



# ৰবীন্দ্রনাথ ঠাকুর বিশ্ববিদ্যালয় Rabindranath Tagore University

Hojai-782435, Assam, India

Phone – 03674-295004(O), 7086031120(M)

website – [www.rtuassam.ac.in](http://www.rtuassam.ac.in) : : email – [rabindranathtagoreuniversity@gmail.com](mailto:rabindranathtagoreuniversity@gmail.com), [rturegistrar0@gmail.com](mailto:rturegistrar0@gmail.com)

Ref. No. RTU/Quotation/3077

Date: 07-05-2024

## NOTICE INVITING QUOTATION

The undersigned invites sealed quotation from Recognize/Authorised Agency/Distributor/Supplier for purchase of Equipments, Glassware, Biological Specimen, Chemicals, Apparatus and Non-Consumable items for Science Department(Botany, Chemistry, Physics & Zoology) of Rabindranath Tagore University, Hojai as per bid form/ quotation form enclosed herewith.

### Terms and Conditions:

- (1) Quotation along with self attested photo copy of PAN card, GST registration No. (If applicable) must be reach the Office of the Registrar of Rabindranath Tagore University, Hojai, Assam, PIN-782436 on or before 2:00 P.M. of 17/05/2024.
- (2) Quotation must be type on company/ Agency's own Letterhead.
- (3) Quotation must be sent in properly sealed envelope with super scribing on the top of the cover "Quotation for supply of Laboratory Items"
- (4) Any Quotation without the above required documents/information shall not be entertained.
- (5) Door step delivery without extra cost is a must.
- (6) Payment will be made only after the receipt of all ordered items.
- (7) An order is liable to be cancelled during the whole process up to the final payment if any documents attached is found defective in course of time or the supply is not satisfactory.
- (8) The decision of Purchase Committee is final and reserved the right to accept or reject any quotation as a whole or part thereof without showing any reason.
- (9) The quotation must reach the undersigned (Offline) before 2:00 P.M of 17-05-2024. The Quotations will be opened at 2:30 P.M of the same day where the bidders are allowed and invited to participate.

(T. C. Kalita)  
Registrar i/c  
Rabindranath Tagore University  
Hojai-782436 ( Assam)

যত্ন বিশ্বম্ ভবত্যেক নীড়ম্



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The following instruments are of common interest of Department of

**Botany, Chemistry, Physics & Zoology**

1. FTIR (Fourier Transform Infrared Spectroscopy)
2. Fluorescence Spectrophotometer
3. HPLC (High performance Liquid Chromatography)
4. Refrigerated Centrifuge
5. High Precision Balance
6. Lyophilizer

