

REQUEST FOR QUOTATION

Country: Pakistan

**Title: Procurement of Science Lab Equipment for GBHS Taj
Muhammad Lehri, District Naseerabad**

Credit No. 7333-PK

Project ID: P180323

JULY 2025

Project Component: Community Infrastructure Rehabilitation

**INTEGRATED FLOOD RESILIENCE AND
ADAPTATION PROJECT**

(IFRAP)

Invitation for Quotation

Section I

Request for Quotation

Reference No: PK-PIU-IFRAP-CIR-455804-GO-RFQ

Title: Procurement of Science Lab Equipment for GBHS Taj Muhammad Lehri District Naseerabad

Vendor Name:_____

Address:_____

SUBJECT: Request for Quotation for Procurement of Science Lab Equipment for GBHS Taj Muhammad Lehri District Naseerabad

1. The Islamic Republic of Pakistan has secured financing from the World Bank for the Integrated Flood Resilience and Adaptation Project (IFRAP). The project aims to enhance flood risk protection, improve livelihoods, and provide essential services in communities affected by the 2022 floods. The project includes five components, covering infrastructure rehabilitation, strengthening hydromet and climate services, resilient housing reconstruction, livelihood support, watershed management, project management, and a contingent emergency response. The selected districts in Balochistan will benefit from the project, which focuses on creating employment opportunities and sustaining local enterprises.
2. Project Director PIU – IFRAP (Component-I) now invites quotations from suppliers for the supply of **Science Lab Equipment for GBHS Taj Muhammad Lehri District Naseerabad** as per the required specifications/requirements mentioned in Section III. You must quote for all the items under each item of this Invitation.
3. Procurement will be conducted through national competitive procurement using a Request for Quotations (RFQ) as specified in the World Bank's Procurement Regulations for IPF Borrowers (Procurement in Investment Project Financing, Goods, Works, Non-Consulting and Consulting Services - Fourth Edition, November 2020, and is open to all interested dealers/suppliers as defined in the Procurement Regulations. The evaluation and award of the contract will be on the basis of Price quotations and will be evaluated for all the requirements together, and the contract will be awarded to the firm offering the lowest evaluated total cost.
4. Your quotation(s) must be marked "**Procurement of Science Lab Equipment for GBHS Taj Muhammad Lehri District Naseerabad**" and addressed to: **Project Director PIU-IFRAP (Component-I), House No. 10-A, Service Road, opposite FIA Office, Samungli road, Jinnah Town, Quetta.**
5. Quotations shall be in the prescribed format.
6. The deadline for receipt of your quotation(s) by the Purchaser at the address indicated in Paragraph 4 is **before 10.30:00 AM dated 18th July, 2025.**
7. Taxes will be deducted as per Government of Pakistan rules.

8. Offeror are required to give their best and final prices as no negotiation is expected.
9. Offers determined to be substantially responsive to the technical specifications will be evaluated by comparison of their prices, in addition to the eligibility and qualification requirements.
10. The prices should be quoted in Pak Rupees and should be inclusive of all charges and admissible taxes
11. The Purchaser reserves the right to increase or decrease quantities of supplies by 15%.
12. Your quotation(s) should be valid for 30 days from the date for receipt of quotation(s) indicated in Paragraph 6 above.

Section II

Instructions for Preparing Quotations

1. Scope of Procurement:

PIU invites price quotations for the procurement of Goods as described in the technical specifications attached. The successful supplier will be expected to complete the delivery of goods within the schedule provided in the schedule of requirements.

2. Eligibility to Quote: Suppliers duly registered with tax authorities may be eligible to participate only if they also:

- a) Submit Proof of registration with the Tax Department with the quotation. (Failure to enclose these documents would result in rejection of the quotation).
- b) Submit only one Quotation, either individually or as a partner in a joint venture. All Quotations submitted in violation of this rule shall be rejected. Partners in a joint venture shall be jointly and severally liable for the execution of the Contract.
- c) Submit the Quotes within the Due Date and Time. Bidders will be considered ineligible if quotations are not submitted within the due date and time

3. Qualification of the Supplier: To qualify for the award of Contract, a Supplier shall meet the following minimum qualifying criteria and submit the following documents:

- a. A Supplier must have at least three years of experience in supplying and providing after-sales services of similar goods.
- b. The bidder must have completed at least three similar contracts under public sector in last one year.
- c. Valid ISO certification under similar business.

4. Site Visit: If installation is also the defined responsibility of the supplier, in that case supplier, at their own responsibility, cost, and risk, is encouraged to visit and examine the Site of the Supplies and obtain all information that may be necessary for preparing the quotation and entering into a Contract.

5. Contents of Proposal Documents: The set of proposal documents comprises the documents listed below:

Section I	Invitation to Quote
Section II	Instruction for Preparing Quotations
Section III	Specifications
Section IV	Form of Quotation
Section V	Form of Contract
Section VI	Conditions of Contract Section

6. Documents Comprising the Proposal: The Proposal submitted by the Supplier shall comprise the following documents:

- (i) Form of Quotation (as per sample attached)
- (ii) Qualification and Experience Information

(iii) Copies of taxation and other required documents as per RFQ

7. **Price Quotation:** The Contract shall be for the whole supply and shall be based on the unit and total price for a fixed unit rate. Prices shall be quoted entirely in Pak Rupees. The Supplier shall fill in the rates and prices for all items of the Supplies described in the specifications. All duties, taxes, and other levies payable by the Supplier under the Contract shall be included in the rates, prices, and total price Quotation submitted by the Supplier. The rates and prices quoted by the Supplier shall be fixed for the duration of the Contract and shall not be subject to any adjustment on any account.
8. **Validity of Quotations.** The price quotation shall remain valid for thirty (30) calendar days counted from the closing date of submission of the Quotation specified in Clause 6 of the Invitation to Quote. The Purchaser may request the Suppliers to extend the period of validity for a specified additional period. The Purchaser's request and the Suppliers' responses shall be made in writing or by fax or by email. A Supplier may refuse the request for extension of Quotation validity in which case he may withdraw his Quotation without any penalty. A Supplier agreeing to the request will not be required or permitted to otherwise modify its Quotation.
9. **Language of the Quotation:** All documents relating to the Quotation and Contract shall be in the English language.
10. **Place and Deadline for Submission of Price Quotations:** The Price Quotations shall be delivered to the Purchaser as per the deadline specified in Paragraph 6 of the Invitation to Quote. Any Quotation (Price Quotation) received by the Purchaser after the deadline of submission will be rejected.
11. **Modification and Withdrawal of Quotations:** No Quotation shall be modified after the deadline for submission of Quotations specified above in Paragraph 6 of the Invitation to Quote. Withdrawal of a Quotation between the deadline for submission of Quotations and the expiration of the validity of the Quotation as specified in Clause 12 above will result in the Supplier being excluded from the list of Suppliers for two years.
12. **Process to be Confidential:** Information relating to the examination, clarification, evaluation, and comparison of quotations and recommendation for the Contract award shall not be disclosed until the award to the successful Supplier has been announced.
13. **Evaluation and Comparison of Quotations:** The Purchaser will award the Contract to the Supplier whose Quotation has been determined to be substantially responsive to the proposal documents and who has offered the lowest evaluated price quotation. In evaluating the quotations, the Purchaser will determine for each proposal the evaluated price quotation by adjusting the price quotation by making any corrections for any arithmetic errors as follows:

(a) Where there is a discrepancy between amounts in figures and in words, the amount in words will govern;

(b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern;

-(c) If a Supplier refuses to accept the correction, their Quotation will be rejected.

14. Purchaser's Right to Accept Any Quotation and to Reject any or all Quotations:

The Purchaser reserves the right to accept or reject any quotation, and to cancel the process of competition and reject any or all quotations, at any time before the award of the Contract, without thereby incurring any liability to the affected Supplier(s).

15. Purchaser's Right to Increase or Decrease Quantities: The Purchaser reserves the right to increase or decrease quantities of supplies.

16. Notification of Award and Signing of Contract: The Results of the evaluation will be known in a reasonable time. Suppliers are instructed not to approach the Purchaser after the opening of quotations until the finalization of the award. The Supplier whose Quotation has been accepted will be notified of the award by the Purchaser before the expiration of the validity period of the Quotation, by registered letter.

17. Interpretation: The purchaser is not responsible for any wrong interpretation of any clause of this document.

Procurement Specialist

Integrated Flood Resilience and Adaptation Project (Component I),

H. No. 10-A, Service Road, opposite FIA Office, Samungli road, Jinnah Town,
Quetta, Balochistan.

Tel: +92 81 4163799

Email: procurement.specialist.c1@gmail.com

Website: <https://ifrappius.org.pk/>

Section III Specifications

1. **Scope of the Services:** The Offeror will be required to supply the required items as mentioned in the Technical Specifications
2. **Technical Proposal:** This part of the proposal should contain complete information relating to technical specifications as mentioned below.
3. **Project Completion Timeline:** It is assumed that the time provided to the Offeror Supplier will be as per the schedule for the requirement from the date of signing the contract/Purchase Order with the successful Offeror.
4. **Payment Terms:** Payment shall be made in the Pakistani Currency (Rupees) of the Quotation in the following manner and will be subject to the Government Taxes as applicable and set by the Government.
5. **Terms & Conditions:**

Below are some terms & conditions, PIU may add some conditions if deemed appropriate at the time of signing of Contract

- (a) Any Deviation from the specification mentioned in the RFQ shall be deemed as a violation of this document and may result in cancellation of the Purchase Order, even if the product required has been delivered.
- (b) No Claim or Escalation on any account shall be admissible under this Purchase Order.
- (c) Payment will be made on satisfactory delivery of supplies (complete in all respects) in PKR through Cross Cheque on Company/Firm Name, within 20 days against submission of Invoice.
- (d) Income Tax and GST shall be deducted from the invoice at the time of payment at source.
- (e) In case the supplies are delayed, PIU-IFRAP (Component-I) will impose fine (Liquidated damages) of @ 0.5%/Day of the total contract price for each day of delay / late completion of work, and if the fine reaches 10% of the total contract amount, the contract will be cancelled, and the firm may not be allowed to participate in future RFQ.
- (f) The bidder shall warrant PIU that the Goods supplied by the offeror under the award are brand new, as per approved specifications.

SCHEDULE OF REQUIREMENTS

The delivery schedule expressed as Days/Weeks/Months stipulates a delivery date, which is the date of delivery required

S #	Description	Required Delivery Schedule from the Date of Notification of Award	Delivery Locations
01	Procurement of Science Lab Equipment for GBHS Taj Muhammad Lehri, District Naseerabad	15 Days after Contract Signing	GBHS Taj Muhammad Lehri, District Naseerabad

Technical Specifications

S. No	Item Names with Specifications	Unit	Quantity
1	2,4-Dinitrophenyl Hydrazine Product Number: D199303 CAS Number: 119-26-6 MDL: MFCD00007578 Formula: C ₆ H ₆ N ₄ O ₄ Formula Weight: 198.14 g/mol BRANDED	100g	1
2	Acetic Acid Product Number 27225-M CAS Number 64-19-7 Molecular Weight 60.05 Melting Point: 17c Boiling Point: 116-118c pH Value: 2.5 BRANDED	2.5 Ltr	1
3	Alarm System 1x5V To 12V Buzzer Beep Alarm in Pakistan	Nos	2
4	Alcohol Product Number: 493538 CAS Number: 64-17-5 MDL: MFCD00003568 Formula: C ₂ H ₆ O Formula Weight: 46.07 g/mol Melting Point: 114.5c Boiling Point: 78.3c pH Value: 7 BRANDED	2.5 Ltr	1
5	Aluminum Foil Aluminum roll, Thickness 0,006 – 0,020mm length 28cm	Roll	4
6	Ammeter Double Range 0-3A/0.6A Bench Type Packed in Foam China or Equivalent	Nos	5
7	Ammonium Chloride Product Number 11209 CAS Number 12125-02-9 Molecular Weight 53.49 Melting Point: 335c pH Value: 4.5-5.5 BRANDED	Kg	3

8	Ammonium Nitrate Product Number: 256064 CAS Number: 6484-52-2 MDL: MFCD00011425 Formula: H ₄ N ₂ O ₃ Formula Weight: 80.04 g/mol Melting point: 169c, Boiling point: 302c pH Value: 5.0-5.5 BRANDED	Kg	3
9	AND Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the AND GATE logic conditions.	Nos	4
10	Angle Iron 2m Long With Steel Ball Local	Nos	10
11	Animal and Plant Cell Chart on Penaflex 4 Color Printed of 430gm Media Pena flex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
12	Anti-Sera Set of three Bottles A,B,D 10ml Each Bottle for determine the blood group of human	Set	2
13	Aquarium Size 1.5ft x1.5ft With Cover and wooden stand	Nos	5
14	Aquarium Net Made of Nylon Length of Rod Half Meter.	Nos	10
15	Ascorbic Acid Prepared Solutions BRANDED	2.5 Ltr	3
16	Aspirator Bottle 2500ml Glass Aspirator Bottle 2.5L Laboratory Reagent Flask With Bottom Stopcock with Glass Faucet Heavy Glass	Nos	4
17	Atwood's Machine Complete Set with Weights	Nos	8

