






BABA GURU NANAK UNIVERSITY, NANKANA SAHIB


Bank Copy
 Baba Guru Nanak University, Nankana Sahib
 The Bank of Punjab
 Bank A/c No. 6510227249000019


Applicant Copy
 Baba Guru Nanak University, Nankana Sahib
 The Bank of Punjab
 Bank A/c No. 6510227249000019


University Copy
 Baba Guru Nanak University, Nankana Sahib
 The Bank of Punjab
 Bank A/c No. 6510227249000019

Date: _____	Date: _____	Date: _____
Applicant's Name	Applicant's Name	Applicant's Name
Father Name	Father Name	Father Name
Applicant's CNIC No.	Applicant's CNIC No.	Applicant's CNIC No.
Contact No.	Contact No.	Contact No.
Description	Description	Description
Amount	Amount	Amount
Tender Fee	Tender Fee	Tender Fee
Rs.1,000/-	Rs.1,000/-	Rs.1,000/-
Rupees (In words): One Thousand Only		
Banker Signature	Banker Signature	Banker Signature
Student Signature	Student Signature	Student Signature
Notes:		
1. Fee can be deposited in any branch of Bank of Punjab (BOP)		
2. It is mandatory to attach original system generated slip provided by the bank with bid documents, otherwise your bid may be rejected.		
3. Amount deposited is non-refundable		



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

TENDER DOCUMENT

FOR

PURCHASE OF LAB EQUIPMENT

Tender No. BGNU/Tender/2022-23/05



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

Tender Notice

Sealed tenders/ bids are invited from the firms registered with Sales Tax and Income Tax Departments. The procurement of following tenders will be made on the basis of Single Stage Two Envelope Bidding Procedure in terms of Rule No. 38 (2)a of the Punjab Procurement Rules 2014 (PPRA Rules 2014):

Tender#	Tender Name	Qty	Closing Time and Date	Opening Time and Date
BGNU/05	Purchase of Lab Equipment	Details in the Tender Document	18-01-2023 till 10:00 am	18-01-2023 at 10:30 am

- Tender Document will be immediately available after publishing of this Tender Notice (Rule No. 25(1). Tender / Bid Document can be obtained from the Purchase Section, University of Education, College Road Township, Lahore during office hours by depositing the tender fee **Rs. 1,000/-** on standard depositing slip of **BOP into Bank Account No. 6510227249000019** (Baba Guru Nanak University, Receipt Account). Tender Documents can also be downloaded from www.gnu.edu.pk. In that case the deposit receipt must be attached with the Technical Bid.
- The online generated receipt issued by BOP (Bank of Punjab) must also be provided.
- The Bid Security equal to 2% of estimated price in the form of "CDR., Bank Draft, Pay Order, Banker's Cheque" in favor of "**Treasurer, Baba Guru Nanak University, Nankana Sahib**" is required to be submitted with the Financial Bid, without which the offer shall be rejected being non-responsive.
- Bids without supporting documents, undertaking, valid documentary evidence, and bids not conforming to terms and conditions given in the Tender Document will be liable for rejection. No supporting document will be accepted, at all, after opening of the Bids. Bids received after due time and date shall be summarily rejected.

Secretary Purchase Committee

Baba Guru Nanak University, Nankana Sahib. (0300-1199358)



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

SECTION-I: INVITATION TO THE BID

- 1.1. Baba Guru Nanak University, Nankana Sahib invites sealed tenders from eligible candidates for **Purchase of Lab Equipment**.

