

ANNEXURE 12

**FORM OF SHORT TENDER NOTICE**

**Tender No. 8/2022-23 /GCW**

Govt. College for Women,  
Vazhuthacaud ,  
Thiruvananthapuram.

**TOTAL ESTIMATE-2,61,566/-**

Sealed tenders are invited for the supply of the following stores- **Purchase of chemicals to Botany Department - 2202 -03 -103 -76 -00 34 - Development of Laboratories, Libraries and Furniture -Plan 2022 -2023.**

The envelopes containing the tender should bear the superscription "**Tender for the supply of chemicals to Botany department**" and should be addressed to **Principal, Govt. College for Women, Vazhuthacaud, Thiruvananthapuram - 14.**

Last date for the receipt of tenders will be 16/01/2023 11.30am Late tenders will not be accepted. The tenders will be opened at 02.00 p. m. on 16/01/2023 in the presence of such of the tenderers or their authorized representatives who may be present at that time.

Intending tenderers may, on application to the Principal, Govt. College for Women , Vazhuthacaud, Thiruvananthapuram obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of **Rs. 960/-+GST18%** (GST amount of the tender form Rs.173/-should be remit on reverse charge mode by the registered tax payer and the printout of the chalan should be submitted to office) which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at 11.00 a. m. on 13/01/2023 Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V. P. P. Duplicate tender forms, if required will be issued at Rs.500/-+GST per copy.

The Earnest Money deposit @ 1% of the total amount tendered for subject to a minimum of Rs.1500/- should be accompanied by Demand Draft in favour of the **Principal, Government College for Women, Thiruvananthapuram** or fixed deposit receipts. The tenderers who are eligible for exemption from payment of EMD/Security deposit should enclose a copy of the latest certificate in support of the name issued by Government of Kerala, Store Purchase Department Dus & D etc. Otherwise the tender will be summarily rejected. The right to accept or reject the tender without assigning any reason thereof is vested with the undersigned. Total tendered amount must be specified clearly in the tender.

*NB: The price to be quoted in the tender must be inclusive of all taxes.*

Place: Vazhuthacaud

Date: 19/12/2022.

(Name and Designation of Issuing  
Officer).

**Approval Valid**

Digitally Approved By  
Dr.Chandini Sam S.P  
Date: 21.12.2022  
Reason: Approved

**Department of Botany**  
**Government college for women, Thiruvananthapuram**

**List of Chemicals, Glasswares and Miscellaneous items to be purchased under Plan fund 2022-23**

Sl.No.	Description	Unit	Qty	Amount	Total
1	(-)-Riboflavin	10gm	1		
2	(±)-Abscisic acid	100mg	1		
3	2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid)- ABTS	50gm	1		
4	2,3,5 - Triphenyltetrazolium chloride	50gm	1		
5	2,4-D	100gm	1		
6	2-Deoxy 2-ribose	1gm	2		
7	2-Mercaptoethanol	100ml	1		
8	3,5-Dinitrosalicylic acid	25gm	1		
9	4% Paraformaldehyde in Phosphate Buffered Saline	100ml	1		
10	6-Benzyladenine (6-BAP)	25gm	1		
11	Acetic acid glacial 99.5%	2.5ltr	1		
12	Acetocarmine	100 ml	3		
13	Acetone 99%	2.5ltr	1		
14	Agarose for electrophoresis (L),	100 gm	1		
15	Alpha-amylase	100gm	1		
16	alpha-glucosidase	100gm	1		
17	Aluminium ammonium sulphate dodecahydrate, Hi-LR™	500gm	1		
18	Aluminium chloride anhydrous 98%	250 gm	1		
19	Ammonia solution sp.gr.0.91 (25%) (Ammonium hydroxide) (Suitable for mirror manufacturing also),	500 ml	1		
20	Ammonium chloride, Hi-AR™/ACS	500gm	1		
21	Ammonium dichromate (Ammonium bichromate) 99.5%,	500 gm	1		
22	Ammonium ferrous sulphate (Ferrous ammonium sulphate) (Mohr's Salt) 98.5%,	500 gm	1		
23	Ammonium heptamolybdenate	100gm	1		
24	Ammonium nitrate	500gm	1		
25	Ammonium orthomolybdenate	100gm	1		
26	Ammonium per sulphate	100GM	1		
27	Amoxicillin	5x50ds	1		
28	Ampicillin	5x50ds	1		
29	a-Naphthaleneacetic acid (NAA)	100gm	1		
30	Aniline blue stain powder W.S. (Cotton blue) (Dye content - 60%),	25 gm	1		
31	DPX Mountant	250 ml	2		
32	Anthrone 98%	25 gm	1		
33	Ascorbic acid	100ml	1		
34	Aspirin	100gm	1		
35	Barfoed's reagent	125 ml	1		