18	Bacteria Slides Carolina USA or Equivalent	Nos	5
19	Bar Magnet Magnetic bar marked south and north pole red & blue color size 100mm	Nos	15
20	Barium Chloride or Any Salt of Barium M=244.28 g/mol, Melting point: 963c, Boiling point: 1560c. Cas No: 10326-27-9 BRANDED	Kg	3
21	Battery Cells With Two Electrodes 1.5 Volt Toshiba Japan or equivalent, plastic case with 2 cell	Nos	20
22	Beaker 1000ml Low form with spout made of borosilicate glass. Graduated. 1000ml. Pyrex-Japan or Equivalent		30
23	Beaker 100ml Low form with spout made of borosilicate glass. Graduated. 100ML. Pyrex-Japan or Equivalent	Nos	30
24	Beaker 250ml Low form with spout made of borosilicate glass. Graduated. 250ML. Pyrex-Japan or Equivalent	Nos	30
25	Beaker 500ml Low form with spout made of borosilicate glass. Graduated. 500ML. Pyrex-Japan or Equivalent	Nos	30
26	Beaker 50ml Low form with spout made of borosilicate glass. Graduated. 50ML. Pyrex-Japan or Equivalent	Nos	30
27	Bell Jar 150x200mm China or Equivalent	Nos	4
28	Benedicts Solution Prepared Solutions BRANDED	2.5 Ltr	6
29	Biodiversity Chart Penaflex 4 Color Printed of 430gm Media Pena flex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
30	Biogeochemical Cycles Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
31	Blades (Safety Razor) 7 -O Clock or equivalent	Nos	16
32	Blue Litmus Paper 100 leaves of size 63.5x10mm wide approx. blue colors in plastic case	Packet	15

33	Boiling Flask made of borosilicate glass 100ml Pyrex- Japan or Equivalent	Nos	15
34	Boiling Flask made of borosilicate glass 250ml Pyrex- Japan or Equivalent	Nos	15
35	Bromothymol Blue Solution Product Number: 114413 CAS Number: 76-59-5 MDL: MFCD00005872 Formula: C ₂₇ H ₂₈ Br ₂ O ₅ S Formula Weight: 624.38 g/mol BRANDED	2.5 Ltr	3
36	Bunsen Burner The Burner Tube is made of brass and mounted on pressed steel powder coated base. Base dia. Is 80mm. overall height of burner 130mm burner tube dia. 12mm suitable for LPG/Butane gas with stopcock	Nos	10
37	Burette 50ml Rota flow With P.T.F.E Rota flow stopcock 50ML. Germany/Pyrex or Equivalent	Nos	15
38	Calcium Carbonate Formula: CaCO ₃ CAS Number: 471-34-1 Molecular Weight: 100.09 Melting point: 825c, pH Value: 9.5-10.5 BRANDED	Kg	3
39	Calcium Chloride or Any Salt Formula: CaCl ₂ CAS Number: 10043-52-4 Molecular Weight: 110.98 Melting Point: 176c pH Value: 4.5-8.5 BRANDED	500g	3
40	Calcium Hydroxide Formula: Ca(OH) ₂ CAS Number: 1305-62-0 Molecular Weight: 74.09 Melting point: 550c. Boiling point 2850c, pH Value: 12.6 BRANDED	500g	3

41	Calorimeter Calorimeter body for the heat equivalent device for determining the specific heat capacity of copper with borehole for holding temperature sensor and with integrated heating element. Electric heater power 10v, 1 a heating element connection via 2mm socket dimensions approx 50mm x 48mm dia weight approx 750gm	Nos	10
42	Capillary Tube Pkt of 100Pcs German or Equivalent	Vail	15
43	Cell Division Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
44	Cells of Onion Epidermis and Hydrilla Leaf Slide Carolina Carolina USA or Equivalent	Nos	5
45	China Dish Porcelain 60cc China or Equivalent	Nos	16
46	Chromatography paper material cellulose membrane sheet sterility non sterile feature 1 CHR parameter 130mm/30min flow rate WxL20cm x 20cm basis weight 87g/m2	Nos	5
47	Chromatography tank can be used with 10x10cm, 5x10cm or 10x20cm plates centering baffle to support plates during development supplied with lid beveled edges and tops and bottom ground flat	Nos	3
48	Cinnamic Acid Formula: $C_6H_5CH=CHCOOH$ CAS No.: 140-10-3 Molecular Weight: 148.16 Melting Point: 132.-136c Boiling Point: 300c pH Value: 3-4 BRANDED	100g	5
49	Circular coil apparatus Lab circular copper coil on base a coil with 94 turns of 1mm dia -4mm terminals for banana plugs mounted on a 10x7" plastic base iron filling not included	No	10
50	Common Pins China or Equivalent	Packet	10
51	Compass 3/4" China or Equivalent	Nos	20

52	Concave Mirror 3" With Stand Metallic Dia 75mm	Nos	20
53	Concentrated Hydrochloric Acid Formula: HCl CAS Number: 7647-01-0 Molecular Weight: 36.46 Melting Point: -40c Boiling Point: 83.90c BRANDED	Litter	4
54	Conical Flask made of borosilicate glass, Wide Mouth 250ml Pyrex-Japan 100ml Pyrex or Equivalent	Nos	10
55	Conical Flask made of borosilicate glass, Wide Mouth 250ml Pyrex-Japan 250ml Pyrex or Equivalent	Nos	10
56	Conical Flask made of borosilicate glass, Wide Mouth 250ml Pyrex-Japan 500ml Pyrex or Equivalent	Nos	10
57	Conjugation in Paramecium Slide Carolina Carolina USA or Equivalent	Nos	5
58	Connecting Wires Copper Pak or Equivalent	Kg	8
59	Convex Lens Focal Length 1=10cm to 20cm, 25mm Dia Local	Nos	30
60	Copper Chloride or Any Salt of Cu Product Number: 222011 CAS Number: 7447-39-4 MDL: MFCD00010972 Formula: Cl ₂ Cu Formula Weight: 134.45 g/mol Melting Point: 422c Boiling Point: 1367c pH Value: 5 BRANDED	100g	6
61	Copper Sulfate Solution M= 159.61g/mol pH Value: 4.2 Cas No: 7758.98.7 BRANDED	2.5 Ltr	6
62	Cork One Hole Made of Rubber with One Hole	Nos	25
63	Cork Two Hole Made of Rubber with Two Hole	Nos	25
64	Cork Wooden Small, Medium, Large Local	Nos	30
65	Cotton Roll 500gms Surgical Local	No	20

66	Cotton Wool Surgical 500gm local	Nos	10
67	Deionized Water Di ionized	2.5 Ltr	5
68	Delivery Tubes Glass Borosilicate glass dia 6mm German or Equivalent Glass Length 50cm	Nos	10
69	Diastase pH Value: 6.5-7.5 Cas No: 9000-90-2 BRANDED	2.5 Ltr	6
70	Digital Ammeter Display: LCD type 3½ of digit Display Size: 13mm height Power: 9 volt battery operated Accuracy: ±0.3% typical Linearity: 0.2% typical Body Material: Plastic UK-USA-GERMANY OR EQUIVALENT	Nos	5
71	Digital Balance Digital 0.0001gm 200gm Easy to read LED display with backlight, auto-0 Tracking, Low Battery Indicator in rechargeable Battery, SS Weighing Pan Dia 80mm Auto Collaboration with external weight and over loading protection	Nos	10
72	Digital Voltmeter Voltage: 12 V DC Power Frequency: 50 Hz Body Material: Plastic UK-USA-GERMANY OR EQUIVALENT	Nos	5
73	Dissecting Board Made of Soft Wood Size 30"/20"	Nos	10
74	Dissecting Box Set of 15 S.S Material Pcs Leather carrying Case Export Quality	Nos	8
75	Dissecting Tray With Wax 8x10" Local	Nos	7
76	Distillation Assembly Material: Glass Capacity: 1000ml Item Dimensions LxWxH: 19.63x 11.5 x 5.5" Items: Round Bottom Flask 1000ml Still Head With Thermometer Support Spiral Condenser 300mm 24/29 Receiver Adapter 3x Joint Clip 19/26	Nos	5

77	Distilled Water Di ionized	25 Litter	6
78	DNA Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	6
79	Drawing Board One Side Soft With Rubber Sheet Pak or Equivalent 12"x14"	Nos	13
80	Drawing Board Pins China or Equivalent	Packet	10
81	Dropper Dropper Glass with rubber teat 3ml China or Equivalent	Nos	50
82	Dropping Bottle Dropping Bottle are made of LDPE (Low Density polyethylene) with excellent chemical resistance. These dropping bottle can accurately and reliable dispense a variety of reagent. The dropping bottle will repeatedly produce a measured drop, but only when squeezed	Nos	20
83	Dry Cell With Box 1.5v Toshiba Japan or Equivalent	Nos	12
84	Electroplating apparatus Hanger with copper plate and iron plate ONE bulb holder wire cell holder dry cells	Nos	50
85	Emergency Eye Shower Push handle activated wall mounted eye/face wash unit eye/face wash unit are designed and intended to be installed in close range of persons working in potentially hazardous area. The main purpose of these devices is to immediately deliver flushing fluid in sufficient volume to flush the eye following exposure to injurious substances or heat rinses eyes and face with clean water via twin spray nozzles	Nos	2
86	Eosin Solution pH Value: 0.5 BRANDED	2.5 Ltr	4
87	Ethanol M= 46.07g/mol Melting Point: 114.5c Boiling Point: 78.3c pH Value: 7 Cas No: 64-17-5 BRANDED	2.5 Ltr	4
88	Fehling's Solution A&B Prepared Solution	500ML	6

89	Ferric Chloride M=270.33g/mol Melting Point: 37c Cas No: 10025-77 BRANDED	250g	6
90	Filter Paper 12.5cm Whatman or Equivalent 12.5cm pack of 100 circle.No. 42	Packet	20
91	Fire Extinguisher 1KG dry chemical for fire extinguisher 1kg abc squeeze grip cartridge type of 1kg capacity having rating of 3A, 21B fitted with gunmetal cap, co2 gas cartridge and hose with squeeze grip nozzle and supplied complete with initial charge as per IS: 15683 with ISI mark and mounting bracket	Nos	5
92	Forceps SS 4" Export Quality Stainless Steel	Nos	40
93	Formalin Melting Point: 15c Boiling Point: 93.96 pH Value: 3-4 Flash Point: 84c BRANDED	2.5 Ltr	6
94	Free Fall Apparatus Metallic Heavy Complete Set With Pulley	Nos	10
95	Frog Skeleton Original Bones of Frog 1)Neurocranium 2) Maxilla 3) Mandible 4) Vertebrae 5) Urostyle 6) Scapula 7) Coracoid 8) Sternum 9) Interspinal bone 10) Humorous 11) radio ulna 12) metacarpus 13) phalanges 14) femur 15) tibio fibula 16) tarsus 17) metatarsus 18) phalanges	Nos	10
96	Fructose M= 180.5g/mol Melting Point: 100-110c Boiling Point: 146c pH Value: 5-6 Cas No: 57-48-7 BRANDED	250g	6
97	Funnel 4" (Thistle Funnel) Made of borosilicate glass Having thick uniform wall heavy construction for greater mechanical strength and prolonged life with harder 4" Pyrex-Japan or equivalent	Nos	20

98	Funnel Stand Ring Casted base finishing in blue/black with tapped hole 10x1.5mm metric thread in the center of the one short side base plate size 200mm x 125mm rod height 12x400mm clamp and boss head ring material stainless steel usage application chemical laboratory shape rectangular base shape over all height 490mm rod diameter 14-16mm	Nos	20
99	Fusion Tube Borosilicate glass length 50mm thickness 3mm	Packet	15
100	Galvanometer Range 30-0-30 In Foam Packing China or Equivalent	Nos	15
101	Gas Burner The Burner Tube is made of brass and mounted on pressed steel powder coated base. Base dia. Is 80mm. overall height of burner 130mm burner tube dia. 12mm suitable for LPG/Butane gas with stopcock	Nos	25
102	Gas Jar Made of heavy glass approx 250ml plastic base and plastic top lid	Nos	40
103	Gas Jar Lids with hole Made of Pure Plastic Best Quality	Nos	100
104	Gas Jar Lids without hole Made of Pure Plastic Best Quality	Nos	100
105	Germination Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
106	Glass Plates 4x4 5mm side edges Belgium or Equivalent	Nos	60
107	Glass Prism 2" Pak or Equivalent	Nos	35
108	Glass Stirrer Heavy 6" one side flat German or Equivalent Glass	Nos	60
109	Glass Tube 6mm Dia 50cm Length	Nos	25
110	Glucose M= 198.7g/mol pH Value: 6.7 Cas No: 14431-43-7 BRANDED	250g	6
111	Glucose Solution 01% 01% Prepared Solution BRANDED	2.5 Ltr	6