SECTION-II: INSTRUCTIONS TO THE BIDDERS

- 1.1. Procurement will be made under Punjab Procurement Rules (PPRA) 2014.
- 1.2. It will be clearly understood that the Terms and Conditions mentioned in this document are intended to be strictly enforced.
- 1.3. Bidders must ensure that they submit all the required documents indicated in the Tender / Bid Documents at the time of opening of Technical Bids and no request for submission of missing documents will be entertained after opening of the Technical Bids.
- 1.4. Bidder can quote any item in the lot by submitting the relevant Bid Security.
- 1.5. Validity period of the bids shall be **90 days**
- 1.6. **Suppression of facts and misleading information**
 - 1.6.1. During the bid evaluation, if any suppression or misrepresentation of information is brought to the notice of the Purchase Committee, the Committee shall have the right to reject the Bid and if it happens so after selection of the Bidder, the Purchase Committee may terminate the Contract or award of the Contract or further processing of the Bid as the case may be and that will be without any compensation to the Bidder and the Bid Security/Performance Guarantee, as the case may be, shall be forfeited.
 - 1.6.2. All documents provided by the bidder may be verified by the Committee if found forged/malicious, the bid would be rejected
- 1.7. As per Rule No. 38(2)a, Single stage Two envelope procedure shall be followed.
- 1.8. **The Bidder must provide Documents in following Order:**
 - Specifications of quoted items on the Letter Head of the bidder



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

- The specified catalogues / brochures of items quoted by the bidder
- Technical Bid Form duly signed and Stamped by the Bidder
- Copy of Income Tax & Sales Tax Registration Certificate
- Copies of Authorization Certificates
- List of Trained Engineers
- Training Certificate of the Engineers
- Copies of Supply Orders of Previous Supply of Lab Equipment
- Professional Tax Certificate
- Affidavit/Undertaking on the Stamp Paper
- Tender Document duly signed and stamped each page by the bidder

2. BID SECURITY

2.1. Bidder will submit Bid Security drawn in the name of “**Treasurer Baba Guru Nanak University**” against each lot with details given below:

Lot#1 (Lab Equipment)

S#	Item Name	Qty	Amount of BS @ 2 % of Estimated Cost
1	Heating/Stirring Plate	4	4,000
2	Water distillation plant	2	6000
3	Advanced Binocular Microscope	2	6,000
4	Plant Growth Chamber	1	10,000
5	Microscope camera fitted (Binocular)	1	5,000
6	Micropipette	2	2,000
7	Apparatus for measurement of different wavelengths of light	1	19,300
8	Camera Fitted Microscope	1	15,000
09	Apparatus for Measurement of speed of light using rotating mirror method of 11	1	15,000
10	Apparatus for Determination of Dielectric Constant of liquid and solid	1	9,500
11	Multimeter	1	9,000
12	pH meter	1	2,000
13	To determine charge of an electron by Millikan’s oil drop method.	1	7,000



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S#	Item Name	Qty	Amount of BS @ 2 % of Estimated Cost
14	Determination of dielectric constant of liquid and solid.	2	6,000
15	Digital Analogue Trainer	2	6,000
16	Manual Hydraulic Pellet Press (Atlas Manual Press 25T)	1	6,000
17	To determine e/m of an electron using a fine beam tube.	1	5,000
18	To construct a single stage CE transistor voltage amplifier and study gain, input impedance and output impedance	3	3,480
19	Determine the Surface tension of water by capillary rise method	2	2,800
20	Determine the vertical distance between two points by Sextant	1	2,400
21	The Harmonic Oscillation of Helical springs-parallel and series connection of spring	2	2,000
22	Determining the modulus of rigidity of material of a wire using dynamic Maxwell needle method.	2	1,800
23	Gas Cylinders (Nitrogen, Argon)	1	1,600
24	Construct and study RS, JK, T, D Flip Flops by using IC's	3	1,320
25	Laminar air flow cabinet	1	16,000
26	Power supply with electrodes for gel apparatus	1	10,000
27	Horizontal Agarose gel apparatus	1	10,000
28	Oscilloscope	1	4,000
29	Compound Microscope	3	1,995
30	Spade with GPS/DGPS cable	2	10,000
31	Compact Hydraulic pellet Press,	1	10,000
32	Weighting balance	1	2,000
33	Heating plate with stirrer	1	1,500
34	Fuming Hood	2	8,000
35	Potentiostat with cell and electrodes	1	4,000



