



COOCH BEHAR PANCHANAN BARMA UNIVERSITY

Vivekananda Street, Cooch Behar-736101
Ph.: 03582-230218

E-mail :- info@cbpbu.ac.in
Website:- www.cbpbu.ac.in

Ref. F27.V4/REG/973-18

Date: 21.07.2018

TENDER INVITED FOR ZOOLOGY LABORATORY EQUIPMENT

Tender document can be downloaded from the University's website www.cbpbu.ac.in and in such a case the bidder shall deposit the cost of tender documents along with submission of the tender, failing which his tender shall not be opened. The tender form complete in all respect should reach the Registrar, Cooch Behar Panchanan Barma University, Vivekananda Street, Cooch Behar – 736101, West Bengal, India, in duly sealed envelope super scribed with **“Zoology Laboratory Equipment”** up to 2.30 p.m on 02.08.2018. The tender will be opened on the same day at 3.30 p .m by a committee in presence of tenderer who may wish to be present. The Registrar Cooch Behar Panchanan Barma University reserves the right to accept or reject any or all the Tenders without assigning any reason. Incomplete & conditional tenders are liable to be rejected.

Demand Draft/Pay Order of Rs. 2000/- (Two thousand only) drawn in favour of Cooch Behar Panchanan Barma University Payable at Cooch Behar, as cost of Tender Document.

Demand Draft/Pay Order of Rs. 30,000/- (Thirty thousand only) drawn in favour of Cooch Behar Panchanan Barma University Payable at Cooch Behar, as earnest money.

Glass Goods:

Sl. No.	PRODUCT	CAPACITY
1	Beakers	10 ml
		25 ml
		50ml
		100 ml
		500 ml
		1000ml
2	Conical Flask	100 ml
		250 ml
		500 ml
		1000 ml
3	Screwed Bottle (wide mouth)	500ML
		1000ML
4	Measuring Cylinder	500 ml
		250ml
		100ml
		25ml
		10ml
5	Dishes, culture, Petri	50mm X12 mm
		80mm X15mm
		100mm X15mm





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		150mm X25mm
6	Pipette (7080-classB)	0.1ml 2ml 5ml 10ml
7	Watch glass	80ml
8	Test tube	15ml
9	SOXHLET Apparatus	(with 2000ml -Flask)
10	Spatula	10" One side spoon one side flat 4" One side spoon one side flat 7.5" Big spoon spatula
11	Funnel	50Mm 75Mm
12	Microscope Slide	76X26X1.25mm
13	Coverslip	22mmX22mm 22mm x 50mm
14	Burette	50ml
15	Stirrer	7mm x 305mm
16	Jars	200mmX125mmX125mm 250mm X 165 mmX 140mm 360mm X 150mm X 100mm
17	Tissue homogenizer	7inches , 5inches
18	Amber wide mouth bottles	250ml/ 500ml
19	Round bottomed flask	250ml,500ml

Plastic wares

SI No.	PRODUCT	CAPACITY
1	Microtip (Tarsons)	0.2-10 μ l 2- 200 μ l 200-1000 μ l 5000 μ l
2	Cllok Micro centrifuge tube (conical bottom) (Tarsons)	1.5ml 2ml 5ml
3	Tip boxes	For 0.2-10 μ l, 2-200 μ l, 200-1000 μ l,5000 μ l
4	Coplin jar	
5	Measuring cylinder (Plastic body, autoclavable)	2000ml /1000ml/500ml/200ml/100ml/50ml
6	Beaker with handle (autoclavable)	500ml