112	Glycerin M= 92.1g/mol Melting Point: 18c Boiling Point: 290c pH Value: 5 BRANDED	2.5 Ltr	6
113	Graduated Cylinder made of borosilicate glass hexagonal base with spout 50ml Pyrex-Japan or Equivalent	Nos	10
114	Graduated Cylinder made of borosilicate glass hexagonal base with spout 100ml Pyrex-Japan or Equivalent	Nos	10
115	Graduated Flask made of borosilicate glass with graduation mark fitted with glass stopper 100ml Pyrex- Japan or Equivalent	Nos	10
116	Graduated Flask made of borosilicate glass with graduation mark fitted with glass stopper 250ml Pyrex- Japan or Equivalent	Nos	10
117	Graduated Flask made of borosilicate glass with graduation mark fitted with glass stopper 500ml Pyrex- Japan or Equivalent	Nos	10
118	Graduated Pipette 10ml Germany or Equivalent	Nos	10
119	Helical Spring Apparatus With SS Scale & 5x20gm Brass Slotted Weight with pointer Fitted on Metallic Heavy Base Fine Quality Local	Nos	15
120	High Resistance Box 5000Ω Fitted With Original Eureka Wire, Plug Pattern Type Brass Contact Block in Wooden Case	Nos	10
121	Horizontal Board Fixed With Three Pulleys Made of Soft Wood With Brass Pulley Metallic Base with screw level,	Nos	20
122	Human Body System Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
123	Human Brain Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
124	Human Diaphragm and Intercostal Muscles 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10

125	Human Ear Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
126	Human Eye Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
127	Human Kidney Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
128	Human Skeleton Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10
129	Hydraulic Press apparatus Fluid pressure apparatus hydraulic press educational lab equipment's is demonstration the process of transmissibility of fluid pressure. It apparatus consist of the plated cylindrical tubes of different diameters fitted with piston and connected to each others through a tube at their bottom piston have circular disc at the top for loading masses mounted on base	Nos	10
130	Hydrogen Carbonate Indicator BRANDED	2.5 Ltr	3
131	Hydrometer Hydrometer for all wine and beer makers with 3 colored scales density, sugar content and potential alcohol degree Range 0.990- 1.170 S.G. 0-360 g/l sugar. 0-20% vol. Pot. Alcohol Content. Large Accurate model. Length: 26cm Width: 3.00cm Height: 3.00cm Length: 30.00cm Weight: 0.06Kg	Nos	15
132	Inclined Plain Metallic inclined plane 16x10cm (length x Width) with pulley 22mm dia hanged to a Metallic base 45x10cm (length x width) provided with linear scale along the inclined plane & a vertical, regular scale fixed to the base.	Nos	10
133	Inoculation Loop Made of Brass Local	Nos	30
134	Iodine Crystal M= 253.8g/mol Melting Point: 114c Boiling Point: 185c Cas No: 755-3-56-2 BRANDED	250g	4

135	Iodine Solution Prepared Solution BRANDED	2.5 Ltr	6
136	Iron Stand Complete With Boss Head Casted base finish in blue/black with tapped hole 10x1.5mm metric thread in the center of one short side. Base plate size (200mm X 125mm) rod height 12x400mm. Clamp and Boss head China or Equivalent	Nos	10
137	Keys One Way Brass Pak or Equivalent	Nos	10
138	Knitting Needle China or Equivalent	Nos	10
139	Knives China or Equivalent 6"	Nos	10
140	Lab Coat Fabric made of 100% Cotton Fabric its soft on skin comfortable in both summer and winter, protects against stains, burns, and residue	Nos	20
141	Laser Light The Laser Beam profiler is a high precision CCD based (for VIS/NIR) device to be used with laser having wavelength between 340nm and 1100nm. Coupled with the Device can be used for quick and accurate characterization of laser. A Laser beam profile is produced to identify spatial characteristics that predict the propagation, quality and utility of laser beam these spatial characteristic include beam width divergence and direction laser beam profiling is important for manufacturer of products that utilize lasers as the core technology	Nos	5
142	Latex Gloves Nature Rubber Latex Gloves Box – for school lab and other safety purposes. 50 Pair of Latex Gloves Low Protein Lightly Powdered	Box	5
143	Law of Moment Apparatus (Need to Verify) By simply adjusting weights fitted on a meter stick lever to establish equilibrium, students will observe the law of torque for various centres of rotation, compare clockwise and counter-clockwise torques, measure various lever arms, and calculate torque. Equipment consists of a meter stick, three knife edge clamps and an aluminium support. Supplied with 100g & 200g hooked weight.	Nos	5
144	LED Indicator Module Pak or Equivalent	Nos	5

145	Lens Paper Whatman or Equivalent	Nos	15
146	Lens Stand PP Material with Y Shape iron 2mm x 3"	Nos	10
147	Light Ray Box Portable Wooden Pak or Equivalent	Nos	12
148	Light Source Pak or Equivalent	Nos	15
149	Lime Water Lab Grade	Litter	5
150	Litmus Solution pH Value: 7 Cas No: 1393-92-6 BRANDED	Litter	5
151	Litmus Water Prepared Solution BRANDED	2.5 Ltr	5
152	Low Resistance Box 200Ω Fitted With Original Eureka Wire, Plug Pattern Type Brass Contact Block in Wooden Case	Nos	10
153	Magnesium Hydroxide M= 485g/mol Melting Point: 600c pH Value: 10.5 Cas No: 1309-428 BRANDED	500g	5

154	Magnetic stirrer Hot Plate Work plate Dimension [W x D] 184x184mm (7 inch) Work plate material: Glass ceramic Motor type: Shaded pole motor Motor rating input: 15W Motor rating output: 1.5W Power: 1030W Heating output: 1000W Voltage: 100-120/200-240V 50/60Hz Stirring positions: 1 Max. stirring quantity, [H ₂ O]: 10L Max. magnetic bar[length]: 80mm Speed range: 0-1500rpm Speed display: Scale Temperature display" LED Heating temperature range: Room temp.-550°C, increment 5°C Temperature control accuracy: ±10°C Overheating protection: 580°C Temperature display accuracy: ±1°C External temperature sensor: PT1000 (accuracy ±0.2) Hot warning: 50°C Protection class: IP21 Dimension [WxDxH]: 215x360x112mm Weight: 4.5kg Permissible ambient temperature and humidity 5-40°C, 80%RH UK-USA-GERMANY OR EQUIVALENT	Nos	1
155	Magnifying Glass 75mm with Light China or Equivalent	Nos	15
156	Match Box Local 100 Sticks	Nos	10
157	Measuring Jug Polypropylene White Transparent Autoclave able 250ml with handle	Nos	10
158	Measuring Jug 1000ml Polypropylene White Transparent Autoclave able 1000ml with handle	Nos	10
159	Mechanism of Enzyme Action chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic /Wooden Roller and Hanging Thread for wall	Nos	5
160	Meiosis Slide Set Carolina USA or Equivalent	Nos	5

161	Melting Point Apparatus Temp. Range (deg. Celsius) 350deg C Operation Grade: Automatic Control System : PLC control melting points up to 350 °C. The mounted block is illuminated from below by a lamp fixed in its housing. The aluminum blocks accept three capillary tubes & mercury thermometer. The temperature is regulated by energy regulator fitted to the unit. The lamp provides uniform & shadow less regulator fitted to the unit. UK-USA-GERMANY OR EQUIVALENT	Nos	5
162	Mendelian Genetics Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
163	Metallic Bob Set of 3 Pcs Set of three different metal shape 25mm dia solid of one each Aluminum, iron, brass. Setof 3 Pcs	Nos	13
164	Metallic Wire Thickness Dia 0.125mm	Kg	10
165	Meter bridge Meter bridge and pencil jockey brass end strips so that end errors are negligible supplied complete with pencil jockey along with lead for connecting the four gap bridge has a large and heavy copper strips mounted on a heavy 3/4" thick laminated base of size 45"x4"x3/4" Nine heavy brass terminal lock type are provided to reduce the resistance to a minimum the ends gaps are closed by removeable copper binding pieces which are held in position by the terminal overall dimensions 1.12m x 100mm x 50mm including terminal meter bridge and pencil jockey are suitable for experiments related to resistance experiments including determining the unknown value of resistance the 24 SWG constant wire is stretched along the top of wood meter scale and securely clamped over all dimensions: 1.12m x 100mm x 50mm including terminals	Nos	5
166	Meter Rod 100cm 1 Meter Long Wooden Local	Nos	20

167	Methanol M= 32-04g/mol Melting Point: -98c Boiling Point: 64-5c Flash Point: 15.6 Cas No: 67-56-1 BRANDED	Litter	5
168	Methyl Orange M= 327.34g/mol Melting Point: 300c pH Value: 6.5 Cas No: 547-58-0 BRANDED	10g	5
169	Methyl Potassium Hydroxide Blue 01% 01% Prepared Solution BRANDED	2.5 Ltr	5
170	Binocular Eyepiece 5x,10X,15x Achromatic objective 5X 10X 45X (S) Total magnification 25x-675x Stage Round Stage+slide clips 90*90mm Nosepiece triple Condenser Rotating disc diaphragm Focusing Separate coarse and fine adjustment, fine adjustment range 1.4mm-1.8mm Illumination Plan-concave mirror	Nos	2
171	Microscope Cover Slips 18x18mm China or Equivalent	Packet	10
172	Microscope Dissecting Total Magnification 20x Eye Pieces Tube Vertical Fixed / Natural Lamp Cross Adjustment 40mm Objective 2x in Foam Packing China or Equivalent Warranty: 2 Years Manufacturer Authorization is required	Nos	5
173	Microscope Monocular Total Magnification 50x1000x Eye Pieces: 5x10x Objective: 10,40,100x Eye Pieces Tube: Monocular Vertical Tube Illumination: Concave-Plan Reflector. Coarse adjustment range: 50mm Fine adjustment range: 1.8mm-2.2mm Working Stage: 120mmx120mm Optional: Electrical Illumination Stage Attachable Mechanical Stage 110X120mm/ 60X30mm Warranty: 2 Years. Manufacturer Authorization is required	Nos	4
174	Microscope Slides Pack of 72 Pcs 1x3" China or Equivalent	Packet	10

175	Mitosis Slide Set Carolina USA or Equivalent	Nos	5
176	NAND Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the NAND GATE logic conditions.	Nos	10
177	Needles With Stands Upright Metallic Pak or Equivalent	Nos	40
178	Nerve Cell Slide Carolina Carolina USA or Equivalent	Nos	5
179	Neuron Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
180	Nitric Acid Boiling Point: 122c Melting Point: -41c BRANDED	Litter	5
181	NOR Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the NOR GATE logic conditions.	Nos	10
182	NOT Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the NOT GATE logic conditions.	Nos	10
183	NPN Transistor NPN transistor is the most commonly used bipolar junction transistor, and is constructed by sandwiching a P-type semiconductor between two N-type semiconductors. An NPN transistor has three terminals—a collector, emitter and base. The NPN transistor behaves like two PN junctions diodes connected back to back.	Nos	10

184	Ocular 19mm diameter eyepieces 10mm linear scale 100division	Nos	2
185	Sunflower Local	Kg	5
186	Onion Root Tip Slide Carolina Carolina USA or Equivalent	Nos	5
187	Optical Bench Made of lasani laminated sheet having size 42" long 6" width fitted wooden meter scale best quality	Nos	10
188	Optical Bench Made of lasani laminated sheet having size 42" long 6" width fitted wooden meter scale best quality	Nos	10
189	Organic Waste Can Local Dia 12" length 15"	Nos	10
190	Oxalic Acid M= 126-07g/mol Melting Point: 101c Boiling Point: 149c pH Value: 1 Flash Point: 15c Cas No: 6153-56-6 BRANDED	250g	2
191	Pair of Tong Made of Stainless Steel 10 Long	Nos	10
192	Pan 75mm Pak or Equivalent	Nos	10
193	Pestle and Morter Made of Porceline 150mm	Nos	10
194	Petri Dish	Pair	10
195	pH Paper pH 1-14. Roll in Plastic Dispenser German or Equivalent	Packet	10
196	Phenol Solution M= 94.11g/mol Melting Point: 40.8c Boiling Point: 181.8c pH Value: 5 Flash Point: 85c Cas No: 108-95-2 BRANDED	Litter	2
197	Phenolphthalein M= 318-32g/mol Melting Point: 263-7c Cas No: 77-09- 8 BRANDED	10g	2
198	Photocell Apparatus Made: Lasani Sheet Size: L45" x W8" D8" Accessories which are included with Photocell Apparatus uA Meter 0.300 Meter Scale Bulb 100watt Photocell Sensor Handle for Sliding Bulb	Nos	2