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S#	Item Name	Qty	Amount of BS @ 2 % of Estimated Cost
36	Ostwald viscometer	1	4,000
37	Stalagmomter	1	2,400
38	Chromatographic tank	1	400
39	Beckman's thermometer	1	400
40	Saturated calomel Electrode	1	320
41	Quinhydrone Electrode	1	500
42	Incubator	1	4000
43	Staining tray	1	100
44	needles	1	100
45	Permanent slides of Bacteria (cyanobacteria anabaena nostoc, oscilatoria) Algae(chlorophyta, chlamydomonas, volvox, spirogyra, chara, vacu cheria, pinnularia, ectocarpous, laminaria, rhodophyta,) Fungi(myxomycota, plasmodiophora, pythium, mucor, sachromyc es, penicillium, pucinia, lichens, physcia) Some plants of gymnosperms and angiosperms Some vascular plants Virus	1	1200
46	Digital Refractometer	1	1300
47	Ultrasonic Bath Sonicator	1	2200
48	Heating Oven	1	1600
49	Weighting balance (0.01 gm to 600 gm)	1	800
50	Calorimeter	20	200
51	Petriplates (Glass, Pyrex or equivalent, Small standard size)	200	400
52	Hand Gloves (disposable latex)	10 packs	600
53	Portable Fire Extinguisher	2	200
54	Autoclave 50 ml,	3	1200



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S#	Item Name	Qty	Amount of BS @ 2 % of Estimated Cost
55	Lab Coats (For Safety from chemicals)	5 pieces	100
56	Petri dishes	50	50
	Total		247,765

The Bid Security will be in form of CDR / Pay Order / Demand Draft/Banker' Cheque

3. QUALIFICATION/EVALUATION CRITERIA

The Bidder(s) should meet the following Eligibility/Qualification Criteria to participate in the Bid process and must enclose documentary proof, along with Technical Bid, for fulfilling the Criteria

Minimum Eligibility/Qualification Criteria	PASS	FAIL
Income Tax Registration		
Sales Tax Registration		
Conformance to the Specifications given in the Tender Document		
Copies of three Supply Orders of Lab Equipment received in the past		
The Bidder must have at least one Diploma Holder Technician		
Affidavit of Non Black Listing		

4. REJECTION AND ACCEPTANCE OF THE TENDER/BID

4.1. The Purchaser shall have the right, at his exclusive discretion, to increase / decrease the quantity of any or all item(s), under PPRA Rules 2014 without any change in unit prices or other terms and conditions, The Purchase Committee may rejected all tender(s), cancel / annul the Tendering process at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action, and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.

4.2. The Tender / bid shall be rejected if:

4.2.1. It is substantially non-responsive; or

4.2.2. The bidder does not meet any of the mandatory criteria mentioned in Eligibility/Evaluation Criteria



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- 4.2.3. The bid is incomplete, conditional, alternative, late; or
- 4.2.4. the bidder does not attach Bid Security in Shape of CDR/Pay Order/DD; or
- 4.2.5. the bid security is not attached or it is less than the required amount; or
- 4.2.6. the bidder does not attain the minimum marks in the evaluation criterial; or
- 4.2.7. the Bidder submits more than one Bids against one Tender; or
- 4.2.8. the Bidder engages in corrupt or fraudulent practices in competing for the Contract award; or
- 4.2.9. there is any discrepancy between bidding documents and bidder's proposal i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid; or
- 4.2.10. The Bidder submits any financial conditions as part of its bid which is not in conformity with tender document.

5. ANNOUNCEMENT OF EVALUATION REPORT

The Procuring Agency shall publish the Evaluation Report on the Website of PPRA at least 10 days before the award of the Contract

6. AWARD OF CONTRACT

The Tender will be awarded to the Lowest Evaluated Bidder(s) (item wise) who has been declared Technically Qualified based on the lowest cost.

7. LETTER OF ACCEPTANCE (LOA)

After acceptance of the Bids by the Purchase Committee, Letter of Acceptance (LOA) will be issued only to the Successful Bidder.

8. PAYMENT OF PERFORMANCE GUARANTEE (PG)

- 8.1. The Successful Bidder(s) will be required to remit the Performance Guarantee equivalent to **5% of the value of the contract price**. The PG should be paid by way of Cash Deposit Receipt (CDR) drawn in favor of "Treasurer Baba Guru Nanak University" as unconditional Guarantee.
- 8.2. The Performance Guarantee will be forfeited if the Successful Bidder withdraws the Bid during the period of Bid validity specified in the Bid Documents or if the Bidder(s) fails to sign the contract.