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7	Beaker	1000ml, 500ml, 100ml
8	Draining tray	
9	Pipettor Stand	
10	Tissue culture flasks with filter cap(sterile)	
11	Tissue culture plate (sterile)	6wells, 12 wells
12	Tissue culture petridish (sterile)	35mm, 60mm
13	Microtitre plates	96 wells
14	Microtitre plates with lid for cell culture	
15	Animal cage	
16	Animal feeding bottle	
17	Soft loop (sterile)	
18	Vertical pipette stand	
19	Test tube stand (normal)	15ml,50ml
20	Polygrip test tube stand (40 places)	
21	Rack for microtube (24 places)	1.5 ml
22	Distilled water Carboy with stopcock	10 litres
23	Aspirator bottle with stopcock	5litres
24	Dropping bottle	60ml
25	Wash Bottle	500ml
26	Centrifuge bottle	250ml 500ml
27	Measuring scoop	250 ml 500ml
28	Plastic trays	Dimensions: (L x W x H): 42 cm x 31.2 cm x 20 cm
29	Burette /Retort stand + Clamp	20 pcs.
30	Silica Gel column	
31	Centrifuge tubes with cap	15 ml/ 50 ml
32	Scott Glass bottle with cap	1000ml/500ml/250ml/100ml
33	Glass funnel	
34	Stage micrometer	
35	Occulometer	
36	Haemocytometer	
37	Plankton net	
38	Polypropylene Dome Tube with Cap	0.2 ml
39	Polypropylene Flat Tube With Cap	0.2ml
40	8 tube strip with attached or non attached cap	0.2ml





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41	Test tube peg rack	
42	Sedwig Rafter cell counter	
43	Cryo box for microtube (5ml)	
44	Pasteur pipette	1ml
45	Specimen container	250ml, 500ml
46	Rack for microtube	0.5ml, 1.5ml, 2ml
47	Storage vial (self standing)	4.5ml(37X100mm)
48	Specimen tube	
49	Ice bucket	2.5lts
50	Plastic cuvette (use and throw)	
51	Incubation tray	
52		

OTHER GOODS

Sl No.	PRODUCT	CAPACITY
1	Cotton roll (absorbent, non-absorbent each)	
2	Tissue roll	
3	Parafilm	
4	Nitrile gloves	(9.5cm length)
5	Heating mantle for soxhlet apparatus	1no
6	Micropipette	0.2-10 μ l 2- 200 μ l 200-1000 μ l 5000 μ l
7	Dessicator vaccum	150mm, 300mm
8	Haemoglobinometer, Haemometer	
9	Blotting paper	
10	Whatmann filter paper	
11	Plankton sampling net	
12	Entomological field collection bag with accessories	
13	Aluminium foil	
14	Animals (Mice, Rat, Rabbit)	
15	Animal Feed	
16	Animal Bed	





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17	Micro scissors	
18	Glass needle	
19	Syringe	1ml
20	Slide Boxes (25 places, 50 places)	
21	Cryochilli (-20 degrees mini cooler)	
22	Cage bin	
23	Cage grill	
24	Water bottle	
25	Stirring rod	
26	Mice feed	
27	Animal (Mice) bed	
28	Swiss albino mouse	
29	Needle ½ circle (medium)	
30	Needle surgical sutures (absorbable)	
31	Ekmann's Dredger	
32	Secchi Disc	
33	Jackson's candle turbidimeter	
34	FACS Tubes	
35	Bulb and stopcock column chromatography (Bore:10mm, length 15cm ; Bore 20mm, length – 45cm)	
36	B24 joint bulb condenser	
37	Sharp scalpel	
38	Slide callipers	
39	TLC Plate UV active F254	
40		

CHEMICALS/REAGENTS

	PRODUCT NAME	QUANTITY
1	β-NADPH	
2	β-NAD	
3	β-NADH	
4	O-acetyl-5-bromoindoxyl/5-bromoindoxylacetate	
5	Ammonium hepta molybdate	
6	Ammonium sulfate	
7	Amino naphthol sulphonic acid / 1-Amino-2-naphthol-4-sulfonic acid	
8	Acetic acid	
9	Acetone	
10	Acetonitrile	
11	Ammonium sulphide	
12	Ammonia solution	
13	Adenosine 5 monophosphate	