199	Photometer Mounted on Wooden/Plastic Base With PTFE Key Stop Cock by clip/ Dia of reservoir 20mmx1mm	Nos	15
200	Pin Stand PP Material With Iron Pin 2mm x3"	Nos	30
201	Pipette filler Imported	Nos	20
202	Pipette stand Made of Acrylic Best Quality for 20 Pipettes Two Acrylic Desk to hold the pipettes and one pc base made in acrylic	Nos	10
203	Pipettes 10ml Graduated 10ml Pyrex or Equivalent	Nos	25
204	Pitcher Plant Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
205	Plain Mirror Stand Glass size 2''x4'' Belgium	Nos	40
206	Plant Pressure Heavy Duty Wooden Finish in Paint Size 45x30cm	Nos	20
207	Plant Propagation Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
208	Platinum Wire for flame test, fused in two glass handle	Nos	20
209	PNP Transistor The PNP transistor is a type of transistor in which one n-type material is doped with two p-type materials. It is a device that is controlled by the current. Both the emitter and collector currents were controlled by the small amount of base current. Two crystal diodes are connected back-to-back in the PNP transistor	Nos	10
210	Polystyrene Cups with cover Pak or Equivalent	Nos	40
211	Potassium Chloride M= 56g/mol Melting Point: 360c Boiling Point: 1320c pH Value: 14 Cas No: 1310-58-3 BRANDED	500g	6

212	Potassium Hydroxide M= 56g/mol Melting Point: 360c Boiling Point: 1320c pH Value: 14 Cas No: 1310-58-3 BRANDED	500g	6
213	Potassium Permanganate M= 158.55g/mol Melting Point: 240c pH Value: 7-9 Cas No: 7722-64-7 BRANDED	500g	6
214	Powdered Zinc M= 65.37g/mol Melting Point: 420c Boiling Point: 908c Cas No: 7440-66-6 BRANDED	250g	6
215	Power Supply 12Volt 2Amp DC Local	Nos	10
216	Protractor China or Equivalent	Nos	10
217	Pulley Board Stand Size : 14"x18" Lasani Lamination Sheet With Two Pulleys and 10x5=50gm weight plastic base best quality	Nos	10
218	Pulley S Type Heavy Made of Brass Pak or Equivalent	Nos	13
219	RD Bottle Borosilicate Glass 25ml Transparent Best Quality	Nos	13
220	Reagent Bottle Borosilicate Glass 250ml China or Equivalent	Nos	10
221	Rectangular Glass Slab 3/4" Local	Nos	30
222	Red Litmus Paper 100 leaves of size 63.5x10mm wide approx. blue colors in plastic case	Packet	15
223	Reflex ARC Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
224	Resistance Wire Mounted on Wooden Board	Meter	15

225	Resonance tube apparatus Determine wavelength and velocity of sound can be easily and accurately obtained with this apparatus. Consist of a 90 cm Graduated Plastic Resonating Tube. The end of the tube is connected to an aluminum reservoir which slides along a vertical support rod to raise the water level to any level. the tube is of sufficient length to produce resonances for $1/4$, $3/4$. and $5/4$ wavelength of a 512 VPS tuning fork includes instructions for assembly and use. tuning fork not included	Nos	5
226	Rheostat Sliding Contact 200 Ohms Mounted in Eureka Wire on Porcelain Pipe With Terminal Brass Metallic Base	Nos	10
227	Rhizopus and Mushroom Slide Carolina Carolina USA or Equivalent	Nos	5
228	Round Bottom Distillation Flask Made of Borosilicate glass Iwaki- 250ml Pyrex or Equivalent	Nos	10
229	Rubber Pad on Wooden base Pak or Equivalent	Nos	15
230	Rubber Tubing Soft Imported 4mm dia	Nos	10
231	Safety Goggles Primary protectors intended to shield the eyes against liquid or chemical splash, irritating mists, vapors, and fumes. Form a protective seal around the eyes, and prevent objects or liquids from entering under or around the goggles. Made of Good Quality Plastic	Nos	25
232	Safety Storage Cabinet Wall Mounted lab storage cabinets made of 0.20mm thick galvanized iron sheets with epoxy powder coated finish . Wall mounted lab storage cabinets with inner horizontal partitions and size: 3 feet length, 4 feet height. Each horizontal partition/shelf will be fitted in about 1 feet gap. complete unit weight 60kg	Nos	2
233	Sand bath 4" Round Shape Copper Made	Nos	13

234	Science Lab Stool Stool Structure made of MS Square pipe 1"x1" 18 SWG duly powder coated in thick layer in color with black rubber foot caps for floor safety. Overall height of stool with seat 22" seat made of seasoned ash wood having moisture content up to 12% size of seat plank 12x14"x3/4" slightly curved and hole in the center of seat size 4"x1" finished with lacquer polish	Nos	20
235	Screw Gauge Range 0-25mm X 0.01mm, Accuracy at 25mm is +/- .003mm with plastic case China or Equivalent	Nos	8
236	Section of Animal Tissue Slide Carolina Carolina USA or Equivalent	Nos	5
237	Section of mammalian Kidney Slide Carolina	Nos	5
238	Semi Circular Glass Slab 3"x2"x3/4" Pak or Equivalent	Nos	15
239	Semi-Conductor Diode made in wood box 10"x12" Items which are fitted in the box 1: Milli Ammeter 2: Micro Ammeter 3: Transformer 4: Different Diodes	Nos	10
240	Sexual Reproduction in Plants Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
241	Silver Nitrate M= 169.87g/mol Melting Point: 212c Boiling Point: 444c pH Value: 5.4-6.4 Cas No: 7761-88-8 BRANDED	25g	5
242	Slide Box Microscopic Slide Box The Slots are well spaced for easy handling of 76x26mm Slide. Each Slot is clearly numbered and can be cross referenced with corresponding index card. Lids are totally removeable. The 100 Slides Box	Nos	10

243	Slide Box Microscopic Slide Box The Slots are well spaced for easy handling of 76x26mm Slide. Each Slot is clearly numbered and can be cross referenced with corresponding index card. Lids are totally removeable. The 25 Slides Box	Nos	70
244	Slotted Weight With Hanger Set of 5x10gm 50gm Made of Brass Pak or Equivalent	Set	30
245	Slotted Weight With Hanger Set of 5x20gm 100gm Made of Brass Pak or Equivalent	Set	10
246	Small Metallic Sphere 6.5mm to 125mm dia	Nos	10
247	Small Wooden Bench Local	Nos	10
248	Smoke Sensor Pak or Equivalent	Nos	10
249	Soap 85gm Anti-Bacterial	Bars	10
250	Sodium bi Carbonate M= 105.99g/mol Melting Point: 854c Boiling Point: 1600c pH Value: 11.5 Cas No: 497-19-8 BRANDED	500g	5
251	Sodium Carbonate M= 105.99g/mol Melting Point: 854c Boiling Point: 1600c pH Value: 11.5 Cas No: 497-19-8 BRANDED	500g	6
252	Sodium Chloride M= 58.44g/mol Melting Point: 801c Boiling Point: 1461c pH Value: 6-9 Cas No: 7647-14-5 BRANDED	Kg	6
253	Sodium Hydroxide M= 40.00g/mol Melting Point: 323c Boiling Point: 1390c pH Value: 14 Cas No: 1310-73-2 BRANDED	500g	6
254	Sodium Metal M= 22.99g/mol Melting Point: 97.8c Boiling Point: 889c Cas No: 7440-23-5 BRANDED	100Gram	2

255	Sodium Sulfate M= 142.04g/mol Melting Point: 888c pH Value: 4.7 Cas No: 7757-82-6 BRANDED	500g	6
256	Solid Cylinder Brass Set of 3 Pcs	Set	15
257	Solid Lead Shots Local	Kg	2
258	Sonometer Comprising a hollow wooden resonance box, with two meter rules graduated in millimeters, Mounted on top on either side along the length. One each of brass and steel wires of different diameter attached to fixed bridge on one end of the box and tensioned by wrest pins at the other end	Nos	3
259	Spatula Stainless Steel double ended. Flat blades, polished. Size 150mm Spoon One Side	Nos	40
260	Specimen Jar 75x150mm China or Equivalent	Nos	10
261	Spherometer Local	Nos	20
262	Spirit Lamp Made of Glass 150ml Vick and Plastic Cover With Porcelain Nozzle	Nos	20
263	Split Cork Rubber Pak or Equivalent	Nos	20
264	Spring balance Plastic balance made of clear acrylic tube. Each range is color coded for easy identification, and has dual scale graduated in both gs and Newton. The spring mechanism and working of the balance is clearly visible with provision for zero adjustment incorporated at the top. With suspension ring, 1N, 2.5N, 5N, 10N	Nos	15
265	Stage Micrometer 1x3 slide with linear targets etched into the glass 3 range 10mm / 100 to 0.1mm (100um) scale, 10mm/200 to 0.05mm (50um) scale and 1mm / 100 to 0.01mm (10um) small scale	Nos	10
266	Standard Resistance 1Ω,2Ω,5Ω, 10Ω Mounted on Plastic Case Local	Set	10

267	Starch pH Value: 6.0.7 Cas No: 9005-84-9 BRANDED	2.5 Ltr	5
268	Steel Roller With Suspended Pan Made of Iron Pak or Equivalent Local	Nos	10
269	Stirrer Copper Pak or Equivalent	Nos	20
270	Stop Watch Metallic Analogue Analogue Diamond 1/10 Second China or Equivalent	Nos	5
271	Stopper Cork Local	Nos	50
272	Strontium Chloride M= 266.62g/mol Melting Point: 61c Boiling Point: 100 pH Value: 5-7 Cas No: 10025-70-4 BRANDED	100g	6
273	Structure DNA Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
274	Sudan III Solution M= 352.39g/mol Melting Point: 199c Cas No: 85-86-9 BRANDED	2.5 Liters	4
275	Sugar White Crystal	500g	6
276	Sulfuric Acid M= 98.08g/mol Boiling Point: 335c pH Value: 1-2 Cas No: 7664.93.9 BRANDED	Litter	4
277	Sundew Plant Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5
278	Syringe 10ml China or Equivalent	Nos	21
279	Test Tube Holder Plated spring steel wire holder with finger grip. 40 mm diameter and their alignment maintained by a wire collar. Overall length 16 cm	Nos	15

280	Test Tube Racks Polypropylene, White /blue color, autoclave able and 6 place racks end supported by 2 columns. In the top plate has 2 holes for holding 25mm dia. Test tubes & four holes to hold 16mm dia. Tubes it has six vertical pin for drying tubes	Nos	10
281	Test Tubes Borosilicate Glass Heavy Wall, With Rim, With Strong Resistance two heat and chemicals 18x150 Iwaki Pyrex or Equivalent	Nos	50
282	Thermistor Pak or Equivalent	Nos	10
283	Thermometer (x2) -10 to 110c With Half Degree Mark Yellow Back Zeal UK or Equivalent	Nos	10
284	Thermos Flask Capacity 2 Ltr Taiwan or Equivalent	Nos	5
285	Thistle Funnel Borosilicate Glass 8" Long one side Reservoir	Nos	26
286	Thread Polyester Pak or Equivalent	Nos	5
287	Tollens Reagent Prepared Solutions	500ML	2
288	Transport of Material in Plant Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	3
289	Transverse Section of Artery, Vein and Capillary Slide Carolina Carolina USA or Equivalent	Nos	3
290	Transverse Section of Human Small Intestine Slide Carolina Carolina USA or Equivalent	Nos	3
291	Transverse Section of Leaf, Root, Steam of Brassica Carolina Slide Carolina USA or Equivalent	Nos	3
292	Transverse Section of Mammalian Air Sacs Carolina Slide Carolina USA or Equivalent	Nos	3
293	Transverse Section of Woody Carolina Slide Carolina USA or Equivalent	Nos	3
294	Tripod Stand Round Circle Shape Having 3 Legs Height 7" Made of Steel	Nos	10

295	Trypsin pH Value: 75-9 Cas No: 9002-07-7 BRANDED	2.5 Liters	3
296	Tuning Fork Aluminum Tuning Forks	Nos	8
297	Vernier Caliper 150mm 6" SS Body in 0.01mm With Plastic Case China or Equivalent	Nos	4
298	Vinegar 40% Solution	Litter	6
299	Voltmeter Double Range 0-5V/0.3V Bench Type Packed in Foam China or Equivalent	Nos	5
300	Wash Bottle Polyethylene, Translucent and unbreakable. Cap fitted with flexible polyethylene delivery tube 500ml	Nos	10
301	Watch Glass 3" Dia Polished with ground edges Pak or Equivalent	Nos	45
302	Water Condenser Spiral Coil Reflex Size 24/29 Length	Nos	10
303	Water Trough Made of Heavy Glass Round shape approx 10" dia	Nos	18
304	Wax Local Pak or Equivalent	Kg	5
305	Weight Box With Fractional Weights China or Equivalent in plastic case	Nos	10
306	White Paper A4 Size A4 Size 80Gm AA or Equivalent Imported	Rim	10
307	Wire Gauze Aborted 6" G.I Wire Ceramic Centre Extra Strong Quality in Square Size 12x12	Nos	40
308	Wolf's Bottle Borosilicate Glass Two Hole in top of Bottle 250ml Approximately	Nos	30
309	Wooden Block Local Pak or Equivalent	Nos	36
310	Wooden Stands Having V- Shape Top Made of Shesham Wood	Nos	20
311	Wooden Wedge Having Sharp Blade 3" Local	Nos	30

