes/No)
Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF CENTIFUGE MACHINE FOR HORTICULTURAL SCIENCES TENDER-F FORM (FINANCIAL BID)

4. Name of Firm: _____

5. Mailing Address: _____

6. Phone No: _____ 4. Fax No: _____

5. Tender Fee Challah No. & amount _____ 6.CDR No.& Amount _____

7. General Sale Tax No: _____ 8. Income Tax No. _____

9. Professional Tax No: _____

Sr	Name of Items	Specification	Quantity	Rate per item inclusive
01	Fluorescet System of Photosynq V2	Multispe Q V 2.0	01	
02	Chlorophyll measuring System of Photosynq V2	MultispeQ V 2.0	01	
03	Fruit Pressure Tester	53205N	01	
04	Portable Leaf Area Meter	YMJ-B (Precision= ±2%	01	
05	Portable digital refractometer	Portable digital refrctometer 0-53% Brix Manufactured by Atago from Japan	01	

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Terms & Conditions

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- Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
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- The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
- Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
- Key Person Contact No.0000-0000000

Signature: _____

Name: _____

Designation: _____

Date: _____

Attachments:

Earnest Money draft (Yes/No)

Affidavit for non-black listing (Yes/No)

Bid Validity (Yes/No)

Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF LABORATORY EQUIPMENT FOR VETERINARY COLLEGE TENDER-G FORM (FINANCIAL BID)

4. Name of Firm: _____

5. Mailing Address: _____

6. Phone No: _____ 4. Fax No: _____

5. Tender Fee Challah No. & amount _____ 6.CDR No.& Amount _____

7. General Sale Tax No: _____ 8. Income Tax No. _____

9. Professional Tax No: _____

Sr	Name of Items	Quantity	Rate per item inclusive
01	Pipetting Controller with stand for cell culture <ul style="list-style-type: none"> • Rechargeable battery (2) • Minimum battery capacity of 1000 mAh • Three membrane filters (two having 0.2 µm size). • Voltage 110-220 V • Battery discharge working time 5-10 hours when fully charge • Manual control • Accessories (nose pieces) 	01	
02	Biosafety Cabinet Class-ii Type A2 <ul style="list-style-type: none"> • Stainless steel • External size (W X D X H) 1500mm x 7500 x 2250 mm • Internal size (W x D X H) 1350mm x 600 mm x 660mm • Two HEPA/ULPA filters with 99.99% efficiency • Noise 55 – 65 dB • UV lamp 30 – 40 W (1) • LED lamp / florescent light 10 – 16 W (2) • Standard air flow system (30% air exhaust, 70% recirculation) • Lightening intensity 900-1,000 W • One power socket • LCD Display with alarms, UV lamp working time, humidity and air flow velocity and warning alarms • Accessories Extra UV lamp (2) LED lamp / florescent light (2) Base stand (1) Remote control and foot switch 	01	
03	Micropipette set <ul style="list-style-type: none"> • 1 µl (range 0.5 µl to 1 µl) • 10 µl (range 1 µl to 10 µl) • 100 µl (range 10 µl to 100 µl) • 200 µl (range 20 µl to 200 µl) • 1000 µl (range 1 µl to 1000 µl) • Single Channel • Manual 	01 Each	
04	Table top refrigerated centrifuge <ul style="list-style-type: none"> • Maximum Speed 15,000 rpm • RCF 21,000 g • Capacity 24 x 1.5 / 2 ml • Changeable rotor for 5 ml capacity • Temperature range (-8°C to + 40°C) • Time range (1 min to 99 min) • Digital display • Voltage (110 – 220) • Bio containment lid 		
05	Thermal Cycler <ul style="list-style-type: none"> • Conventional • Sample capacity (96 samples) • PCR volume range (0.1 µl to 100 µl) • Gradient technology • Well to well accuracy (maximum 0.25 °C to 0.5 °C) • Temperature range 4°C - 99°C) • LCE display • USB support 	01	

06	Autoclave <ul style="list-style-type: none"> • Instrument should meet typical autoclave requirement for safety • Type (vertical) • Capacity 50L • Material (stainless steel) • Temperature range 105°C to 135°C • Temperature stability ±1 • Thermostat sensor with alarm • Operation fully automatic • Pressure gauge • Pressure safety valve • Digital timer / digital temperature controller • Operation completion alarm • Working pressure 15 psi 	01	
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7. Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
8. Key Person Contact No.062-9255567