36	Benzene 99%,	500 ml	2		
37	Biuret Reagent	100ml	1		
38	Boric acid	500gm	1		
39	Bromophenol blue powder,	5 gm	1		
40	Butylated hydroxytoluene	500gm	1		
41	Calcium chloride fused 90%,	500 gm	1		
42	Calcium nitrate 98%,	500 gm	1		
43	Calcium phosphate dibasic anhydrous	500gm	1		
44	Canada balsam, Natural	250gm	2		
45	Carbol Fuchsin (ZN,Strong)	125ml	1		
46	Catechol (pyro catechol) 99%,	250 gm	1		
47	Chloroform 99%,	2.5ltr	10		
48	Chlorogenic acid	100mg	1		
49	Cinnamic acid	250gm	1		
50	Citric acid anhydrous	500gm	1		
51	Clove oil for microscopy,	500 ml	2		
52	Cobalt (II) chloride	100gm	1		
53	Congo red powder,	25 gm	1		
54	Copper sulphate (Cupric sulphate) 98.5%	500 gm	2		
55	Crystal violet M.S. (Dye content 88%),	25 gm	1		
56	CTAB	100gm	1		
57	Curcumin	5gm	1		
58	DCPIP	100gm	1		
59	Di ethyl Ether	500ML	1		
60	Dimethyl foramide	100gm	1		
61	Diphenylamine	250 gm	1		
62	DMSO	500 ml	1		
63	D-Phenylalanine	5gm	1		
64	DPPH	100gm	1		
65	Dragendoff's reagent	100ml	1		
66	EDTA	100gm	1		
67	Ethidium Bromide Solution(10mg/ml)	10ml	1		
68	Fast green FCF, powder	25gm	1		
69	Ferric ammonium sulfate dodecahydrate	250gm	1		
70	Ferric chloride hexahydrate	100gm	1		
71	Ferrozine	1gm	1		
72	Ferulic acid	5gm	1		
73	Folic acid	10gm	1		
74	Folin-Ciocalteu reagent	100ml	1		
75	Formalin	2.5L	1		
76	Formamide (Liquid)	500ml	1		
77	Gallic acid	25gm	1		
78	Gelatin	500gm	1		
79	Gentamicin	5x50ds	1		
80	Gibberellic acid (GA3)	10gm	1		