Price Schedule

S. No	Item Names with Specifications	Unit	Quantity	Unit Price	Total Amount
1	2,4 Dinitrophenyl Hydrazine Product Number: D199303 CAS Number: 119-26-6 MDL: MFCD00007578 Formula: C ₆ H ₆ N ₄ O ₄ Formula Weight: 198.14 g/mol BRANDED	100g	1		
2	Acetic Acid Product Number 27225-M CAS Number 64-19-7 Molecular Weight 60.05 Melting Point: 17c Boiling Point: 116-118c pH Value: 2.5 BRANDED	2.5 Ltr	1		
3	Alarm System 1x5V To 12V Buzzer Beep Alarm in Pakistan	Nos	2		
4	Alcohol Product Number: 493538 CAS Number: 64-17-5 MDL: MFCD00003568 Formula: C ₂ H ₆ O Formula Weight: 46.07 g/mol Melting Point: 114.5c Boiling Point: 78.3c pH Value: 7 BRANDED	2.5 Ltr	1		
5	Aluminum Foil Aluminum roll, Thickness 0,006 – 0,020mm length 28cm	Roll	4		
6	Ammeter Double Range 0-3A/0.6A Bench Type Packed in Foam China or Equivalent	Nos	5		

7	Ammonium Chloride Product Number 11209 CAS Number 12125-02-9 Molecular Weight 53.49 Melting Point: 335c pH Value: 4.5-5.5 BRANDED	Kg	3		
8	Ammonium Nitrate Product Number: 256064 CAS Number: 6484-52-2 MDL: MFCD00011425 Formula: H4N2O3 Formula Weight: 80.04 g/mol Melting point: 169c, Boiling point: 302c pH Value: 5.0-5.5 BRANDED	Kg	3		
9	AND Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the AND GATE logic conditions.	Nos	4		
10	Angle Iron 2m Long With Steel Ball Local	Nos	10		
11	Animal and Plant Cell Chart on Penaflex 4 Color Printed of 430gm Media Pena flex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
12	Anti-Sera Set of three Bottles A,B,D 10ml Each Bottle for determine the blood group of human	Set	2		
13	Aquarium Size 1.5ft x1.5ft With Cover and wooden stand	Nos	5		
14	Aquarium Net Made of Nylon Length of Rod Half Meter.	Nos	10		

15	Ascorbic Acid Prepared Solutions BRANDED	2.5 Ltr	3		
16	Aspirator Bottle 2500ml Glass Aspirator Bottle 2.5L Laboratory Reagent Flask With Bottom Stopcock with Glass Faucet Heavy Glass	Nos	4		
17	Atwood's Machine Complete Set with Weights	Nos	8		
18	Bacteria Slides Carolina USA or Equivalent	Nos	5		
19	Bar Magnet Magnetic bar marked south and north pole red & blue color size 100mm	Nos	15		
20	Barium Chloride or Any Salt of Barium M=244.28 g/mol, Melting point: 963c, Boiling point: 1560c. Cas No: 10326-27-9 BRANDED	Kg	3		
21	Battery Cells With Two Electrodes 1.5 Volt Toshiba Japan or equivalent, plastic case with 2 cell	Nos	20		
22	Beaker 1000ml Low form with spout made of borosilicate glass. Graduated. 1000ml. Pyrex-Japan or Equivalent		30		
23	Beaker 100ml Low form with spout made of borosilicate glass. Graduated. 100ML. Pyrex-Japan or Equivalent	Nos	30		
24	Beaker 250ml Low form with spout made of borosilicate glass. Graduated. 250ML. Pyrex-Japan or Equivalent	Nos	30		
25	Beaker 500ml Low form with spout made of borosilicate glass. Graduated.	Nos	30		

	500ML. Pyrex-Japan or Equivalent				
26	Beaker 50ml Low form with spout made of borosilicate glass. Graduated. 50ML. Pyrex-Japan or Equivalent	Nos	30		
27	Bell Jar 150x200mm China or Equivalent	Nos	4		
28	Benedicts Solution Prepared Solutions BRANDED	2.5 Ltr	6		
29	Biodiversity Chart Penaflex 4 Color Printed of 430gm Media Pena flex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
30	Biogeochemical Cycles Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
31	Blades (Safety Razor) 7 -O Clock or equivalent	Nos	16		
32	Blue Litmus Paper 100 leaves of size 63.5x10mm wide approx. blue colors in plastic case	Packet	15		
33	Boiling Flask made of borosilicate glass 100ml Pyrex- Japan or Equivalent	Nos	15		
34	Boiling Flask made of borosilicate glass 250ml Pyrex- Japan or Equivalent	Nos	15		
35	Bromothymol Blue Solution Product Number: 114413 CAS Number: 76-59-5 MDL: MFCD00005872 Formula: C ₂₇ H ₂₈ Br ₂ O ₅ S Formula Weight: 624.38 g/mol BRANDED	2.5 Ltr	3		

36	Bunsen Burner The Burner Tube is made of brass and mounted on pressed steel powder coated base. Base dia. Is 80mm. overall height of burner 130mm burner tube dia. 12mm suitable for LPG/Butane gas with stopcock	Nos	10		
37	Burette 50ml Rota flow With P.T.F.E Rota flow stopcock 50ML. Germany/Pyrex or Equivalent	Nos	15		
38	Calcium Carbonate Formula: CaCO_3 CAS Number: 471-34-1 Molecular Weight: 100.09 Melting point: 825c, pH Value: 9.5-10.5 BRANDED	Kg	3		
39	Calcium Chloride or Any Salt Formula: CaCl_2 CAS Number: 10043-52-4 Molecular Weight: 110.98 Melting Point: 176c pH Value: 4.5-8.5 BRANDED	500g	3		
40	Calcium Hydroxide Formula: $\text{Ca}(\text{OH})_2$ CAS Number: 1305-62-0 Molecular Weight: 74.09 Melting point: 550c. Boiling point 2850c, pH Value: 12.6 BRANDED	500g	3		
41	Calorimeter Calorimeter body fir the heat equivalent device for determining the specific heat capacity of copper with borehole for holding temperature sensor and with integrated heating element. Electric heater power 10v, 1 a heating element connection via 2mm socket dimensions approx 50mm x 48mm dia weight approx 750gm	Nos	10		

42	Capillary Tube Pkt of 100Pcs German or Equivalent	Vail	15		
43	Cell Division Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
44	Cells of Onion Epidermis and Hydrilla Leaf Slide Carolina Carolina USA or Equivalent	Nos	5		
45	China Dish Porcelain 60cc China or Equivalent	Nos	16		
46	Chromatography paper material cellulose membrane sheet sterility non sterile feature 1 CHR parameter 130mm/30min flow rate WxL20cm x 20cm basis weight 87g/m2	Nos	5		
47	Chromatography tank can be used with 10x10cm, 5x10cm or 10x20cm plates centering baffle to support plates during development supplied with lid beveled edges and tops and bottom ground flat	Nos	3		
48	Cinnamic Acid Formula: $C_6H_5CH=CHCOOH$ CAS No.: 140-10-3 Molecular Weight: 148.16 Melting Point: 132.-136c Boiling Point: 300c pH Value: 3-4 BRANDED	100g	5		
49	Circular coil apparatus Lab circular copper coil on base a coil with 94 turns of 1mm dia - 4mm terminals for banana plugs mounted on a 10x7" plastic base iron filling not included	No	10		
50	Common Pins China or Equivalent	Packet	10		
51	Compass 3/4" China or Equivalent	Nos	20		

52	Concave Mirror 3" With Stand Metallic Dia 75mm	Nos	20		
53	Concentrated Hydrochloric Acid Formula: HCl CAS Number: 7647-01-0 Molecular Weight: 36.46 Melting Point: -40c Boiling Point: 83.90c BRANDED	Litter	4		
54	Conical Flask made of borosilicate glass, Wide Mouth 250ml Pyrex-Japan 100ml Pyrex or Equivalent	Nos	10		
55	Conical Flask made of borosilicate glass, Wide Mouth 250ml Pyrex-Japan 250ml Pyrex or Equivalent	Nos	10		
56	Conical Flask made of borosilicate glass, Wide Mouth 250ml Pyrex-Japan 500ml Pyrex or Equivalent	Nos	10		
57	Conjugation in Paramecium Slide Carolina Carolina USA or Equivalent	Nos	5		
58	Connecting Wires Copper Pak or Equivalent	Kg	8		
59	Convex Lens Focal Length 1=10cm to 20cm, 25mm Dia Local	Nos	30		
60	Copper Chloride or Any Salt of Cu Product Number: 222011 CAS Number: 7447-39-4 MDL: MFCD00010972 Formula: Cl ₂ Cu Formula Weight: 134.45 g/mol Melting Point: 422c Boiling Point: 1367c pH Value: 5 BRANDED	100g	6		
61	Copper Sulfate Solution M= 159.61g/mol pH Value: 4.2 Cas No: 7758.98.7 BRANDED	2.5 Ltr	6		
62	Cork One Hole Made of Rubber with One Hole	Nos	25		

63	Cork Two Hole Made of Rubber with Two Hole	Nos	25		
64	Cork Wooden Small, Medium, Large Local	Nos	30		
65	Cotton Roll 500gms Surgical Local	No	20		
66	Cotton Wool Surgical 500gm local	Nos	10		
67	Deionized Water Di ionized	2.5 Ltr	5		
68	Delivery Tubes Glass Borosilicate glass dia 6mm German or Equivalent Glass Length 50cm	Nos	10		
69	Diastase pH Value: 6.5-7.5 Cas No: 9000-90-2 BRANDED	2.5 Ltr	6		
70	Digital Ammeter Display: LCD type 3½ of digit Display Size: 13mm height Power: 9 volt battery operated Accuracy: ±0.3% typical Linearity: 0.2% typical Body Material: Plastic UK-USA-GERMANY OR EQUIVALENT	Nos	5		
71	Digital Balance Digital 0.0001gm 200gm Easy to read LED display with backlight, auto-0 Tracking, Low Battery Indicator in rechargeable Battery, SS Weighing Pan Dia 80mm Auto Collaboration with external weight and over loading protection	Nos	10		
72	Digital Voltmeter Voltage: 12 V DC Power Frequency: 50 Hz Body Material: Plastic UK-USA-GERMANY OR EQUIVALENT	Nos	5		
73	Dissecting Board Made of Soft Wood Size 30"/20"	Nos	10		
74	Dissecting Box Set of 15 S.S Material Pcs	Nos	8		

	Leather carrying Case Export Quality				
75	Dissecting Tray With Wax 8x10" Local	Nos	7		
76	Distillation Assembly Material: Glass Capacity: 1000ml Item Dimensions LxWxH: 19.63x 11.5 x 5.5" Items: Round Bottom Flask 1000ml Still Head With Thermometer Support Spiral Condenser 300mm 24/29 Receiver Adapter 3x Joint Clip 19/26	Nos	5		
77	Distilled Water Di ionized	25 Litter	6		
78	DNA Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	6		
79	Drawing Board One Side Soft With Rubber Sheet Pak or Equivalent 12"x14"	Nos	13		
80	Drawing Board Pins China or Equivalent	Packet	10		
81	Dropper Dropper Glass with rubber teat 3ml China or Equivalent	Nos	50		
82	Dropping Bottle Dropping Bottle are made of LDPE (Low Density polyethylene) with excellent chemical resistance. These dropping bottle can accurately and reliable dispense a variety of reagent. The dropping bottle will repeatedly produce a measured drop, but only when squeezed	Nos	20		
83	Dry Cell With Box 1.5v Toshiba Japan or Equivalent	Nos	12		
84	Electroplating apparatus Hanger with copper plate and	Nos	50		

	iron plate ONE bulb holder wire cell holder dry cells				
85	Emergency Eye Shower Push handle activated wall mounted eye/face wash unit eye/face wash unit are designed and intended to be installed in close range of persons working in potentially hazardous area. The main purpose of these devices is to immediately deliver flushing fluid in sufficient volume to flush the eye following exposure to injurious substances or heat rinses eyes and face with clean water via twin spray nozzles	Nos	2		
86	Eosin Solution pH Value: 0.5 BRANDED	2.5 Ltr	4		
87	Ethanol M= 46.07g/mol Melting Point: 114.5c Boiling Point: 78.3c pH Value: 7 Cas No: 64-17-5 BRANDED	2.5 Ltr	4		
88	Fehling's Solution A&B Prepared Solution	500ML	6		
89	Ferric Chloride M=270.33g/mol Melting Point: 37c Cas No: 10025-77 BRANDED	250g	6		
90	Filter Paper 12.5cm Whatman or Equivalent 12.5cm pack of 100 circle.No. 42	Packet	20		
91	Fire Extinguisher 1KG dry chemical for fire extinguisher 1kg abc squeeze grip cartridge type of 1kg capacity having rating of 3A, 21B fitted with gunmetal cap, co2 gas cartridge and hose with squeeze grip nozzle and supplied complete with initial charge as per IS: 15683 with ISI mark and mounting bracket	Nos	5		
92	Forceps SS 4" Export Quality Stainless Steel	Nos	40		