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9. SIGNING THE CONTRACT

- 9.1. The Purchase Committee shall issue sign a Contract with the Successful bidder who has submitted the Performance Guarantee.
- 9.2. The Successful Bidder will provide the stamp paper of .25% of total order value for issuance of Supply Order or Signing the Contract.

SECTION –III: GENERAL CONDITIONS OF CONTRACT

10. DELIVERY OF ITEMS

10.1. Delivery Period will be as given below:

Item Name	Delivery Period (No. of Days)
Lab Equipment	120 days after issuance of Letter of Acceptance

10.2. The supplier will bear all costs associated with the preparation, delivery and installation of the Items and the Purchaser will in no case be responsible or liable for those costs. The supplier will make such arrangements to ensure safe delivery of goods. Any damage sustained during transportation / delivery will be rectified by the supplier at his cost.

11. LIQUIDATED DAMAGES

When the supplier fails to deliver or install the goods or both within the time period specified in the contract, the Purchase Committee may, without prejudice to any other remedy it may have under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.1% of the price of the delayed goods per day of delay, maximum up to 10% of the price of total value of the contract.

12. INSPECTION OF ITEMS

- 12.1. Purchase committee will inspect the items at the site of the supplier or at UE Township Lahore before delivery of items to the Campuses.
- 12.2. The Inspection Committee of UE shall inspect the Goods supplied, the Services provided, under the Contract/Supply Order, to verify their conformity to the Technical Specifications.



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12.3. After the inspection or test if the Purchase Committee is of the opinion that items do not conform to the specification and the criteria mentioned above, the Inspection Committee may reject them, and the supplier shall either replace the rejected goods or make all alterations necessary to meet the requirements of the specifications free of cost to Baba Guru Nanak University.

13. RELEASE OF PERFORMANCE GUARANTEE (PG)

The Performance Guarantee will be refunded to the Successful Bidder(s) **after one-year of completion of delivery and installation of Goods.**

14. PAYMENT

100% payment will be made by Baba Guru Nanak University to the Successful Bidder after delivery and installation of goods and on receipt of the following documents:

- i. Bill
- ii. Delivery Challan
- iii. General Sales Tax Invoice
- iv. Inspection/Completion report
- v. Bill of Entry (if applicable)

15. WARRANTY

- Warranty of items shall be at least one year or as per given in the Schedule of Requirement
- In case of fault or malfunctioning of the items the supplier will be informed through SMS, WHATSAPP OR EMAIL. The Supplier will be responsible to remove the fault within 72 hours of launching Complaint.

16. SPECIFICATIONS, SCHEDULE OF REQUIREMENT AND PRICING

Please Quote your rate as per given format and sequence. Addition/deletion of rows/columns is not allowed.



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S#	Item Name	Qty	Brand / Model Quoted by the Bidder	Unit Rate with GST	Total Amount with GST
1	Heating/Stirring Plate Safety Control Stainless Steel, Magnetic Stirrer, Hotplate	4			
2	Water distillation plant Complete With Stand, Clamps Etc. Output Approx. 2.0 Lt/Hr.	2			
3	Advanced Binocular Microscope 20x 40x 100x Binocular Microscope 20x, 40x, and 100x Magnification 10x Widefield Eyepieces 2x and 4x Objective Lens 360 Degree Rotating Head Coarse Focusing Knobs Interpupillary Distance Between 55mm and 75mm	2			
4	Plant Growth Chamber	1			
5	Microscope camera fitted (Binocular)	1			
6	Micropipette	2			
7	Apparatus for Measurement of speed of light using rotating mirror method of 11 Measurement of Speed of Light using Rotating Mirror Method, In Mount Case and Convex Lense, F=50mm with Laser Transmitter Module, Split the beam through Splitter in two Direction. Laser receiver module Signal can be observed on DSO. To calculate the speed of Light Peak wavelength: 633 to 635nm, Modulation frequency: 1MHz,	1			
8	Camera Fitted Microscope Camera Fitted Microscope / Trinocular-Head Biological Microscope with Digital LCD Screen Camera 10 MP, Magnification 40X~1000X, Eyepieces WF 10X, Objectives 4X, 10X, 40X & 100X, Eyepieces Tube Binocular 45°, Inclined Tube Rotatable 360°, Illumination LED Light Source, Working on 220V	1			
9	Apparatus for Measurement of speed of light using rotating mirror method of 11 Measurement of Speed of Light using Rotating Mirror Method, In Mount Case and Convex Lense, F=50mm with Laser Transmitter Module, Split the beam through Splitter in two Direction. Laser receiver module Signal can be observed on DSO. To calculate the speed of Light Peak wavelength: 633 to 635nm, Modulation frequency: 1MHz,				