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14	Adenosine 5 diphosphate	
15	Adenosine 5 triphosphate	
16	Albumin fraction v	
17	Balsam Canada	
18	Bicinconinic acid	
19	Boric acid crystal/powder	
20	Benzene	
21	Calcium chloride	
22	Carmine	
23	Catalase	
24	Chrome alum getatine /chromium (iii)potassium sulfate dodecahydrate	
25	Chromic acid	
26	Clove oil	
27	Colchicine	
28	Copper sulphate/copper (ii)sulfate	
29	Cobalt chloride/cobalt ii chloride	
30	D-mannitol	
31	DMSO	
32	DL- Dithiothreitol (DTT)	
33	DTNB	
34	Diphenylamine indicator	
35	EDTA (Ethylene diamine tetra acetic acid)	
36	Ethyl acetate	
37	Evan's Blue dye	
39	Fast violet -B	
40	Ferrous ammonium sulphate	
41	Folin-Ciocalteu Reagent	
42	Formaldehyde	
43	Genistein	
44	GDH /glycerol -3—phosphate dehydrogenase ex.rabbit muscle	
43	Glucose 6 phosphate dehydrogenase	
44	Glutaraldehyde	
45	Glutathione reduced	
46	Glycine	
47	Glycerol	
48	HEPES buffer	
49	Hydrochloric acid	
50	Hydroxymethyl ethane sulphonic acid (TES) buffer	
51	Mercuric sulphate/mercury ii sulphate	
52	L-arginine monohydrochloride	
53	Lithium hydroxide monohydrate	
54	Lead acetate/lead ii acetate trihydrate	
55	Lead nitrate	
56	Lithium citrate	
57	Lactophenol cotton blue	
58	Magnesium sulphate	
59	Magnesium chloride	
60	Maleic acid/dl-malic acid	
61	Manganese sulphate	
62	Mayer's haemalum	
63	Methanol	





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64	NBT—Nitro Blue Tetrazolium Chloride	
65	n - Hexane	
66	Orcein	
67	Osmium tetroxide	
68	Paraformaldehyde	
69	Phenolphthalein	
70	p-Nitrophenyl phosphate	
71	PMSF--Phenyl Methane Sulfonyl Flouride	
72	Poly-l-lysine	
73	Potassium chloride	
74	Potassium dichromate	
75	Potassium dihydrogen orthophosphate	
76	Potassium ferri cyanide	
77	Potassium ferro cyanide	
78	Potassium Phosphate dibasic anhydrous / di-Potassium hydrogen phosphate anhydrous	
79	PCA—Perchloric acid	
80	Silver nitrate	
81	Sodium- β -glycerophosphate	
82	Sodium acetate	
83	Sodium carbonate	
84	Sodium chloride	
85	Sodium hydroxide (NAOH)	
86	Sodium metabisulphite/sodium disulfite	
87	Sodium phosphate monobasic	
88	Sodium phosphate dibasic	
89	Sodium sulphate	
90	Sodium thiosulphate	
91	S-Acetylthiocholine Iodide	
92	Sulphuric acid	
93	Sucrose	
94	Trichloro acetic acid	
95	Tetrazolium chloride	
96	Tris-HCl	
97	Triton X-100	
98	α - ketoglutaric acid	
99	Urease	
100	Whatman Filter paper no. 1	
101	Xylene	
102	Giemsa Rosenfield	
103	RPMI-1640 (Powder and solution)	
105	Con A type IV	
106	Neutral Red	
107	Trypan Blue	
108	Eosin	
109	Giemsa stain	
110	Leishman's stain	
111	Haematoxylin	
112	Commassie Blue	
113	Bromophenol blue	
114	Tris-Base	
115	Agarose	