## BID FORM/QUOTATION FORM

1. Name of Bidder:
2. Address of Bidder :
3. Registration
4. GST No:
5. PAN No:
6. Quoted Rate:

### INSTRUMENTS:

Sl. No	Items Name	Name of manufacturer	Specification	Rate per Unit
1				
2				

Signature of Bidder

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## DEPARTMENT OF BOTANY

### **List of Equipment, glassware Biological Specimen and chemicals (EQUIPMENTS)**

1. Vortex- 1ps
2. Gel Electrophoresis Apparatus (Vertical)- 1Ps
3. Gel Doc XR+ Gel documentation system with Analysis software (BIO-RAD)-1ps
4. UV Spectrophotometer-1Ps  
(ALM-2900 Double Beam touch screen UV-VIS-Spectrophotometer with Software, Wave length-190-1100nm)
5. Deep Freezer (-20 Degree Celsius)-1PS  
(Remi Group- Model-RQV-200 Plus, Internal Volume-200L,  
External Dimention -800x975x1020)
6. Orbital Shaker (Magnetic)- 1ps
7. P-2 adjustable micropipette- 2ps
8. Centrifugal vaccum concentrator with glass lid, 1.5ml (14000xg)-1ps  
(Thermofisher)
9. PCR Machine (Thermal cycler Machine)-1ps  
(96 Well PCR 0.2ml Model-Ig-96GEP, IGene Lab/ Thermofisher)
10. Camera Lucida (Prism Type)- 4ps
11. Trinocular Microscope fitted with CCD camera-3ps
12. Compound microscope (Micromax)-10ps
13. Fermenter (Stainless steel)-1ps  
(Capacity 50 Litre/hour, P.M. industries)
14. Column Chromatography Apparatus- 1ps
15. Hot Water Bath- 1ps  
(5-100 Degree, 230 Vac. Capacity-1-20L)
16. Magnetic stirrer with Hot plate- 1Ps  
(Labline, Dimention-165x230x110,3000ml water quantity)
17. Magnetic Stirring Bar -1ps
18. Micropipette- MPV5- 100-1000ul-1ps, MPV3- 10-100ul-1ps and MPF10-1000ul-1ps
19. Incubator (General)- 28 L-1ps
20. Soxhlet Extraction unit with heating mental (500ml Capacity)-1ps  
(Borosilicate Glass)
21. Mortar and pestle (Ceramic)-1ps

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22. Autoclave (Capacity 25L)-1ps
23. Hot Air Oven-1ps

(2)

## (EQUIPMENTS)

24. Digital analytical balance (Microgram)- 1ps
25. Glass Shelves for Samples- 3ps

(N.B. Equipment Installation, demonstration and warranty card inclusive.)

## (LIST OF LABORATORY CHEMICALS)

1. Ethidium Bromide- 50gm
2. Agarose powder- 50gm-2ps
3. 6x DNA loading dye- 5mlx5ps
4. Sodium Dodecyl sulfate (ultrapure)- 500gm
5. Sodium Chloride- 500gm
6. Tris HCL- 500gm
7. EDTA disodium salt dihydrate-500gm
8. Phenol solution (Equilibrated with 10mM Rris HCL pH 8.0 with 1mM EDTA) -500ml
9. Chloroform: Isomylalcohol (24:1) 500ml
10. 2-Propanol – 50mlx4ps
11. Tris (hydroxymethyl) aminomethane- 500gm
12. STE Buffer- 1 Litre
13. Acrylamide- 100gm
14. N, N methylene bis acrylamide -50gm
15. N,N, N,N- TetramethylEthylenediamine (TEMED) -100ml
16. B-Mercaptoethanol-25gm
17. Bromophenol Blue- 5gm
18. Ethylenediamine tetra-acetic acid (EDITA)-500gm
19. Cetyltrimethyl ammonium bromide (CTAB)-100gm

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20. Nonyl Phenol Ethoxylates (IGEPAL)-100gm
21. Glycine powder-100gm
22. NP-40 Lysis Buffer- 500ml
23. 10X Tris glycine Buffer-500ml
24. CETAB Extraction Buffer- 1 Litre

(3)

## (LIST OF LABORATORY CHEMICALS)

25. 1X TE Buffer- 1 Litre
26. EGTA- 100gm
27. Spermine- 250mg
28. Spermidine- 5 gm
29. 5X PCR Buffer- 500ml
30. Agar powder-500gm
31. Sodium alginate- 500gm
32. Murashige& Skoog Medium with calcium chloride, Vitamin & MES- 50 No.
33. Absolute alcohol- 500ml- 10 Bottles
34. Distilled water- 30litres
35. Rectified Spirit- 10 Litres
36. Formaldehyde- 5 Lirtes
37. Giemsa Stain -10gm
38. Carmine powder-50gm
39. Orcin powder- 10gm
40. Colchicine -10gm
41. Ethyl methyl sulfonate (EMS)- 10gm
42. Methyl Ethyl Sulfonate (MES) -10gm
43. Acetic Acid glacial- 500ml- 4 litres
44. Glycerin- 100ml
45. D.P.X.- 500ml
46. 1 kb Ladder DNA for electrophoresis- 1 unit
47. 10-180 kdaprestained protein ladder- 500 microlitre
48. Methalonic KOH-500ml
49. n-Butanol-500ml- 2ps

