



DEPARTMENT OF ZOOLOGY  
TELANGANA UNIVERSITY  
DICHPALLY, NIZAMABAD-503322, TELANGANA STATE  
ACCREDITED BY NAAC WITH B+ GRADE

Smt. M. Prasanna Sheela, M. Sc, Ph. D  
I/C Head, Department of Zoology

Lr. No:10/ZOO/SCB/2024

Date:21-03-2024

To  
The Registrar,  
Telangana University,  
Dichpally, Nizamabad.

INWARD No. - 3291
DATE: 22/3/2024 TIME: _____
REGISTRAR'S PESH, TELANGANA UNIVERSITY

Sub: Request for the procurement of Chemicals and Glassware for the Dept. of Zoology, South Campus, Bhiknoor-Reg;

With reference to the subject cited above, I am here by request you to accord the permission for the purchase of chemicals and glassware required to conduct the M.Sc. Zoology practicals of ongoing II<sup>nd</sup> and IV<sup>th</sup> semesters. Kindly do the needful.

Thanking you,

JD  
The Dir. In-charge  
22/3/2024

With regards,

Smt. M. Prasanna Sheela

**Dept.of Zoology  
Telangana University  
South Campus, Bhiknour**

S. No	Item	Quantity
1.	Burette Stands	20
2.	Burettes	10
3.	Reagent Bottles (250ml)	50
4.	Reagent Bottles (150ml)	30
5.	BOD Bottles	30
6.	PH Papers Litmus	20 Boxes
7.	Cuvettes (1ml) Glass	5-10
8.	Cuvettes (1ml) Crystal	5-10
9.	Cotton Rolls	10
10.	Cotton Rolls (Non-adsorbent)	10
11.	Cuvettes with box	1
12.	Forceps	30
13.	Needles	30
14.	Spatulas (Larger)	10
15.	Spatulas (Smaller)	10
16.	Watch glasses (Smaller)	30
17.	Coverslips	20 Boxes
18.	Test tube stands	30
19.	Measuring cylinder (1Lt)	5
20.	Measuring cylinder (5ml)	10
21.	Measuring cylinder (5ml)	10
22.	Beakers (500ml)	20
23.	Beakers (250ml)	20
24.	Beakers (100ml)	20
25.	Conical Flasks (500ml)	20
26.	Conical Flasks (250ml)	20
27.	Conical Flasks (250ml)	30
28.	Whatmann No.1 Filter papers	100
29.	Aluminium foil	10
30.	Butter papers	100 Sheets
31.	Spray bottles	
32.	Glass rods	20
33.	Spreaders	20
34.	Petri plates	100
35.	Inoculation loops	30
36.	Spirit lamps	10
37.	Distilled water bottles	10
38.	Test Tubes Box Very small	1
39.	Test Tubes holding rack Very small	10
40.	Test Tubes Box small	1
41.	Test Tubes holding rack small	20
42.	Test Tubes Box Large	1
43.	Test Tubes holding rack Large	10

44.	Columns	5
45.	Micropipette tips (1-10ul)	1Packet
46.	Micropipette tips (10-100ul)	1Packet
47.	Micropipette tips (100-1000ul)	1Packet
48.	Tip Box (Autoclavable) (10-100ul)	2 Boxes
49.	Tip Box (Autoclavable) (100-1000ul)	2 Boxes
50.	Micropipette Stand	1
51.	Pipette Stand	2
52.	Pipette holder	5
53.	Test Tube holder	20
54.	Plastic reagent bottles (200-500ml)	10
55.	Capillary tubes	10 Boxes
56.	Eppendorf Tubes (1-2ml)	1 Packet
57.	Eppendorf's Stand	2
58.	Centrifuge Tubes	10

**Department of Zoology**  
**South Campus, Bhiknoor**  
**Equipments Required**

<b>S. No</b>	<b>Item</b>	<b>No</b>
1	Double Distillation Unit	1
2	Compound Microscopes with 100X	10
3	Dissection Microscope (Stereo Zoom Microscope)	10
4	Stainless Steel Autoclave	1
5	Micropipette (1-10ul)	1
6	Micropipette (10-100ul)	1
7	Micropipette (100-1000ul)	1
8	Micropipette Fixed (1000ul)	1
9	Microbiological Incubator	1
10	UV-Transilluminator	1
11	Vertical Electrophoresis Unit (PAGE) with power pack	1

**Department of Zoology  
South Campus, Bhiknour**

**Chemicals required**

S. No	Item	Quantity
1	Formalin	5L
1.	Glycerin	500ml
2.	Lactophenol cotton blue	500ml
3.	Lactic acid	500ml
4.	Carbolic acid	500ml
5.	Borax	500g
6.	Caramine stain	50g
7.	Xylene	500ml
8.	Canada balsm	500mg
9.	Zinc sulphate	50g
10.	Sodium chloride	500g
11.	Sulphuric acid	2.5L
12.	HCl	2.5L
13.	Copper sulphate	500g
14.	Sodium potassium tartrate hydroxide	500mg
15.	Sodium hydroxide	500g
16.	Potassium iodide	500g
17.	Folin ciocalteau	125ml
18.	Trichloro Acetic acid	500ml
19.	Phosphoric acid	500ml
20.	Ninhydrin	25gm
21.	Std DNA	10gm
22.	Std RNA	10gm
23.	Amyl alcohol	1L
24.	Absolute ethanol	1L
25.	Chloroform	2.5L
26.	Ether	2.5L
27.	Phenol solution	25ml
28.	Potassium acetate	500g
29.	Diethyl ether	2.5L
30.	Carbol fuchsin	2.5L
31.	Crystal violet	10g
32.	Hematoxylin	25ml
33.	Eosin stain	5g
34.	Methylene blue	5g

35.	Methanol	2.5L
36.	Safranine	5gm
37.	Acetone	2.5L
38.	Peptone	500g
39.	Meat extract	500g
40.	Agar-agar	500g
41.	Potato dextrose agar	250g
42.	Agarose	10g
43.	Tris-HCl	500g