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S#	Item Name	Qty	Brand / Model Quoted by the Bidder	Unit Rate with GST	Total Amount with GST
10	<p>Apparatus for Determination of Dielectric Constant of liquid and solid</p> <p>Digital Inductance-Capacitance-Resistance (LCR) Meter with wide frequency rate 50 Hz-200 KHZ with all connecting leads/cables, Source Resistances: 30 ohm, 50 ohms, 100 ohms & more, With test clip and patch clamp; High Speed and six-digit display, Data acquisition software, Signal Source: at least 0.01V2.00V (10mV Step), Power Supply: Voltage: 90V AC - 250V, AC Frequency: 50Hz - 60Hz Power: Max 20VA</p>	1			
11	<p>Multimeter</p> <p>Multimeter Handheld type for pH, Conductivity, Salinity & Temperature with a single probe. Built-in storage chamber protects the probe when not in use. Bright backlit display for easy read. 50 reading memory capacity. Conductivity Range: 0-499.9uS/cm, 0-4999 uS/cm, 0-49.99 mS/cm, 0-200.0 mS/c. pH Range: 0-14 pH.</p> <p>Salinity Range: 0-80 ppt</p> <p>Temperature Range: -5' to 75'C. YSI</p>	1			
12	<p>PH meter</p> <p>Range : pH -2.00 to 16.00, Temp -20.0 to 120.0 oC (-4.0 to 248.0oF), Accuracy : pH +0.01, Battery Type / Life : 4 x 1.5V AA Batteries / approx. . 300 Hours of continuous use.</p>	1			
13	<p>To determine charge of an electron by Millikan's oil drop method.</p> <p>CCD Millikan Oil Drop Apparatus 2. High voltage power supply (0-500VDC) 3. Digital multimeter 4. 4 banana leads 5. Stopwatch 6. Micrometer 7. Barometer USA</p>	1			
14	<p>Determination of dielectric constant of liquid and solid.</p> <p>Set of parallel Brass plate capacitors Consist of :- RF Generator 10MHz+Microammrter+ Potentiometer+ Capacitor Metal+ Variable Gang Capacitor Potentiometer+ Capacitor Metal+ Variable Gang Capacitor</p>	2			
15	<p>Digital Analogue Trainer</p> <p>Self-contained development tool for all types electronic circuits located all around the 2290 tie points breadboard</p> <p>Specifications:-</p> <p>DC power supply (Short circuit protection)+15V/1A, -5V/0.1A +/- 1.25V to +/-18V/0.3A</p> <p>Function Generator. 1Hz to 100KHz</p> <p>Bread board 2290 tie points</p> <p>3-state Logic probe with 7 segment display</p> <p>2 single shot pulse generator 80- micro sec</p>	2			