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50. Ninhydrin Powder- 50gm
51. Charcoal Powder- 500gm
52. Phenopthalene- 100ml
53. Ethyl ether- 500ml- 2ps
54. Calcium Carbonate- 500gm
55. Sodium thiosulphate -500gm
56. Barium hydroxide- 500gm
57. Zinc Sulphate- 500gm
58. Anhydrous disodium hydrogen orthophosphate-500gm
59. Hydrated disodium hydrogen orthophosphate 12 H<sub>2</sub>O-500gm
60. Potassium iodide-100gm
61. Sodium carbonate- 500gm
62. Copper sulphate-500gm
63. Sodium Potassium tartarate-500gm

(4)

**(LIST OF LABORATORY CHEMICALS.)**

64. Sodium hydroxide-500gm
65. Sodium sulphate-500gm
66. Sodium bicarbonate—500gm
67. Hydrochloric Acid (Concentrated)- 500ml
68. Potassium hydroxide-500gm
69. Acetone-500ml
70. Xylene-500ml
71. Petroleum Ether-500ml-2ps
72. Diethyl Ether-500ml-2ps
73. Methanol-500ml
74. Silica gel -250gm
75. TLC plate -5ps
76. Diphenylamine-500gm
77. Manganese sulphate- 250gm
78. Salicylic Acid-250ml
79. Potassium iodate-50gm
80. Aniline blue- 200ml
81. Sodium thiosulphate pentahydrate-500gm

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82. Triton X-100 100ml
83. Ammonium orthomolybdate  $\{(NH_4)_2MoO_4 \cdot 2H_2O\}$  - 500gm
84. Ammonium heptamolybdate  $\{(NH_4)_6Mo_7O_{24} \cdot 4H_2O\}$ - 500gm
85. Sodium arsenate  $(AsHNa_2O_4 \cdot 7H_2O)$ - 500gm
86. Alkali-iodide-azide Reagent- 200ml

## **(LIST OF LABORATORY GLASSWARES ETC.)**

1. Microscopic Slides - Borosilicate -20 Pkt
2. Microscopic Cover glass – Borosilicate (Square shape)-10pkt
3. Microscopic Cover glass - Borosilicate (Round Shape)-10pkt
4. Microscopic Cover glass – Borosilicate (Rectangular Shape)-2pkt
5. Borosilicate Petridishes- 30ps
6. Borosilicate Glass Tissue grinder- 2ps
7. Cubette for Spectrophotometer- 5ps
8. BorosilFlask-250ml-5ps
9. BorosilFlask-500ml-5ps
10. BorosilFlask-1000ml- 3ps
11. BorosilBeaker-250ml- 15Ps
12. BorosilBeaker-500ml- 7ps

(5)

## **(LIST OF LABORATORY GLASSWARES ETC.)**

13. Borosil Beaker-100ml-3ps
14. 50ml Screw cap tube-2ps
15. 5ml Polypropylene microcentrifuge tubes-10ps
16. 50 ml Polyvenyl tube—5ps
17. Microcentrifuge tube rack-2ps
18. Glass Pasteur Pipette with Hook-2ps
19. Rubber gloves-10 Pairs
20. Heat resistant Silicone mitts-2ps
21. Spatula -2ps
22. Automizer (Glass)-1ps
23. Wire Loop- 5ps

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## **(LIST OF LABORATORY SPECIMEN AND SLIDES)**