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116	Mercaptoethanol	
117	2,4 dinitrofluorobenzene	
118	1chloro 2,4 dinitrobenzene	
119	Parafin	
120	Glycerine	
121	Fetal calf serum	
122	NBT	
123	Hydroxylamine hydrochloride	
124	Hydrogen peroxide	
125	GSH	
126	Lithium lactate	
127	Dextrose	
128	Glacial Acetic acid	
129	Ethyl acetate	
130	Silica Gel (60-120 mesh)	
131	NAD	
132	PMS	
133	Iodine	
134	Ficoll hapaque	
135	Rabbit anti mouse Ig-G antibody	
136	Standard Ig-G (Genel, Bangalore)	
137	Polyclonal goat anti- rabbit antibody	
138	Ethidium bromide	
139	Horseradish peroxidase	
140	RNAse A	
141	Copper chloride	
142	Ascorbic acid	
143	2-deoxy D-ribose	
144	Potassium Dihydrogen phosphate	
145	Potassium hydroxide	
146	Thiobarbituric acid	
147	Ferric chloride	
148	MEM	
149	Sodium bicarbonate	
150	Isopropanol	
151	Sodium citrate	
152	Tris buffered ammonium chloride	
153	RLT Buffer	
154	Buffer RW1	
155	Buffer RPE (1018013, Qiagen)	
156	DEPC (D5748, Sigma Aldrich)	
157	Oligo dt ¹³	
158	Taq DNA polymerase buffer	
159	Sodium thiopentone	
160	Propylene oxide (sigma Aldrich)	
161	Tetrachloroauric acid (Sigma Aldrich)	
162	Sodium chromate (Na ₂ ⁵¹ cro ₄ , spAct. 50 mci/mg, BARC, Bombay)	
163	Tetramethyl benzidine	
164	Sodium cacodylate	
165	Malonaldehyde	





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166	Chloroform	
167	TLC Plate UV active F254	
168	Bulb and stopcock column chromatography (Bore:10mm, length 15cm ; Bore 20mm, length - 45cm)	
169	B24 joint bulb condenser	
170	Penicillin, streptomycin, nystatin antibiotic	
171	Hydroxylamine hydrochloride	
172	GSH	
173	Lithium lactate	
174	Agarose High EEO	
175	TEMED	
176	Ammonium chloride	
177	Sodium dodecyl sulphate	
178	Urea	
179	PBS Powder (Himedia)	
180	PE-138, Microprocessor based Multi Parameter Water Quality Analyser, ELICO	
181	Scintillation fluid	
182	Total Coliform/ <i>E. coli</i> Indicator Bacteria Test Kit (Code 4- 3616-UV)	
183	DNA sequence kit	
184	Plasmid DNA purification kit (ThermoFisher)	
185	Genomic kit (ThermoFisher)	
186	cDNA synthesis kit(#k1621, Fermentas)	
187	RNeasy minikit	
189	Elisa kit	
190	Elisa plates,	
191	Standard dengue sera- DEN , DEN2, DEN 3, DEN 4	
200	HA Titre kit	
201	Immunodiffusion (Himedia)	
202	Immunoelectrophoresis kit (Himedia)	
203	Water testing kit	
204	Soil testing kit	
205	Glucose estimation kit	
206	Potassium permanganate	
207	Formalin	
208	Belomycin	
209	Fetal Bovine Serum (FBS)	
210	CM -H ₂ DCFDA Reagent (Invitrogen)	
211	Troizol Reagent (Invitrogen)	
212	SYBR green	
213	FITC	
214	Alexa Fluor 594	
215	DAPI	
216	Pro long Gold Antifade reagent	
217	Pico green (Life technologies)	
218	Tween 20	
219	Hemin	
220	Acrylamide	
221	Sodium chloride	
222	Ammonium per sulphate	





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1. Prestained Protein ladder
2. Unstained Protein ladder
3. 6X DNA loading dye
4. DNA molecular weight marker
5. PVDF membrane
6. Restriction endonucleases (ECORI, ECO RV)
7. ALkaline phosphatase (NEB)
8. T4 DNA ligase (NEB)
9. NEB buffer 1,2,3,4.
10. pBR322 plasmid
11. Plasmid DNA isolation kit

INSTRUMENTS

1	Autoclave	
2	Refrigerator	
3	Incubator	
4	Digital Balance	
5	Weight Balance	
6	Compound microscope	
7	Hot plate	
8	Hot air oven	
9	Double distillation unit	
10	Centrifuge	
11	Hot plate	
12	Microoven	
13	UV Torch	
14	PH Meter	
15	Deep Freezer	
16	Homogeniser	
17	Horizontal Electrophoresis Unit	
18	Vertical Horizontal Unit	
19	Gel Casting Tray	
20	Rotary evaporator	
21	Western Blot (BioRad)	
22	CO ₂ incubator	
23	Olympus DPS I 8X 40mm binocular	
24	Tabletop cooling centrifuge	
25	Mantox heater	

Registrar

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