93	Formalin Melting Point: 15c Boiling Point: 93.96 pH Value: 3-4 Flash Point: 84c BRANDED	2.5 Ltr	6		
94	Free Fall Apparatus Metallic Heavy Complete Set With Pulley	Nos	10		
95	Frog Skeleton Original Bones of Frog 1) Neurocranium 2) Maxilla 3) Mandible 4) Vertebrae 5) Urostyle 6) Scapula 7) Coracoid 8) Sternum 9) Interspinal bone 10) Humorous 11) radio ulna 12) metacarpus 13) phalanges 14) femur 15) tibio fibula 16) tarsus 17) metatarsus 18) phalanges	Nos	10		
96	Fructose M= 180.5g/mol Melting Point: 100-110c Boiling Point: 146c pH Value: 5-6 Cas No: 57-48-7 BRANDED	250g	6		
97	Funnel 4" (Thistle Funnel) Made of borosilicate glass Having thick uniform wall heavy construction for greater mechanical strength and prolonged life with harder 4" Pyrex-Japan or equivalent	Nos	20		
98	Funnel Stand Ring Casted base finishing in blue/black with tapped hole 10x1.5mm metric thread in the center of the one short side base plate size 200mm x 125mm rod height 12x400mm clamp and boss head ring material stainless steel usage application chemical laboratory shape rectangular base shape over all height 490mm rod diameter 14-16mm	Nos	20		

99	Fusion Tube Borosilicate glass length 50mm thickness 3mm	Packet	15		
100	Galvanometer Range 30-0-30 In Foam Packing China or Equivalent	Nos	15		
101	Gas Burner The Burner Tube is made of brass and mounted on pressed steel powder coated base. Base dia. Is 80mm. overall height of burner 130mm burner tube dia. 12mm suitable for LPG/Butane gas with stopcock	Nos	25		
102	Gas Jar Made of heavy glass approx 250ml plastic base and plastic top lid	Nos	40		
103	Gas Jar Lids with hole Made of Pure Plastic Best Quality	Nos	100		
104	Gas Jar Lids without hole Made of Pure Plastic Best Quality	Nos	100		
105	Germination Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		
106	Glass Plates 4x4 5mm side edges Belgium or Equivalent	Nos	60		
107	Glass Prism 2" Pak or Equivalent	Nos	35		
108	Glass Stirrer Heavy 6" one side flat German or Equivalent Glass	Nos	60		
109	Glass Tube 6mm Dia 50cm Length	Nos	25		
110	Glucose M= 198.7g/mol pH Value: 6.7 Cas No: 14431-43-7 BRANDED	250g	6		
111	Glucose Solution 01% 01% Prepared Solution BRANDED	2.5 Ltr	6		

112	Glycerin M= 92.1g/mol Melting Point: 18c Boiling Point: 290c pH Value: 5 BRANDED	2.5 Ltr	6		
113	Graduated Cylinder made of borosilicate glass hexagonal base with spout 50ml Pyrex-Japan or Equivalent	Nos	10		
114	Graduated Cylinder made of borosilicate glass hexagonal base with spout 100ml Pyrex-Japan or Equivalent	Nos	10		
115	Graduated Flask made of borosilicate glass with graduation mark fitted with glass stopper 100ml Pyrex- Japan or Equivalent	Nos	10		
116	Graduated Flask made of borosilicate glass with graduation mark fitted with glass stopper 250ml Pyrex- Japan or Equivalent	Nos	10		
117	Graduated Flask made of borosilicate glass with graduation mark fitted with glass stopper 500ml Pyrex- Japan or Equivalent	Nos	10		
118	Graduated Pipette 10ml Germany or Equivalent	Nos	10		
119	Helical Spring Apparatus With SS Scale & 5x20gm Brass Slotted Weight with pointer Fitted on Metallic Heavy Base Fine Quality Local	Nos	15		
120	High Resistance Box 5000Ω Fitted With Original Eureka Wire, Plug Pattern Type Brass Contact Block in Wooden Case	Nos	10		
121	Horizontal Board Fixed With Three Pulleys Made of Soft Wood With Brass Pulley Metallic Base with screw level,	Nos	20		
122	Human Body System Chart Penaflex 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden	Nos	10		

	Roller and Hanging Thread for wall				
123	Human Brain Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		
124	Human Diaphragm and Intercostal Muscles 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		
125	Human Ear Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		
126	Human Eye Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		
127	Human Kidney Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		
128	Human Skeleton Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	10		

129	Hydraulic Press apparatus Fluid pressure apparatus hydraulic press educational lab equipment's is demonstration the process of transmissibility of fluid pressure. It apparatus consist of the plated cylindrical tubes of different diameters fitted with piston and connected to each others through a tube at their bottom piston have circular disc at the top for loading masses mounted on base	Nos	10		
130	Hydrogen Carbonate Indicator BRANDED	2.5 Ltr	3		
131	Hydrometer Hydrometer for all wine and beer makers with 3 colored scales density, sugar content and potential alcohol degree Range 0.990-1.170 S.G. 0-360 g/l sugar. 0-20% vol. Pot. Alcohol Content. Large Accurate model. Length: 26cm Width: 3.00cm Height: 3.00cm Length: 30.00cm Weight: 0.06Kg	Nos	15		
132	Inclined Plain Metallic inclined plane 16x10cm (length x Width) with pulley 22mm dia hanged to a Metallic base 45x10cm (length x width) provided with linear scale along the inclined plane & a vertical, regular scale fixed to the base.	Nos	10		
133	Inoculation Loop Made of Brass Local	Nos	30		
134	Iodine Crystal M= 253.8g/mol Melting Point: 114c Boiling Point: 185c Cas No: 755-3-56-2 BRANDED	250g	4		
135	Iodine Solution Prepared Solution BRANDED	2.5 Ltr	6		

136	Iron Stand Complete With Boss Head Casted base finish in blue/black with tapped hole 10x1.5mm metric thread in the center of one short side. Base plate size (200mm X 125mm) rod height 12x400mm. Clamp and Boss head China or Equivalent	Nos	10		
137	Keys One Way Brass Pak or Equivalent	Nos	10		
138	Knitting Needle China or Equivalent	Nos	10		
139	Knives China or Equivalent 6"	Nos	10		
140	Lab Coat Fabric made of 100% Cotton Fabric its soft on skin comfortable in both summer and winter, protects against stains, burns, and residue	Nos	20		
141	Laser Light The Laser Beam profiler is a high precision CCD based (for VIS/NIR) device to be used with laser having wavelength between 340nm and 1100nm. Coupled with the Device can be used for quick and accurate characterization of laser. A Laser beam profile is produced to identify spatial characteristics that predict the propagation, quality and utility of laser beam these spatial characteristic include beam width divergence and direction laser beam profiling is important for manufacturer of products that utilize lasers as the core technology	Nos	5		
142	Latex Gloves Nature Rubber Latex Gloves Box – for school lab and other safety purposes. 50 Pair of Latex Gloves Low Protein Lightly Powdered	Box	5		

143	Law of Moment Apparatus (Need to Verify) By simply adjusting weights fitted on a meter stick lever to establish equilibrium, students will observe the law of torque for various centres of rotation, compare clockwise and counter-clockwise torques, measure various lever arms, and calculate torque. Equipment consists of a meter stick, three knife edge clamps and an aluminium support. Supplied with 100g & 200g hooked weight.	Nos	5		
144	LED Indicator Module Pak or Equivalent	Nos	5		
145	Lens Paper Whatman or Equivalent	Nos	15		
146	Lens Stand PP Material with Y Shape iron 2mm x 3"	Nos	10		
147	Light Ray Box Portable Wooden Pak or Equivalent	Nos	12		
148	Light Source Pak or Equivalent	Nos	15		
149	Lime Water Lab Grade	Litter	5		
150	Litmus Solution pH Value: 7 Cas No: 1393-92-6 BRANDED	Litter	5		
151	Litmus Water Prepared Solution BRANDED	2.5 Ltr	5		
152	Low Resistance Box 200Ω Fitted With Original Eureka Wire, Plug Pattern Type Brass Contact Block in Wooden Case	Nos	10		
153	Magnesium Hydroxide M= 485g/mol Melting Point: 600c pH Value: 10.5 Cas No: 1309-428 BRANDED	500g	5		

154	Magnetic stirrer Hot Plate Work plate Dimension [W x D] 184x184mm (7 inch) Work plate material: Glass ceramic Motor type: Shaded pole motor Motor rating input: 15W Motor rating output: 1.5W Power: 1030W Heating output: 1000W Voltage: 100-120/200-240V 50/60Hz Stirring positions: 1 Max. stirring quantity, [H2O]: 10L Max. magnetic bar[length]: 80mm Speed range: 0-1500rpm Speed display: Scale Temperature display" LED Heating temperature range: Room temp.-550°C, increment 5°C Temperature control accuracy: ±10°C Overheating protection: 580°C Temperature display accuracy: ±1°C External temperature sensor: PT1000 (accuracy ±0.2) Hot warning: 50°C Protection class: IP21 Dimension [WxDxH]: 215x360x112mm Weight: 4.5kg Permissible ambient temperature and humidity 5-40°C, 80%RH UK-USA-GERMANY OR EQUIVALENT	Nos	1		
155	Magnifying Glass 75mm with Light China or Equivalent	Nos	15		
156	Match Box Local 100 Sticks	Nos	10		
157	Measuring Jug Polypropylene White Transparent Autoclave able 250ml with handle	Nos	10		

158	Measuring Jug 1000ml Polypropylene White Transparent Autoclave able 1000ml with handle	Nos	10		
159	Mechanism of Enzyme Action chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic /Wooden Roller and Hanging Thread for wall	Nos	5		
160	Meiosis Slide Set Carolina USA or Equivalent	Nos	5		
161	Melting Point Apparatus Temp. Range (deg. Celsius) 350deg C Operation Grade: Automatic Control System : PLC control melting points up to 350 °C. The mounted block is illuminated from below by a lamp fixed in its housing. The aluminum blocks accept three capillary tubes & mercury thermometer. The temperature is regulated by energy regulator fitted to the unit. The lamp provides uniform & shadow less regulator fitted to the unit. UK-USA-GERMANY OR EQUIVALENT	Nos	5		
162	Mendelian Genetics Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
163	Metallic Bob Set of 3 Pcs Set of three different metal shape 25mm dia solid of one each Aluminum, iron, brass. Set of 3 Pcs	Nos	13		
164	Metallic Wire Thickness Dia 0.125mm	Kg	10		

165	Meter bridge Meter bridge and pencil jockey brass end strips so that end errors are negligible supplied complete with pencil jockey along with lead for connecting the four gap bridge has a large and heavy copper strips mounted on a heavy 3/4" thick laminated base of size 45"x4"x3/4" Nine heavy brass terminal lock type are provided to reduce the resistance to a minimum the ends gaps are closed by removeable copper binding pieces which are held in position by the terminal overall dimensions 1.12m x 100mm x 50mm including terminal meter bridge and pencil jockey are suitable for experiments related to resistance experiments including determining the unknown value of resistance the 24 SWG constant wire is stretched along the top of wood meter scale and securely clamped over all dimensions: 1.12m x 100mm x 50mm including terminals	Nos	5		
166	Meter Rod 100cm 1 Meter Long Wooden Local	Nos	20		
167	Methanol M= 32-04g/mol Melting Point: -98c Boiling Point: 64-5c Flash Point: 15.6 Cas No: 67-56-1 BRANDED	Litter	5		
168	Methyl Orange M= 327.34g/mol Melting Point: 300c pH Value: 6.5 Cas No: 547-58-0 BRANDED	10g	5		
169	Methyl Potassium Hydroxide Blue 01% 01% Prepared Solution BRANDED	2.5 Ltr	5		