1. Permanent slides for mitosis -10ps
2. Permanent Slides Meiosis-10ps
3. Permanent Plant Embryology slides-10ps
4. Permanent slides Meristematic tissue-5ps
5. Chlorella Sp. (Algae)– 10 bottles
6. VolvoxSp. (Algae)– 10 bottles
7. OedogoniumSp. (Algae)– 10 bottles
8. VaucheriaSp. (Algae)– 10 bottles
9. Diatoms Sp. (Algae)– 10 bottles
10. EctocarpusSp. (Algae)– 10 bottles
11. LamanariaSp. (Algae)– 10 bottles
12. BatrachospermumSp. (Algae)– 10 bottles
13. PolysiphoniaSp. (Algae)– 10 bottles
14. Erysiphae Sp. (Fungi)– 10 bottles
15. Claviceps Sp. (Fungi)– 10 bottles
16. Xylaria(Fungi)– 10 bottles
17. Ustilago(Fungi)– 10 bottles
18. Puccinia(Fungi)– 10 bottles
19. Colletotrichum(Fungi)– 10 bottles
20. Alternaria(Fungi)– 10 bottles
21. Cercospora(Fungi)– 10 bottles
22. Helmenthosporium(Fungi)– 10 bottles
23. Penicillium(Fungi)– 10 bottles
24. Marchantia sp. (Bryophyte)- 10 Bottles
25. Anthoceros- (Bryophyte)- 10 Bottles
26. Sphagnum(Bryophyte)- 10 Bottles

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## BID FORM/QUOTATION FORM

1. Name of Bidder:
2. Address of Bidder:
3. Registration
4. GST No:
5. PAN No:

6. Quoted Rate:

### INSTRUMENTS/GLASSWARE FOR BOTANY :

Sl. No	Items Name	Name of manufacturer	Specification	Rate per Unit
1				
2				

Signature of Bidder

### CHEMICALS FOR BOTANY:

Sl. No	Items Name	Name of manufacturer	Grade	Rate per Unit
1				
2				

Signature of Bidder

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### CHEMICALS REQUIREMENTS FOR THE DEPARTMENT OF CHEMISTRY

SL No.	NAME	SL No.	NAME
	SPANDS reagent	47	Amino benzoic acid
2	Chloroform	48	Benzoin
3	Formalin	49	Orthophenyl amine
4	Formaldehyde	50	Manganous sulphate
5	Fehling solution (A&B both)	51	Silver sulphate
6	Ammonium molybdate	52	Mercury sulphate
7	Ethanol	53	Ferriin indicator
8	Acetone	54	Potassium hydrogen di-iodate
9	Iodine	55	Sodium hypochlorite
10	Tollin's reagent	56	Iodine tincture
11	Sodium Hydroxide solution	57	Ammonium bi-floride
12	Sodium Hydroxide pellets	58	Ammonium Chloride
13	Ferric Chloride	59	Methyl red
14	Hydroquinone	60	Methyl orange
15	Quinhydrone	61	Malachite green indicator
16	Cu-turning	62	Silver nitrate
17	Aluminium sulphate	63	Diethyl ether
18	Ferrous sulphate	64	Oxalic acid
19	Copper sulphate	65	Cobalt Nitrate
20	Potassium Oxalate	66	Nessler's reagent
21	Conc. NH <sub>3</sub>	67	Dithizone
22	Glacial Acetic Acid	68	Bromin water
23	Nickel Chloride	69	Bromin Conc.
24	Hydrogen peroxide	70	Benzyl dehyde
25	Ethylene Diamine TetraAcetic Acid Disodium Salt (EDTA)	71	Grame iodine
26	Erochrome Black T	72	Glycine
27	Zinc nitrate hexahydrate	73	Butane
28	Polyvinyl pyrrolidone	74	Mercurius Nitrate
29	Graphite powder	75	Carbon tetrachloride
30	Orthophosphoric acid	76	Amonia solution
31	Sodium thiosulphate	77	Sulfanilamide
32	Sodium sulphate anhydrous	78	Griess reagent
33	2,6-dichlorophenol-	79	N-(1-Naphthyl)ethylenediaminedihydrochloride