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	<p>8-bit LED indicator with biffer 3 ½-digit digital voltmeter Analogue current meter Eight data switches +5v/0V Two logic switches +5V/0V/-5V Two flip-flop gate with mimic diagram Loud speaker 8 ohms 0.25W Two 25-pin D-Sub connector Taiwan complete sets</p>				
16	<p>Manual Hydraulic Pellet Press (Atlas Manual Press 25T) Complete Press</p>	1			
17	<p>To determine e/m of an electron using a fine beam tube Hydrogen Tube diameter: - 180mm, Read Out Scale Helmholtz coil diameter: - 280mm Acceleration Electrode Voltage: Continuously Voltage Range:50<<250V Built in High Tension and Low Tension Power supplies. Complete Apparatus USA</p>	1			
18	<p>To construct a single stage CE transistor voltage amplifier and study gain, input impedance and output impedance Bread Board, CE Transistors, Diodes, Resistors of different values, Connecting wires complete sets</p>	3			
19	<p>Determine the Surface tension of water by capillary rise method Capillary tubes of uniform bore and different diameter, glass strip, thin rubber tube band, sharp pointed thin needle, glass trough, clamping stand, travelling microscope, thermometer, adjustable stand. China/Local</p>	2			
20	<p>Determine the vertical distance between two points by Sextant Sextant, Measuring Tape Meter Rod Sextant Equipment Star Telescope : 4*40mm Galilean monacle Radius : 162 mm Graduation : -5 – 125 into 1 on the arc UK Complete Set</p>	1			
21	<p>The Harmonic Oscillation of Helical springs-parallel and series connection of spring Stand, meter rod, digital spring balance, combination of springs (series and parallel) Local</p>	2			
22	<p>Determining the modulus of rigidity of material of a wire using dynamic Maxwell needle method. Stand, Maxwell needle, Hollow and solid cylinders, Stop watch, Telescope Complete apparatus with all standard accessories China Complete Set</p>	2			
23	<p>Gas Cylinders (Nitrogen, Argon) 5 feet Cylinder must meet with Europeon Quality Purity 99,99 Analysis Certificate must be attached otherwise your bid will be rejected</p>	1			



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	With 2 Stage Regulator with pipe fittings				
24	Construct and study RS, JK, T, D Flip Flops by using IC's Bread Board, ICs(7400, 7402, 7404, 7408), Power Supply (0-12V), Connecting wires complete sets	3			
25	Laminar air flow cabinet cabinet and work surface are welded stainless steel with a pharmaceutical grade finish. High capacity motor/blower system with speed control to extend the life of the HEPA filter . Top mounted pre-filters HEPA filter is full width and height (36"), ensuring unidirectional airflow and is easily changed from both sides. Top mounted fluorescent lighting is isolated from the clean environment. Separate lighted power ON/OFF indicator switches for blower and lighting. Electrical is 115 Volt, 60 Hz (220/50-60 Hz also available). Ten foot power cord with molded grounded plug. Overall dimension: 49" wide • 34" deep • 49 1/2" high Work area dimension: 46" wide • 22" deep • 34" high Brands of EU, UK, USA, Japan origin will be preferred	1			
26	Power supply with electrodes for gel apparatus -Volts : 10-300 V -Current : 4-400Ma -Output voltage range/increments (V) 2-300 -Output current range/increments (mA) 4-500/1 -Output power range/increments (W) 90 max./n/a -Operating constant modes Current, voltage Current, voltage, power -Timer 1 to 999 min or continuous 1 min to 99 h, 59 min or continuous -Dimensions (W x D x H) (cm) 19 x 25 x 8 -Weight (kg) 2 -Input voltage (V) 230 -Fitted with electrodes to attach to gel apparatus	1			



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27	<p>Horizontal Agarose gel apparatus</p> <ul style="list-style-type: none"> -Leak-free casting without tape, grease, seals -7 x 10cm gel tray with two comb positions -Gel size: 7 x 10cm; -Buffer volume: 400mL -Buffer chamber -Safety lid with attached power supply leads -UV-transparent gel tray -Nonskid rubber feet -Three-point leveling system -Two 1.5mm thick combs (six- and 10-well) -Dimensions (L x W x H) Exterior 6.25 x 3.75 x 3.12 in. (16 x 9.5 x 8cm) -Can Run up to 16 samples on one gel with combs supplied -Can run up to 24 samples on a gel with accessory combs 	1			
28	<p>Oscilloscope</p> <p>Isolated Channels 4 Sampling / Channel 2.0 G samples/s minimum Bandwidth 200 MHz or more Isolation Float Voltage 600 Vrms Min (reference to earth) CAT-II Isolation Float Voltage 1200 Vrms Min (channel reference to channel reference) CAT-II Maximum Input Voltage 300 Vrms (tip to reference of standard passive probes), 1000 Vrms (tip to reference of high voltage passive probe) CAT-II Vertical Resolution At Least 8 Bits Record Length 2500 points DC Gain Accuracy $\pm 3\%$ Horizontal Accuracy ± 50 ppm Linear dynamic range $\pm 5V$ Sensitivity 2 mV to 200 mV per div. $\pm 2V$; $>200mV$ to $5V/div.$ $\pm 50V$ Time/Division Range 2.5 ns to 50s/division Horizontal Zoom Trigger Trigger modes Auto, Normal, Single shot Source All four channels and External Edge (rising,</p>				