170	Binocular Eyepiece 5x,10X,15x Achromatic objective 5X 10X 45X (S) Total magnification 25x-675x Stage Round Stage+slide clips 90*90mm Nosepiece triple Condenser Rotating disc diaphragm Focusing Separate coarse and fine adjustment, fine adjustment range 1.4mm-1.8mm Illumination Plan-concave mirror	Nos	2		
171	Microscope Cover Slips 18x18mm China or Equivalent	Packet	10		
172	Microscope Dissecting Total Magnification 20x Eye Pieces Tube Vertical Fixed / Natural Lamp Cross Adjustment 40mm Objective 2x in Foam Packing China or Equivalent Warranty: 2 Years Manufacturer Authorization is required	Nos	5		
173	Microscope Monocular Total Magnification 50x1000x Eye Pieces: 5x10x Objective: 10,40,100x Eye Pieces Tube: Monocular Vertical Tube Illumination: Concave-Plan Reflector. Coarse adjustment range: 50mm Fine adjustment range: 1.8mm-2.2mm Working Stage: 120mmx120mm Optional: Electrical Illumination Stage Attachable Mechanical Stage 110X120mm/ 60X30mm Warranty: 2 Years. Manufacturer Authorization is required	Nos	4		
174	Microscope Slides Pack of 72 Pcs 1x3" China or Equivalent	Packet	10		
175	Mitosis Slide Set Carolina USA or Equivalent	Nos	5		

176	NAND Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the NAND GATE logic conditions.	Nos	10		
177	Needles With Stands Upright Metallic Pak or Equivalent	Nos	40		
178	Nerve Cell Slide Carolina Carolina USA or Equivalent	Nos	5		
179	Neuron Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
180	Nitric Acid Boiling Point: 122c Melting Point: -41c BRANDED	Litter	5		
181	NOR Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the NOR GATE logic conditions.	Nos	10		
182	NOT Gate Module These Universal Digital Logic Gate modules are suitable to verify the digital logics and verification of the truth table. All the relevant digital logic input and output conditions are printed on the board. HI and LO output conditions are shown by Red and Green LEDs. Suitable to verify the NOT GATE logic conditions.	Nos	10		

183	NPN Transistor NPN transistor is the most commonly used bipolar junction transistor, and is constructed by sandwiching a P-type semiconductor between two N-type semiconductors. An NPN transistor has three terminals– a collector, emitter and base. The NPN transistor behaves like two PN junctions diodes connected back to back.	Nos	10		
184	Ocular 19mm diameter eyepieces 10mm linear scale 100division	Nos	2		
185	Sunflower Local	Kg	5		
186	Onion Root Tip Slide Carolina Carolina USA or Equivalent	Nos	5		
187	Optical Bench Made of lasani laminated sheet having size 42" long 6" width fitted wooden meter scale best quality	Nos	10		
188	Optical Bench Made of lasani laminated sheet having size 42" long 6" width fitted wooden meter scale best quality	Nos	10		
189	Organic Waste Can Local Dia 12" length 15"	Nos	10		
190	Oxalic Acid M= 126-07g/mol Melting Point: 101c Boiling Point: 149c pH Value: 1 Flash Point: 15c Cas No: 6153-56-6 BRANDED	250g	2		
191	Pair of Tong Made of Stainless Steel 10 Long	Nos	10		
192	Pan 75mm Pak or Equivalent	Nos	10		
193	Pestle and Morter Made of Porcelaine 150mm	Nos	10		
194	Petri Dish	Pair	10		
195	pH Paper pH 1-14. Roll in Plastic Dispenser German or Equivalent	Packet	10		

196	Phenol Solution M= 94.11g/mol Melting Point: 40.8c Boiling Point: 181.8c pH Value: 5 Flash Point: 85c Cas No: 108-95-2 BRANDED	Litter	2		
197	Phenolphthalein M= 318-32g/mol Melting Point: 263-7c Cas No: 77-09-8 BRANDED	10g	2		
198	Photocell Apparatus Made: Lasani Sheet Size: L45" x W8" D8" Accessories which are included with Photocell Apparatus uA Meter 0.300 Meter Scale Bulb 100watt Photocell Sensor Handle for Sliding Bulb	Nos	2		
199	Photometer Mounted on Wooden/Plastic Base With PTFE Key Stop Cock by clip/ Dia of reservoir 20mmx1mm	Nos	15		
200	Pin Stand PP Material With Iron Pin 2mm x3"	Nos	30		
201	Pipette filler Imported	Nos	20		
202	Pipette stand Made of Acrylic Best Quality for 20 Pipettes Two Acrylic Desk to hold the pipettes and one pc base made in acrylic	Nos	10		
203	Pipettes 10ml Graduated 10ml Pyrex or Equivalent	Nos	25		
204	Pitcher Plant Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
205	Plain Mirror Stand Glass size 2''x4'' Belgium	Nos	40		
206	Plant Pressure Heavy Duty Wooden Finish in Paint Size 45x30cm	Nos	20		

207	Plant Propagation Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
208	Platinum Wire for flame test, fused in two glass handle	Nos	20		
209	PNP Transistor The PNP transistor is a type of transistor in which one n-type material is doped with two p- type materials. It is a device that is controlled by the current. Both the emitter and collector currents were controlled by the small amount of base current. Two crystal diodes are connected back-to-back in the PNP transistor	Nos	10		
210	Polystyrene Cups with cover Pak or Equivalent	Nos	40		
211	Potassium Chloride M= 56g/mol Melting Point: 360c Boiling Point: 1320c pH Value: 14 Cas No: 1310-58-3 BRANDED	500g	6		
212	Potassium Hydroxide M= 56g/mol Melting Point: 360c Boiling Point: 1320c pH Value: 14 Cas No: 1310-58-3 BRANDED	500g	6		
213	Potassium Permanganate M= 158.55g/mol Melting Point: 240c pH Value: 7-9 Cas No: 7722-64-7 BRANDED	500g	6		
214	Powdered Zinc M= 65.37g/mol Melting Point: 420c Boiling Point: 908c Cas No: 7440-66-6 BRANDED	250g	6		
215	Power Supply 12Volt 2Amp DC Local	Nos	10		
216	Protractor China or Equivalent	Nos	10		

217	Pulley Board Stand Size : 14"x18" Lasani Lamination Sheet With Two Pulleys and 10x5=50gm weight plastic base best quality	Nos	10		
218	Pulley S Type Heavy Made of Brass Pak or Equivalent	Nos	13		
219	RD Bottle Borosilicate Glass 25ml Transparent Best Quality	Nos	13		
220	Reagent Bottle Borosilicate Glass 250ml China or Equivalent	Nos	10		
221	Rectangular Glass Slab 3/4" Local	Nos	30		
222	Red Litmus Paper 100 leaves of size 63.5x10mm wide approx. blue colors in plastic case	Packet	15		
223	Reflex ARC Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
224	Resistance Wire Mounted on Wooden Board	Meter	15		
225	Resonance tube apparatus Determine wavelength and velocity of sound can be easily and accurately obtained with this apparatus. Consist of a 90 cm Graduated Plastic Resonating Tube. The end of the tube is connected to an aluminum reservoir which slides along a vertical support rod to raise the water level to any level. the tube is of sufficient length to produce resonances for 1/4, 3/4. and 5/4 wavelength of a 512 VPS tuning fork includes instructions for assembly and use. tuning fork not included	Nos	5		
226	Rheostat Sliding Contact 200 Ohms Mounted in Eureka Wire on Porcelain Pipe With Terminal Brass Metallic Base	Nos	10		

227	Rhizopus and Mushroom Slide Carolina Carolina USA or Equivalent	Nos	5		
228	Round Bottom Distillation Flask Made of Borosilicate glass Iwaki- 250ml Pyrex or Equivalent	Nos	10		
229	Rubber Pad on Wooden base Pak or Equivalent	Nos	15		
230	Rubber Tubing Soft Imported 4mm dia	Nos	10		
231	Safety Goggles Primary protectors intended to shield the eyes against liquid or chemical splash, irritating mists, vapors, and fumes. Form a protective seal around the eyes, and prevent objects or liquids from entering under or around the goggles. Made of Good Quality Plastic	Nos	25		
232	Safety Storage Cabinet Wall Mounted lab storage cabinets made of 0.20mm thick galvanized iron sheets with epoxy powder coated finish . Wall mounted lab storage cabinets with inner horizontal partitions and size: 3 feet length, 4 feet height. Each horizontal partition/shelf will be fitted in about 1 feet gap. complete unit weight 60kg	Nos	2		
233	Sand bath 4" Round Shape Copper Made	Nos	13		
234	Science Lab Stool Stool Structure made of MS Square pipe 1"x1" 18 SWG duly powder coated in thick layer in color with black rubber foot caps for floor safety. Overall height of stool with seat 22" seat made of seasoned ash wood having moisture content up to 12% size of seat plank 12x14"x3/4" slightly curved and hole in the center of seat size 4"x1" finished with lacquer polish	Nos	20		

235	Screw Gauge Range 0-25mm X 0.01mm, Accuracy at 25mm is +/- .003mm with plastic case China or Equivalent	Nos	8		
236	Section of Animal Tissue Slide Carolina Carolina USA or Equivalent	Nos	5		
237	Section of mammalian Kidney Slide Carolina	Nos	5		
238	Semi Circular Glass Slab 3"x2"x3/4" Pak or Equivalent	Nos	15		
239	Semi-Conductor Diode made in wood box 10"x12" Items which are fitted in the box 1: Milli Ammeter 2: Micro Ammeter 3: Transformer 4: Different Diodes	Nos	10		
240	Sexual Reproduction in Plants Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
241	Silver Nitrate M= 169.87g/mol Melting Point: 212c Boiling Point: 444c pH Value: 5.4-6.4 Cas No: 7761-88-8 BRANDED	25g	5		
242	Slide Box Microscopic Slide Box The Slots are well spaced for easy handling of 76x26mm Slide. Each Slot is clearly numbered and can be cross referenced with corresponding index card. Lids are totally removeable. The 100 Slides Box	Nos	10		

243	Slide Box Microscopic Slide Box The Slots are well spaced for easy handling of 76x26mm Slide. Each Slot is clearly numbered and can be cross referenced with corresponding index card. Lids are totally removeable. The 25 Slides Box	Nos	70		
244	Slotted Weight With Hanger Set of 5x10gm 50gm Made of Brass Pak or Equivalent	Set	30		
245	Slotted Weight With Hanger Set of 5x20gm 100gm Made of Brass Pak or Equivalent	Set	10		
246	Small Metallic Sphere 6.5mm to 125mm dia	Nos	10		
247	Small Wooden Bench Local	Nos	10		
248	Smoke Sensor Pak or Equivalent	Nos	10		
249	Soap 85gm Anti-Bacterial	Bars	10		
250	Sodium bi Carbonate M= 105.99g/mol Melting Point: 854c Boiling Point: 1600c pH Value: 11.5 Cas No: 497-19-8 BRANDED	500g	5		
251	Sodium Carbonate M= 105.99g/mol Melting Point: 854c Boiling Point: 1600c pH Value: 11.5 Cas No: 497-19-8 BRANDED	500g	6		
252	Sodium Chloride M= 58.44g/mol Melting Point: 801c Boiling Point: 1461c pH Value: 6-9 Cas No: 7647-14-5 BRANDED	Kg	6		
253	Sodium Hydroxide M= 40.00g/mol Melting Point: 323c Boiling Point: 1390c pH Value: 14 Cas No: 1310-73-2 BRANDED	500g	6		

254	Sodium Metal M= 22.99g/mol Melting Point: 97.8c Boiling Point: 889c Cas No: 7440-23-5 BRANDED	100Gram	2		
255	Sodium Sulfate M= 142.04g/mol Melting Point: 888c pH Value: 4.7 Cas No: 7757-82-6 BRANDED	500g	6		
256	Solid Cylinder Brass Set of 3 Pcs	Set	15		
257	Solid Lead Shots Local	Kg	2		
258	Sonometer Comprising a hollow wooden resonance box, with two meter rules graduated in millimeters, Mounted on top on either side along the length. One each of brass and steel wires of different diameter attached to fixed bridge on one end of the box and tensioned by wrest pins at the other end	Nos	3		
259	Spatula Stainless Steel double ended. Flat blades, polished. Size 150mm Spoon One Side	Nos	40		
260	Specimen Jar 75x150mm China or Equivalent	Nos	10		
261	Spherometer Local	Nos	20		
262	Spirit Lamp Made of Glass 150ml Vick and Plastic Cover With Porcelain Nozzle	Nos	20		
263	Split Cork Rubber Pak or Equivalent	Nos	20		
264	Spring balance Plastic balance made of clear acrylic tube. Each range is color coded for easy identification, and has dual scale graduated in both gs and Newton. The spring mechanism and working of the balance is clearly visible with provision for zero adjustment incorporated at the top. With	Nos	15		

	suspension ring, 1N, 2.5N, 5N, 10N				
265	Stage Micrometer 1x3 slide with linear targets etched into the glass 3 range 10mm / 100 to 0.1mm (100um) scale, 10mm/200 to 0.05mm (50um) scale and 1mm / 100 to 0.01mm (10um) small scale	Nos	10		
266	Standard Resistance 1Ω,2Ω,5Ω, 10Ω Mounted on Plastic Case Local	Set	10		
267	Starch pH Value: 6.0.7 Cas No: 9005-84-9 BRANDED	2.5 Ltr	5		
268	Steel Roller With Suspended Pan Made of Iron Pak or Equivalent Local	Nos	10		
269	Stirrer Copper Pak or Equivalent	Nos	20		
270	Stop Watch Metallic Analogue Analogue Diamond 1/10 Second China or Equivalent	Nos	5		
271	Stopper Cork Local	Nos	50		
272	Strontium Chloride M= 266.62g/mol Melting Point: 61c Boiling Point: 100 pH Value: 5-7 Cas No: 10025-70-4 BRANDED	100g	6		
273	Structure DNA Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		