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SL No.	NAME	SL No.	NAME
	Indophenol		
34	Ascorbic acid	80	Sulfanilic acid
35	Starch	81	Potassium nitrate
36	Glucose	82	Sodium nitrite
37	Cellulose	83	Calcium sulphate
38	Ammonium Oxalate	84	Diphenylamine
39	Lead acetate	85	Phosphomolybdate
40	Wagner's reagent	86	Hydrazine
41	Alkali Blue	87	Disodium hydrogen phosphate
42	Potassium dihydrogen phosphate	88	Soil moisture test kit's
43	Acetic anhydride	89	Cupric sulphate
44	Ammonium bisulphate	90	Alizarin
45	Thiosulphate	91	Sodium acetate
46	Amino acid kit's	92	Sodium fluoride
93	Hydrated aluminium nitrate	137	Cetyl Alcohol
94	1,10-phenanthroline	138	Polystyrene
95	Barium chloride	139	PLGA
96	Mercury chloride	140	Lactic acid
97	Stannous chloride	141	Betaine
98	Potassium iodate	142	Span 80
99	n-hexane	143	Tween 80
100	Dichloromethane	144	Methylene blue
101	Petroleum ether	145	Methyl Red
102	Benzene	146	Bisphenol A diglycidyl ether
103	n-butylalcohol	147	Hexamethylene diisocyanate
104	Ethyl acetate	148	N,N'-Methylenebisacrylamide
105	Tetrahydrofuran	149	Divinyl sulfone
106	Dimethylformamide	150	Ethyleneglycol dimethacrylate
107	Dimethylsulfoxide	151	Transglutaminase:
108	Methanol	152	Tetrahydro furan (THF)
109	Acetonitrile	153	Cellulose acetate
110	Benzaldehyde	154	Starch
111	m-hydroxybenzaldehyde	155	Gelatin
112	p-hydroxybenzaldehyde	156	Polyurethane
113	Venilin	157	Polymethyl Methacrylate (PMMA)
114	o-chloronitrobenzene	158	Polypropylene (PP)

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115	p-chlorobenzoic acid	159	ortho dianisidine
116	o-cresol	160	Chlorodiethylphosphite (DEP-Cl)
117	Silica Gel	161	2-Chloro-4,4,5,5-tetramethyl-1,3,2-dioxaphospholane (TMDP-Cl)
118	Sodium do decyl sulphate	162	Cyclohexanol
119	CTAB	163	Deuterated Chloroform (CDCl <sub>3</sub> )
120	Stearic Acid	164	Pyridine/Deuterated Chloroform (Pyridine/CDCl <sub>3</sub> )
121	Cellulose acetate	165	Imidazole:
122	Titanium dioxide	166	pectin, 2-hydroxyethyl methacrylate (HEMA)
123	Zinc oxide	167	vinyl phosphonic acid (VPA)
124	Chitosan	168	Glucose
125	Poly vinyl alcohol	169	Glucose oxidase
126	Guar gum	170	Poly vinyl acetate
127	Sodium alginate	171	Dichloromethane
128	Calcium Chloride	172	n-hexane
129	Borax	173	Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)( PEDOT PSS)
130	Sodium borohydride	174	Propyl Carbonate
131	Silver nitrate	175	Neodimium Oxide
132	Choline chloride	176	Lanthanum Oxide
133	Urea	177	Poly vinyl chloride
134	Glycerol	178	Poly vinyl Phenol
135	Malonic acid		
136	Ethylene glycol		

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2				

Signature of Bidder

### INSTRUMENTS FOR CHEMISTRY :

Sl. No	Items Name	Name of manufacturer	Specification	Rate per Unit
1				
2				

Signature of Bidder

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# ৰবীন্দ্রনাথ ঠাকুর বিশ্ববিদ্যালয় Rabindranath Tagore University