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

Earnest Money draft (Yes/No)
Affidavit for non-black listing (Yes/No)
Bid Validity (Yes/No)
Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF LABORATORY EQUIPMENT FOR VETERINARY COLLEGE TENDER-H FORM (FINANCIAL BID)

7. Name of Firm: _____

8. Mailing Address: _____

9. Phone No: _____ 4. Fax No: _____

5. Tender Fee Challah No. & amount _____ 6. CDR No. & Amount _____

7. General Sale Tax No: _____ 8. Income Tax No. _____

9. Professional Tax No: _____

Sr	Name of Items	Quantity	Rate per item inclusive
01	Compound Biological Trinocular Digital Microscope with Camera and Software (2.0MP), Touch Screen LCD and Infinite Optical System or Equivalent	01	
02	Stereo Microscope with Camera – OM124L 10x, 20x, 40x, Rechargeable LED Stereo Microscope Camera Package or Equivalent	01	
03	Bestscope BS-2025t Biological Microscope Trinocular Microscope with LED Light or Equivalent	01	
04	HUAZHI PTX-5102 Professional Precision Balance (5100g, 0.01g, Internal CAL or Equivalent	01	
05	SJCAM SJ5000 WIFI HD Action Camera (Black) Waterproof or Equivalent	01	

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2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from etc.**
3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Each page of tender documents should be signed and stamped by the bidder and attached with technical bid.
8. Key Person Contact No.062-9255597

Signature: _____

Name: _____

Designation: _____

Date: _____

Attachments:

Earnest Money draft (Yes/No)

Affidavit for non-black listing (Yes/No)

Bid Validity (Yes/No)

Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.

Technical Specification offered by the firm required letter head of the firm duly signed & stamped by Vender Of Tender A

32 Channels EEG Flex Gel Sensor Headset, Charger, Operating software/app (Life Time Subscription)
Heart rate variability Monitor Including the following: AIM device, Bluetooth Dongle, 8 Sensor Leads, PPG/HRV/SpO2, GSR, Temperature Sensor, Respiration Sensor, 30 ECG Electrodes, 2 Batteries, Charger, Carrying case
Regulated power supply 24 V and 10 Amp adjustable powder supply with digital meters
Function Generator 1 uHz to 20 MHz frequency range, With 20 MHz bandwidth, 14-bit resolution, and 250 MS/s sample rate
Photo State Machine Photo State Machine with builtin printer + scanner
Resonance frequency of an acceptor circuit A variable non inductive resistor, a variable capacitor, a variable inductor, a signal generator, an a.c. milliammeter and connecting wires
Resonance frequency of an rejecter circuit A variable non inductive resistor, a variable capacitor, a variable inductor, a signal generator, an a.c. milliammeter and connecting wires
Cathode rays Oscilloscope Bandwidth = 70MHz Channels = 2 Sample rate on each channel = 1.0 GS/s Record length = 2.5k points at all-time bases
Microwave Experiment <ul style="list-style-type: none"> xv) Gunn Oscillator xvi) Gun power supply with amplifier xvii) Large Horn Antenna xviii) Electric field probe xix) Stand rode 245 mm long, with thread M6 xx) Physics Microwave accessories xxi) Multimeter LDanalog 20 xxii) Saddle base xxiii) BNC cable 2m xxiv) Connecting leads, 19 A, 100cm, Black Pair xxv) Set of microwaves absorbed xxvi) Physics Microwave accessories ii xxvii) Steel tape measure, 2m xxviii) Stand base, V shaped, small
BH Curve Experiment B-H Curve tracer kit, CRO, Patch Cords, Trace paper magnetic Materials: Nail, Hack Saw Blade, Ferrite Rod, Steel rod
Determination of ionization potential of mercury <ul style="list-style-type: none"> v) Experimental Setup of inization pontial of mercury vi) DC Regulated Power Supply vii) AC Power Supply (6.3AVC/1Amp) viii) Two round meters for voltage & current measurement, connecting wires.
To perform and study various logic gates(AND, OR, NANT, etc.) and verify their truth tables. <ul style="list-style-type: none"> viii) 0-10 V power supply ix) A one way key x) A rheostat xi) A digital milliammeter xii) A digital voltmeter xiii) A 1 K resistor xiv) Different known wavelength LED's (Light-Emitting Diodes)
Measurement of viscosity of liquid by Stoke's/Poiselli's method. <ul style="list-style-type: none"> vii) Calender and barns app (constant flow app) for j by flow method on wooden base sup. Without thermometer viii) Graduated cylinder 500ml china. ix) Capillary tube Germany x) Stopwatch digital best quality Q&Q China xi) Travelling microscope heavy type with vertical 180mm and horizontal 220 mm scale with vernier operated by rack and pinion japan type pak superior. xii) Thermometer
Surface tension of water by capillary tube method. <ul style="list-style-type: none"> ii) Capillary stand surface tension stand with screw operated table for glass jar superior
Petri dish 100 mm China