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	falling) level, pos/neg slope on any channel				
29	Compound Microscope Binocular(XSZ107BN) or Equivalent	3			
30	Spade with GPS/DGPS cable	2			
31	Compact Hydraulic pellet Press, 15T with 5mm, 8mm and 10 mm diameter dies	1			
32	Weighting balance	1			
33	Heating plate with stirrer Ceramic coated, with digital temperature controller, Max temp. 400° C	1			
34	Fuming Hood 3X3X2 feet, Motor blower, Illumination, Gas inlet nozzle, Water basin and tap, Power socket, ducting, Less noise blower	2			
35	Potentiostat with cell and electrodes Potential range: 7.5 V plus minus, Maximum current : 200 mA plus minus, Applied potential accuracy 10 mV offset, Applied potential resolution 333 micro V, Current measurement resolution: 5 nA, Communication: USB-B, Electrodes: platinum wire counter electrode, platinum disk working electrode, non-aqueous Ag/Ag+ reference electrode,, Software : control and precise measurement software	1			
36	Viscometer Rotor: 1-4 , Measurement error: 1% , Timing function, Power electronic Viscosity accuracy : 0.01mPa.s, Temperature measurement, Measuring range: 1-200000 mPa.s				
37	Stalagmomter	1			
38	Chromatographic tank	1			
39	Beckman's thermometer	1			
40	Saturated calomel Electrode	1			
41	Quinhydrone Electrode	1			
42	Incubator	1			
43	Staining tray	1			



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

44	needles	1			
45	Permanent slides of Bacteria (cyanobacteria anabaena nostoc, oscillatoria) Algae(chlorophyta,chalmydomonas,volvox,spirogyra,chara,vacu- cucheria,pinnularia,ectocarpous,laminaria,rhodophyta,) Fungi(myxomycota,plasmodiophora,pythium,mucor,sachrom- yces,penicillium,pucinia,lichens,physcia) Some plants of gymnosperms and angiosperms Some vascular plants Virus	1			
46	Digital Refractometer Refractive index nD: 1.3000-1.7000 Dissolved Solids Brix: 0-95% Accuracy: Refractive index nD: $\leq \pm 0.0002$ Dissolved Solids Brix: $\leq \pm 0.1\%$ Temperature Range (Min. 0.1°C) : 0-50°C	1			
47	Ultrasonic Bath Sonicator UltraSonic Water Bath, Capacity 2.7 Ltr, Temperature Range 80C Control able, Timer 0-30 Min, 230 Wat	1			
48	Heating Oven 50Liter capacity, with digital display system	1			
49	Weighting balance(0.01gm to 600gm)	1			
50	Calorimeter Copper inner vessel, 3.0H × 2.0 in. dia. (75 × 50mm), carried on cork supports Copper outer vessel, 3.9H × 3.0 in. dia. (100 × 75mm) One lid for outer vessel with central tubule for thermometer and slit for	20			
51	Petriplates (Glass, Pyrex or equivalent, Small standard size)	200			
52	Hand Gloves (disposable latex)	10 pack s			
53	Portable Fire Extinguisher	2			
54	Autoclave 50 ml,	3			
56	Lab Coats (For Safety from chemicals)	5 piec es			
57	Petri dishes	50			