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## APPARATUS AND INSTRUMENTS REQUIRMENTS FOR CHEMISTRY

SL No.	NAME		QUANTITY
1	TLC plate	41	pH Meter
2	Round bottom flask (25ml, 50ml ,100ml & 250ml)	42	Conductivity meter
3	Micro burette	43	Colorimeter
4	Volumetric flask (50ml, 100ml)	44	Bomb Calorimeter
5	Conical flask (10ml, 50ml, 100ml)	45	Aniline Point Apparatus
6	Beaker (10ml, 50ml)	46	Flash Point Apparatus
7	High Quality water testing kit's	47	Mechanical Balance
8	High Quality soil testing kit's	48	Magnetic Stirrer
9	Cork (small ,medium & large)	49	Heating Plate
10	Weight bottle	50	Heating Mantle
11	Funnel	51	Vortex mixture
12	Micro pipette (with extended glass nip)	52	Ultrasonicator
13	Fluoride test kit's		UV Chamber
14	Nitrate, Phosphate test kit's	53	UV Lamps
15	Magnetic Stirrer	54	Thermostatic water bath
16	Sonicator test kit's	55	Mechanical Shaker
17	Cuvette	56	Soxhlet
18	Whatman's filter paper (Paper Chromatography)	57	Incubator
19	Formalin test kit's	58	BOD Incubator
20	Petri dish (Small, Medium & Large)	59	Incubator Shaker
21	Falcon tube	60	Milipore Water System
22	Test tube brush	61	Table top centrifuge
23	p <sup>H</sup> paper	62	Brockfield Viscometer
24	Turmeric paper	63	Hydrometer
25	Cork borar	64	TDS meter
26	Watch glass	65	Aniline Point Apparatus

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27	Sonicator		
28	Magnetic stirrer with hot plate		
29	Autoclave		
30	Soxhelt apparatus-(with 500ml RB flask)		
31	Column		
32	Iron stand(to hold column)		
33	Weatman's filter paper (No-1)		
34	RB flask holder		
35	Column holder		
36	Magnet catcher		
37	Magnetic bead (small/medium)		
38	RB flask		
40	Reflux condensers		

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## LIST OF APPARATUS FOR PHYSICS DEPARTMENT:

Sl.no	Name of Apparatus	Quantity	Price per unit (expected range)
1	Newton's Ring apparatus (source not required)		
2	Melde's experiment (To determine the frequency of an electric tuning fork by and verify $\lambda^2 - T$ law.)		
3	Sodium light source with transformer		
4	DSO(digital CRO)—100Mhz (2 channel)		
5	Function generator digital ---10Mhz (HTC 0.1 Hz-10 MHz Function Generator)		
6	Solar cell characteristics apparatus		
7	Glass Biprism (only)		
8	Distortion factor meter		
9	Measurement of time period, frequency, average period using frequency counter. (Kusam Mecro KM 3165 Frequency Counter 0.01Hz-2.4GHz)		
10	Spectrometer with prism and source		
11	Thermocouple set--To study the variation of Thermo-emf with Difference of Temperature of its two Junctions.		
12	Thermocouple--To record and analyze the cooling temperature of a hot object as a function of time using a thermocouple and suitable data acquisition system.		
13	Demonstration training module on a) Solar energy, wind energy. b) Conversion of vibration to voltage using piezoelectric materials. c) Conversion of thermal energy into voltage using thermoelectric modules.		

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14	To verify the Thevenin and Norton theorems.		
15	To verify the Superposition, and Maximum power transfer theorems.		
16	Measurement of Planck's constant using black body radiation and photo-detector.		
17	To determine the Planck's constant using LEDs of at least 4 different colours.		
18	Platinum Resistance Thermometer --To determine the Temperature Coefficient of Resistance.		
19	555 Timer IC --To design an astable/mono multivibrator of given specifications		
20	To build Flip-Flop (RS, Clocked RS, D-type and JK) circuits using NAND gates.		
21	To build JK Master-slave flip-flop using Flip-Flop ICs		
22	To determine the ionization potential of mercury.		
23	To determine the value of e/m by (a) magnetic focusing or (b) bar magnet		
24	To determine the wavelength of laser source using diffraction of single slit.		
25	To determine the wavelength of laser source using diffraction grating.		
26	To study the zero-crossing detector and comparator.		
27	To study the analog to digital convertor (ADC)		
28	To design a digital to analog converter (DAC)		
29	To study the frequency response of voltage gain of a RC-coupled transistor amplifier		
20	To investigate the use of an op-amp as an Integrator.		
21	To investigate the use of an op-amp as a Differentiator		
22	To study the Colpitt's oscillator.		
23	To design a phase shift oscillator of given specifications using BJT.		