Technical Specification offered by the firm required
letter head of the firm duly signed & stamped by
Vender Of Tender B

Stereo / Dissecting Microscope Binocular with double light, double objective
Micropipette dispenser set (02-20 μ l, 20-200 μ l, 100-1000 μ l),
Tub made up of stainless steel of 16 gauge with lid, flat bottom. Length 4 feet, width 2 feet & 6 inch, height 2 feet with rubber rim on top border edges, With wheel stand
Rack (height 5 feet, length 3 feet, width 1 foot & 4 inch): Frame made up of 1.5 inch steel angles (with holes for shelf height adjustment) with 04 shelves of 16 gauge stainless steel
Monopan Balance, d=0.01 g, Weighing Capacity 3000g, multiple standard units, backlit digital display,
Slide Cabinet made up of steel with 05 drawers (1000 slides capacity)
X-Ray Film viewer LED
Water Distillation Apparatus, Borosilicate Glass, 4 liters per hour capacity, Metal / Quartz Heater
Jet box / pet carrier, length 1.5 feet, height, 1 foot and width 1 foot.
Dissection / postmortem set containing 1 stainless chopper, 1 autopsy knife curved, 1 skinning knife curved, 1 boning knife pointed, 1 sharpening steel 25 cm (stainless steel with plastic handle), 1 bone saw, 1 brain knife stainless, 1 bone scissors stainless, 2 surgical knife with blade, 1 nursing scissors, 1 straight scissors, 1 rochester pean straight, 1 tape measure 2 m, Complete kit in stainless steel box with removable tray
Vertical refrigerator, double door (one side refrigerator 343 liter and one side freezer 217 liter), twin invertor, digital temperature control
Haemocytometer set
Centrifuge Machine. Speed up to 5000 rpm, rotor capacity 6x15ml/10mL/7mL/1.5-5mL, Run Time 30sec-99min, Display LCD
Microwave oven, capacity 30 liter, digital display and control panel, power output 900 watt
Micrometers (stage and eyepiece)

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UV Trans Illuminator

- Visible light (60W)
- Transmission wave length (302nm \pm 0.5%)
- UV Intensity (ultraviolet intensity of 20 μ W/cm²)
- Power supply 220 \pm 10%

Inverted microscope

- Trinocular viewing head
- Illumination (Halogen Lamp / LED)
- Centering telescope
- High point extra wide eyepiece

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Roughages
Green fodders (Lush green) including; <ul style="list-style-type: none">• Berseem, Lucerne, Oat, Raya (December, May)• Jantar, Guara, Maize, Bajra (May to December)
• Wheat Straw (Bhusa)
• Silage
Concentrates <ul style="list-style-type: none">• Wanda (16-18% CP)
Or
• Maize Broken, Wheat Bran, Cotton Seed Cake, canola Meal (18, 29, 33, 18 pars)
Supplements
Mineral mixture (Imported quality)
Gurh
DCP (Organic source)
Common salt (Solid and crushed)

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High Speed Centrifuge Machine

Digital microprocessor controlled with lid locking device, Effortless closing and opening of the lid. Viewing port in the lid, 10 complete running programs can be stored and recalled. Metal housing. Centrifuging chamber of stainless steel, Lid dropping protection, Lid locking and holding during rotor run, Emergency lid lock release, Motor overheating protecting, Chamber overreating protecting, Temp controllable – 20 to +40C, Imbalance switch-off, easily exchangeable rotors, Automatic rotor recognition. Max Speed: 16000rpm, Max RCF: 24000xg, Max capacity: 4 x 200ml, Timer: 1-99min or continuous, short cycle: impulse key for short cycle. Angle Rotor Capacity: 24 X 1.5/2ml, speed: 16000rpm, RCF: 24000xg. Angle Rotor Capacity: 6 X 50ml & 15ml flacon tubes, Speed: 9000 rpm, RCF:9500xg. Equal or better.