81	Glycerol	500ml	1		
82	Gram's staining kit	2	1		
83	Haematoxylin (Delafields)	125ml	1		
84	Haematoxylin (Harris)	125ml	1		
85	Hexane	500ml	5		
86	Hydrochloric acid	1000ml	1		
87	Hydroxylamine hydrochloride	100gm	1		
88	Indole-3-butyric acid (IBA)	25gm	1		
89	ITS 1		1		
90	ITS 2		1		
91	Kinetin	5gm	1		
92	Kit for Adulteration Testing of Milk (Skim Milk Powder)	1kt	1		
93	L-Cysteine	25gm	1		
94	Lead (II) acetate anhydrous, basic	500gm	1		
95	Lithium Chloride	500gm	1		
96	L-Methionine	25gm	1		
97	L-Phenylalanine	25gm	1		
98	L-Threonine	25gm	1		
99	L-Tryptophan (for biochemistry) 99%,	5 gm	1		
100	Maeyer's reagent	100ml	1		
101	Magnesium sulfate heptahydrate	100gm	1		
102	Magnesium sulphate anhydrous	500gm	1		
103	Malachite Green, 1% w/v	500ml	1		
104	Manganese (II) chloride	5gm	1		
105	Mercuric Chloride	50 gm	1		
106	Carbinol	2ltr	1		
107	Methyl orange solution	125ml	1		
108	Methylene blue aqueous	125ml	1		
109	Molisch's reagent,	125ml	1		
110	Molybdenum trioxide	100gm	1		
111	Molybdic acid	100gm	1		
112	Motility Test agar	5X100ml	1		
113	MTT	1gm	1		
114	Murashige & Skoog Medium w/ Vitamins & Sucrose; w/o CaCl <sub>2</sub> & Agar	100gm	1		
115	myo-Inositol	25gm	1		
116	Myricetin	10gm	1		
117	Naphthyethylene diamine dihydrochloride	100ml	1		
118	n-Butyl alcohol (1-Butanol) 99%	500 ml	1		
119	Nessler's reagent (For detection of ammonia & ammonium salts),	125ml	1		
120	Niacin (Nicotinic acid)	100gm	1		
121	Ninhydrin A.R (Indane trione hydrate)	10gm	1		
122	Nitric acid,	500 ml	4		

123	Nitroblue tetrazolium chloride (NBT)	250mg	1		
124	Nutrient Gelatin	100gm	1		
125	Orthophosphoric acid 88%	500ml	1		
126	Oxalic acid	500gm	1		
127	Paraffin liquid light,	500ml	1		
128	Paraffin wax (block)	3 KG	1		
129	Paraffin wax 58-60C (Pellets form)	500gm	3		
130	Paraffin wax with ceresin,58-60 (solid)	500gm	10		
131	Paraformaldehyde	500 GM	1		
132	p-Coumaric acid	10gm	1		
133	PCR Master mix	50 rctn	1		
134	Perchloric acid 60% A.R	500ml	1		
135	Petroleum ether 40 - 600C,	500ml	4		
136	Phenol reagent,	100ml	1		
137	Phenol saturated with 10% water	100 ML	1		
138	Phenolphthalein solution,	125 ml	1		
139	Phosphoric acid	500 ML	1		
140	Potassium acetate 99-100.5%,	500gm	1		
141	Potassium chloride 99.5%,	500gm	1		
142	Potassium dichromate 99.5%	500gm	1		
143	Potassium ferricyanide 99%,	250gm	1		
144	Potassium hydroxide flakes	500 GM	1		
145	Potassium nitrate 99%,	500gm	1		
146	Potassium persulfate	100gm	1		
147	Potassium phosphate dibasic anhydrous	500gm	1		
148	Potassium phosphate monobasic anhydrous	500gm	1		
149	Potato Dextrose Agar	500gm	1		
150	p-Phenylenediamine	250gm	1		
151	Pyridoxine hydrochloride	25gm	1		
152	Pyrogauol	50gm	1		
153	Quercetin	100gm	1		
154	Resorcinol	25gm	1		
155	Rhizobium Medium	500gm	1		
156	Safranin stain solution,	125ml	1		
157	Salicyclic acid	500gm	1		
158	Schiff's reagent (For detection of aldehydes),	125ml	1		
159	Silica Gel blue (3-6mesh)	500gm	2		
160	Silver nitrate	250 gm	1		
161	Silver sulphate 98.5%,	25gm	1		
162	Silymarin (Molecular Biology Grade)	10 GM	1		
163	Sodium acetate anhydrous 98%,	500gm	1		
164	Sodium Alginate (LOBA COMPANY)	500gm	1		
165	Sodium benzoate	500gm	1		
166	Sodium carbonate anhydrous 99.5%,	500gm	1		
167	Sodium chloride 99.5%,	500gm	1		