274	Sudan III Solution M= 352.39g/mol Melting Point: 199c Cas No: 85-86-9 BRANDED	2.5 Liters	4		
275	Sugar White Crystal	500g	6		
276	Sulfuric Acid M= 98.08g/mol Boiling Point: 335c pH Value: 1-2 Cas No: 7664.93.9 BRANDED	Litter	4		
277	Sundew Plant Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	5		
278	Syringe 10ml China or Equivalent	Nos	21		
279	Test Tube Holder Plated spring steel wire holder with finger grip. 40 mm diameter and their alignment maintained by a wire collar. Overall length 16 cm	Nos	15		
280	Test Tube Racks Polypropylene, White /blue color, autoclave able and 6 place racks end supported by 2 columns. In the top plate has 2 holes for holding 25mm dia. Test tubes & four holes to hold 16mm dia. Tubes it has six vertical pin for drying tubes	Nos	10		
281	Test Tubes Borosilicate Glass Heavy Wall, With Rim, With Strong Resistance two heat and chemicals 18x150 Iwaki Pyrex or Equivalent	Nos	50		
282	Thermistor Pak or Equivalent	Nos	10		
283	Thermometer (x2) -10 to 110c With Half Degree Mark Yellow Back Zeal UK or Equivalent	Nos	10		

284	Thermos Flask Capacity 2 Ltr Taiwan or Equivalent	Nos	5		
285	Thistle Funnel Borosilicate Glass 8" Long one side Reservoir	Nos	26		
286	Thread Polyester Pak or Equivalent	Nos	5		
287	Tollens Reagent Prepared Solutions	500ML	2		
288	Transport of Material in Plant Chart 4 Color Printed of 430gm Media Penaflex Sheet 200x300mm, Fitted Heavy Plastic/Wooden Roller and Hanging Thread for wall	Nos	3		
289	Transverse Section of Artery, Vein and Capillary Slide Carolina Carolina USA or Equivalent	Nos	3		
290	Transverse Section of Human Small Intestine Slide Carolina Carolina USA or Equivalent	Nos	3		
291	Transverse Section of Leaf, Root, Steam of Brassica Carolina Slide Carolina USA or Equivalent	Nos	3		
292	Transverse Section of Mammalian Air Sacs Carolina Slide Carolina USA or Equivalent	Nos	3		
293	Transverse Section of Woody Carolina Slide Carolina USA or Equivalent	Nos	3		
294	Tripod Stand Round Circle Shape Having 3 Legs Height 7" Made of Steel	Nos	10		
295	Trypsin pH Value: 7.5-9 Cas No: 9002-07-7 BRANDED	2.5 Liters	3		
296	Tuning Fork Aluminum Tuning Forks	Nos	8		
297	Vernier Caliper 150mm 6" SS Body in 0.01mm With Plastic Case China or Equivalent	Nos	4		

298	Vinegar 40% Solution	Litter	6		
299	Voltmeter Double Range 0-5V/0.3V Bench Type Packed in Foam China or Equivalent	Nos	5		
300	Wash Bottle Polyethylene, Translucent and unbreakable. Cap fitted with flexible polyethylene delivery tube 500ml	Nos	10		
301	Watch Glass 3" Dia Polished with ground edges Pak or Equivalent	Nos	45		
302	Water Condenser Spiral Coil Reflex Size 24/29 Length	Nos	10		
303	Water Trough Made of Heavy Glass Round shape approx 10" dia	Nos	18		
304	Wax Local Pak or Equivalent	Kg	5		
305	Weight Box With Fractional Weights China or Equivalent in plastic case	Nos	10		
306	White Paper A4 Size A4 Size 80Gm AA or Equivalent Imported	Rim	10		
307	Wire Gauze Aborted 6" G.I Wire Ceramic Centre Extra Strong Quality in Square Size 12x12	Nos	40		
308	Wolf's Bottle Borosilicate Glass Two Hole in top of Bottle 250ml Approximately	Nos	30		
309	Wooden Block Local Pak or Equivalent	Nos	36		
310	Wooden Stands Having V- Shape Top Made of Shesham Wood	Nos	20		
311	Wooden Wedge Having Sharp Blade 3" Local	Nos	30		
GRAND TOTAL					

Grand Total in Words: _____

Official Seal/ Name of the Company:

NTN No: _____

GST No: _____

Section IV
Form of Quotation

Date: _____

To: Project Director,
PIU IFRAP (Component-I),
H. No. 10-A, Service Road, opposite FIA Office, Samungli road, Jinnah Town, Quetta,
Balochistan.

We offer to execute the supply of Science Lab Equipment's RFQ reference no (PK-PIU-IFRAP-CIR-455804-GO-RFQ) in accordance with the Conditions of Contract accompanying this Quotation for the Contract Price of (In Words) _____

(In numbers)_____.

We propose to complete the Supplies described in the Contract within a period of _____ words and number _____ calendar days from the Start Date.

This Quotation and your written acceptance will constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.

We hereby confirm that this Quotation complies with the Validity of the Quotation required by the proposal documents.

Authorized Signature:_____

Name and Title of Signatory_____

Name of Supplier: _____

Address: _____

Phone Number _____

Fax Number, if any _____

Section V
Form of Contract Agreement

AGREEMENT

This Agreement, made the _____ day of _____ 20____, by and between

(name and address of Purchaser hereinafter called “the Purchaser”) and

(name and address of Supplier hereinafter called “the Supplier”) of the other part.

Whereas the Purchaser is desirous that the Supplier execute supplies, installation and commissioning of _____

(name and identification number of Contract hereinafter called “the Supplies”)

and the Purchaser has accepted the Quotation/Quotation submitted by the Supplier for the installation and commissioning of such Supplies and the remedying of any defects therein over a warranty period of at least one year after supply.

Now this Agreement witnesseth as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to execute and complete the Supplies and remedy any defects therein in conformity in all respects with the provisions of the Contract.

3. The Purchaser hereby covenants to pay the Supplier in consideration of the supply, installation and commissioning of the Supplies and the remedying of defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties thereto have caused this Agreement to be executed the days and year first before written

The Common Seal of

was hereunto affixed in the presence of:

Signed, Sealed, and Delivered by the
said

in the presence of :

Binding Signature of Purchaser:_____

Binding Signature of Supplier:_____

Section-VI

Conditions of Contract (CC)

Definitions: Boldface type is used to identify the defined terms

(a) **The Contract** is the Contract between the Purchaser and the Supplier to execute, complete, and maintain the Supplies as specified in the specifications or in other sections of the Contract. The name and identification number of the Contract is given in the Invitation to Quote.

(b) **The Supplier** is a person or corporate body whose Quotation to carry out the Supplies has been accepted by the Purchaser.

(c) **The Supplier's Price Quotation** is the completed document (Invitation to Quote together with attachments) submitted by the Supplier to the Purchaser.

(d) **The Contract Price** is the price stated in the Quotation and thereafter as adjusted in accordance with the provisions of the Contract.

(e) **Days** are calendar days; **months** are calendar months.

(f) **A Defect** is any part of the Supplies not completed in accordance with the Contract.

(g) **The Required Completion Date** is the date on which it is required that the Supplier shall complete the Supplies. The Required Completion Date may be revised only by the Purchaser by issuing an extension time or an acceleration order in writing.

(h) **Specification** means the Specification of the Supplies included in the Quotation and any modification or addition made or approved by the Purchaser.

2. **Language and Law.** The Contract shall be in the English language. The law governing the Contract shall be the applicable law(s) of the Government of Islamic Republic of Pakistan.

3. **Communications.** Communications between parties that are referred to in these Conditions shall be effective only when made in writing. A notice shall be effective only when it is delivered.

4. **Supplier's Risks.** The risks of personal injury, death, and loss or damage to property and adjacent property (including, without limitation, the Supplies, materials and equipment) are Supplier's risks.

5. **Supplies to be completed by the Completion Date.** The Supplier shall commence execution of the Supplies on the Start Date and shall carry out the Supplies in accordance with the given work schedule, as updated with the approval of the Project Supervisor, and complete them by the Required Completion Date. Supplies will be delivered at Schools destination throughout Balochistan

6. **Defects.** The Purchaser shall give notice to the Supplier of any Defects before the end of the Warranty Period, which begins at completion of supplies. The Warranty Period shall be extended for as long as Defects remain uncorrected. Every time notice of a Defect is given, the Supplier shall correct the notified Defect within the length of time specified by the Purchaser. If the Supplier has not corrected a Defect within the time specified Purchaser will assess the cost of having the Defect corrected, and the Supplier will pay this amount, or the Purchaser shall recover these amounts by deduction from the amounts due to the Supplier.

7. **Payments.** The Purchaser shall pay the Supplier the amounts as per following schedule:

- (ii) **On Acceptance:** 100 percent of the Contract Price shall be paid within fifteen (15) days of receipt of the Goods and upon submission of claim supported by the acceptance certificate issued by the Purchaser

8. **Taxes.** The Supplier is responsible for all taxes in accordance with the laws of Islamic Republic of Pakistan.

9. **Force Majeure:** Either party may terminate the Contract by giving a thirty (30) days notice to the other for events beyond that party's control, such as Wars and acts of God such as earthquakes, floods, fires, etc.

10. **Resolution of Disputes.** The Purchaser and the Supplier shall make every effort to resolve amicably by direct negotiations any disagreement or dispute arising between them under or in connection with the Contract. In case of further disagreement either party can take the matter to arbitration in accordance with the Arbitration Act of 1940.

11. **Packing.** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

Purchase Order Format

No.

Dated:

To,

Subject:-

Reference to RFQ No. dated. It is to inform you that your price quotation No._____ dated_____ for the supply of the subject goods has been approved by the Committee after thorough Evaluation on the basis of your Technical and Financial bids evaluation and review of quoted samples, for an amount of **PKR XXXXX (In workds)** as per terms & Conditions described in Attachment-I to this purchase order.

Terms and Conditions of Supply

1. Prices and Schedules for Supply

S.No	Description	Specification	Quantity	Unit Rate	Total Cost
1					
2					
3					
4					
Total In Words:					

2. **Fixed Price:** The prices indicated above are firm, fixed and are DDP prices and not subject to any adjustment during contract performance.
3. **Delivery Schedule/Date:**
4. **Payment:** for your invoice will be made 70% against delivery of equipment, while remaining within working days after installation
5. **Warranty:** Goods offered should be covered by manufacturer's warranty for at least 12 months from the date of delivery to the Purchaser or the terms provided by you whichever is more favorable to Purchaser, If applicable.
6. **Packaging and Marking Instructions:** Not Applicable
9. **Failure to Perform:** The Purchaser may cancel the Purchase Order if the Supplier fails to deliver the Goods, in accordance with the above terms and conditions, in spite of a 21 day notice given by the Purchaser, without incurring any liability to the Supplier.

General Terms & Conditions:

- (g) Any Deviation from the specification mentioned in RFQ shall be deemed as violation of this document and may result in cancellation of Purchase Order, even if the product required has been delivered.
- (h) The samples provided for review by the vendor will remain in custody of BHCIP until the final delivery. However, the vendor may deduct the quantity of items as per provided samples.
- (i) No Claim or Escalation on any account shall be admissible under this Purchase Order.
- (j) Payment will be made on satisfactory delivery of supplies (complete in all respect) in PKR through Cross Cheque on Company/Firm Name, within 20 days against submission of Invoice.
- (k) Income Tax and GST shall be deducted from the invoice at time of payment at source.
- (l) In case the supplies are delayed, BHCIP will impose fine (Liquidated damages) of @ 0.5%/Day of the total contract price for each day of delay / for late completion of work, and if the fine reaches 10% of the total PO amount, the PO will be cancelled, and the firm may not be allowed to participate in future RFQ.
- (m) The bidder shall warrant BHCIP that the Goods supplied by the offeror under the award are brand new, as per approved specifications.

Project Director

Acceptance by Vendor:

Signature & Stamp: _____

Name: _____

Contact No.: _____

Date: _____