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24	To draw the <b>B-H</b> curve of Fe using Solenoid & determine energy loss from Hysteresis.		
25	To measure the Dielectric Constant of a dielectric Materials with frequency using PARALLEL PLATE CAPACITOR.		
26	To study the reflection, refraction of microwaves.		

## BID FORM/QUOTATION FORM

1. Name of Bidder:
2. Address of Bidder :
3. Registration
4. GST No:
5. PAN No:
6. Quoted Rate:

## INSTRUMENTS FOR PHYSICS :

Sl. No	Items Name	Name of manufacturer	Specification	Rate per Unit
1				
2				

Signature of Bidder

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## **DEPARTMENT OF ZOOLOGY**

### List of Requirements of non consumable items

#### Name

1. Research microscope (trinocular) with monitor
2. Phase contrast microscope with monitor
3. PCR (Thermal Cyclers)
4. Autoanalyser for blood chemistry
5. DO meter
6. TDS meter
7. Ion meter
8. Turbidity meter
9. Permeability meter
10. Magnetic stirrer
11. Atomizer
12. Moisture meter
13. ORP meter
14. Hot air oven
15. Manual cell counter
16. Hameocytometer
17. Haemometer
18. Gel DOC
19. Dissecting microscope
20. Insect Cabinet
21. Insect net (aerial)
22. Plankton net
23. Aquatic insect net
24. Spirit lamp

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## List of Requirements of consumable items

(Chemicals, Glassware etc.)

1. Entomological pin
2. Glass slides
3. Cover slips
4. Petri dishes (large)
5. Petri dishes (small)
6. Insect dissecting tray
7. pH paper
8. Test tube (15ml)
9. Litmus paper
10. Blood grouping kit
11. Secchi disc
12. Homogenizer

### **Chemicals**

13. Enzyme: Trypsin
14. Enzyme: Lypase
15. Benzoyl DL- Arginine- paranitroanilide (BAPNA)
16. Hydroxymethylamino methane
17. L- alanine
18. Lactate dehydrogenase
19. NADH
20. Alpha ketoglutarate
21. Citrate buffer
22. Disodium phenyl phosphate
23. Na<sub>2</sub>CO<sub>3</sub>-NaHCO<sub>3</sub> buffer
24. 4- aminoantipyrine aqueous solution
25. Diphenylamine
26. Sodium dodecyl sulphate
27. Iso amyl alcohol

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28. Tris HCl
29. Sodium acetate
30. Ethanol
31. TE buffer
32. Restriction endonuclease : EcoR1 and Hind III
33. Bromophenol blue
34. Ethidium bromide
35. Tris base
  
36. Agrose powder
37. Phosphate buffered saline
38. Dinitro salicylic acid
39. Formic acid
40. Chloroform
41. Methanol
42. Calcein indicator
43. Ammonium chloride
44. Ammonium hydroxide
45. Eriochrome black T indicator
46. Calmagite indicator
47. Tetraphenyl borate
48. Sodium tetraphenyl borate
49. 5% Phenol
50. Acetone

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## BID FORM/QUOTATION FORM

1. Name of Bidder:
- 2.. Address of Bidder :
3. Registration
4. GST No:
5. PAN No:
6. Quoted Rate:

### INSTRUMENTS/GLASSWARE FOR ZOOLOGY :

Sl. No	Items Name	Name of manufacturer	Specification	Rate per Unit
1				
2				

Signature of Bidder

### CHEMICALS FOR ZOOLOGY:

Sl. No	Items Name	Name of manufacturer	Grade	Rate per Unit
1				
2				

Signature of Bidder

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