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

Annexure- A Check List

The bidder must attach this list along with the Bid

Envelope A: Enclosures of Technical Proposal		Attached YES/NO	Page#
1	Check List		
2	Specifications of quoted items on the Letter Head of the bidder		
3	Technical Bid Form duly signed and Stamped by the Bidder		
4	Copy of Income Tax Registration Certificate		
5	Copy of Sales Tax Registration Certificate		
6	Affidavit/Undertaking on the Stamp Paper		
7	Authorization Certificate from the Manufacturer of quoted brand Lot 1 only		
8	Copies of Supply Orders of Lab Equipment		
9	The specified catalogues / brochures of items quoted by the bidder		
10	Detail of Workshop		
11	Letter regarding the maintenance of quoted brand (Lot#1)		
Note: All the above documents and any other supporting document must be numbered and page number must be mentioned in the column specified for the purpose.			
Total Number of pages attached with the Technical Bid		_____ Pages	
10	Tender Document duly signed and stamped each page by the bidder must be attached at the end of the Technical Bid but numbering is not required for this document.		
11	Price Schedule Form duly filled, signed and stamped by the bidder		
12	Bid Security in shape of CDR		



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

Annexure- B

BID FORM

Technical Bid Form

S#	Particulars	Bidder's Response
	Information about the Bidder	
	Name of the Company	
	Year of Incorporation/Registration	
	GST Registration Number	
	Address	
	Office Telephone Number	
	Email Address of the Company	
	Name of Contact Person	
	Mobile No. of Contact Person	
	Email Address of Contact Person	
	Model/Brand Offered by the Bidder	
	No. of Branches in Pakistan	



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

Annexure- C AFFIDAVIT/BIDDER'S UNDERTAKING ON THE STAMP PAPER

Ref: **Tender No. UE/Tender/2022-23 /23 Published on PPRA**

I hereby affirm that:

1. We have examined the Tender/Bid Document and we undertake to meet the requirements regarding supply of Items, warranty and services as required and are prescribed in the Tender Document.
2. It is certified that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with.
3. After going through provisions of Tender/Bid Document, we confirm that these are acceptable to us. We further declare that additional conditions, variations, deviations, if any, found in our response shall not be given effect to.
4. We agree to unconditionally accept all the terms and conditions set out in the Tender/Bid Document
5. We undertake, if our Bid is accepted, to supply the items within the delivery period mentioned in the Tender Document.
6. We understand that no document regarding evaluation criteria will be accepted after opening of the Technical Bids and we are bound to provide all the documentary proofs regarding evaluation criteria or any other supporting document at the time of opening of Technical Bids.
7. We also declare that our Company/Organization is not blacklisted by any of the Departments/ Institutions/Autonomous Bodies/Federal of Provincial Government in Pakistan.
8. We undertake to provide the service and replacement of parts to keep the items in working condition during the warranty period.

[Name and Signatures of authorized Person along with stamp]



BABA GURU NANAK UNIVERSITY, NANKANA SAHIB

Annexure- D Contract Agreement Form

THIS AGREEMENT made the [day] day of [month] [year] between [Baba Guru Nanak University] (hereinafter called "the University") of the one part and [name and address of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the University invited Tenders for certain goods and related services, viz, [brief description of goods and related services] and has accepted a Tender by the Supplier for the supply of those goods and related services in the sum of Rs. [Contract Price in figures and in words] (hereinafter called "the Contract Price").

NOW THEREFORE the parties hereby agree as follow:

- 1- The following documents attached shall be deemed to form and integral part of this Contract:
 - i- Letter of Acceptance
 - ii- Performance Guarantee equal to **05%** of Contract Price in shape of CDR or Bank Guarantee.
- 2- The Terms and Conditions of Supply Order/Contract given in the Tender/Bid Document will be applicable.
- 3- The mutual rights and obligations of the University and the Supplier will be preserved in light the of Terms and Conditions mentioned in the Tender /Bid Document.

IN WITNESS whereof the parties have caused this Contract to be executed in accordance with the laws of Pakistan on the day, month and year written above.

For Baba Guru Nanak University:

For the Supplier:

Signature

Print Name

Title