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Fluorescet System of Photosynq V2	Multispe Q V 2.0
ChlorophyII measuring System of Photosynq V2	MultispeQ V 2.0
Fruit Pressure Tester	53205N
Portable Leaf Area Meter	YMJ-B (Precision= <u>+2%</u>
Portable digital refractometer	Portable digital refrctometer 0-53% Brix Manufactured by Atago from Japan

Technical Specification offered by the firm required letter head of the firm duly signed & stamped by Vender Of Tender G

<p>Pipetting Controller with stand for cell culture</p> <ul style="list-style-type: none"> • Rechargeable battery (2) • Minimum battery capacity of 1000 mAh • Three membrane filters (two having 0.2 µm size). • Voltage 110-220 V • Battery discharge working time 5-10 hours when fully charge • Manual control • Accessories (nose pieces)
<p>Biosafety Cabinet Class-ii Type A2</p> <ul style="list-style-type: none"> • Stainless steel • External size (W X D X H) 1500mm x 7500 x 2250 mm • Internal size (W x D X H) 1350mm x 600 mm x 660mm • Two HEPA/ULPA filters with 99.99% efficiency • Noise 55 – 65 dB • UV lamp 30 – 40 W (1) • LED lamp / florescent light 10 – 16 W (2) • Standard air flow system (30% air exhaust, 70% recirculation) • Lightening intensity 900-1,000 W • One power socket • LCD Display with alarms, UV lamp working time, humidity and air flow velocity and warning alarms • Accessories Extra UV lamp (2) LED lamp / florescent light (2) Base stand (1) Remote control and foot switch
<p>Micropipette set</p> <ul style="list-style-type: none"> • 1 µl (range 0.5 µl to 1 µl) • 10 µl (range 1 µl to 10 µl) • 100 µl (range 10 µl to 100 µl) • 200 µl (range 20 µl to 200 µl) • 1000 µl (range 1 µl to 1000 µl) • Single Channel • Manual
<p>Table top refrigerated centrifuge</p> <ul style="list-style-type: none"> • Maximum Speed 15,000 rpm • RCF 21,000 g • Capacity 24 x 1.5 / 2 ml • Changeable rotor for 5 ml capacity • Temperature range (-8°C to + 40°C) • Time range (1 min to 99 min) • Digital display • Voltage (110 – 220) • Bio containment lid
<p>Thermal Cycler</p> <ul style="list-style-type: none"> • Conventional • Sample capacity (96 samples) • PCR volume range (0.1 µl to 100 µl) • Gradient technology • Well to well accuracy (maximum 0.25 °C to 0.5 °C) • Temperature range 4°C - 99°C) • LCE display • USB support
<p>Autoclave</p> <ul style="list-style-type: none"> • Instrument should meet typical autoclave requirement for safety • Type (vertical) • Capacity 50L • Material (stainless steel) • Temperature range 105°C to 135°C • Temperature stability ±1 • Thermostat sensor with alarm • Operation fully automatic • Pressure gauge • Pressure safety valve • Digital timer / digital temperature controller • Operation completion alarm • Working pressure 15 psi

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Compound Biological Trinocular Digital Microscope with Camera and Software (2.0MP), Touch Screen LCD and Infinite Optical System or Equivalent
Stereo Microscope with Camera – OM124L 10x, 20x, 40x, Rechargeable LED Stereo Microscope Camera Package or Equivalent
Bestscope BS-2025t Biological Microscope Trinocular Microscope with LED Light or Equivalent
HUAZHI PTX-5102 Professional Precision Balance (5100g, 0.01g, Internal CAL or Equivalent
SJCAM SJ5000 WIFI HD Action Camera (Black) Waterproof or Equivalent