168	Sodium citrate	500 GM	1		
169	Sodium hypochlorite solution 10% w/v	1ltr	2		
170	Sodium metasilicate nonahydrate	500gm	1		
171	Sodium molybdate dihydrate	100gm	1		
172	Sodium nitrite	100gm	1		
173	Sodium phosphate dibasic	500gm	1		
174	Sodium phosphate monobasic	500gm	1		
175	Sodium potassium tartrate 99.% (Potassium sodium tartrate),	250gm	1		
176	Sodium salicylate	500gm	1		
177	Sodium sulphate anhydrous	500gm	1		
178	Sodium thiosulphate (Hypo) 99%,	500gm	1		
179	Spectinomycin	5×50DS	1		
180	Starch soluble	500gm	1		
181	Starch, Corn	500gm	1		
182	Streptomycin	100gm	1		
183	Succinic acid 99%,	250gm	1		
184	Sucrose,	500gm	3		
185	Sulphanil amide	100gm	1		
186	Sulphuric acid,	500 ml	6		
187	Tannic acid,	100gm	1		
188	Teepol	500ml	1		
189	Tertiary butyl alcohol	500ml	1		
190	Thiamine hydrochloride	100gm	1		
191	Thymol blue, Free acid	5G	1		
192	tri-Calcium phosphate (calcium phosphate tribasic)-90%	500 gm	1		
193	Trichloroacetic acid	500gm	1		
194	Tris salt	100gm	1		
195	Isopropyl alcohol	2.5 lit	1		
196	Tween 20	100ml	1		
197	Urea	500gm	1		
198	Vanillic Acid	25gm	1		
199	Vanillin	100gm	1		
200	Vitamin B1 (Thiamine)	100gm	1		
201	Vitamin B12 (Cyanocobalamine)	250mg	1		
202	Xylan from beechwood	10gm	1		
203	Xylene Cyanol Indicator Solution	100ml	1		
204	Xylene rectified 99%,	500ml	5		
205	Yeast extract,	500gm	1		
206	Zinc chloride	100gm	1		
207	Zinc sulphate 99%,	250gm	1		
208	Amber Reagent Bottle narrow mouth with screw cap	50ml	5		
209	Apparatus for determining the quantity of water absorbed and given off by transpiring plant - Borosilicate glass		1		
210	ARC-Auxanometer		1		

211	B.O.D Bottle with i/c stopper	300ml	10		
212	Beaker with spout	50ml	10		
213	Beaker with spout	100ml	5		
214	Beaker with spout	250ml	5		
215	Beaker with spout	1000ml	5		
216	Bent glass tube		1		
217	Conical bottom centrifuge tube with screw cap	15ml	25		
218	Conical flask	500ml	10		
219	Conical flask with screw cap	250ml	5		
220	Conical flask with screw cap	1000ml	5		
221	Approx. O.D. x Height: 85x145mm, Approx. Neck O.D.:	each	50		
222	Cover Slip Square 18x18mm (pack of 50)	Pkt	20		
223	Cover Slip Square 20x30mm (pack of 50)	Pkt	10		
224	Ganongs normal light screen- strongly builded star shaped		1		
225	Ganongs potometer		1		
226	Ganongs respirometer		1		
227	Glass pipette, measuring graduated with rubber bulb	5ml	5		
228	Glass pipette, measuring graduated with rubber bulb	2ml	5		
229	Hemocytometer	each	1		
230	Klinostat		1		
231	Kuhne's fermentation tube		1		
232	Measuring cylinder with hexagonal base and spout	100ml	5		
233	Measuring cylinder with hexagonal base and spout	500ml	5		
234	Measuring cylinder with hexagonal base and spout	1000ml	5		
235	Micro Slide 26x76mm 1-1.2mm thickness (pack of 50)	Pkt	20		
236	Micrometer (stage &ocular )	1	2		
237	Osmometer Pfeffer's - Borosilicate glass		1		
238	Petridishes	50x17	40		
239	Plankton counting chamber	each	1		
240	Reagent bottle, narrow mouth with screw cap	100ml	5		
241	Reagent bottle, narrow mouth with screw cap	1000 ml	5		
242	Spirit lamp, glass type		3		
243	Test tube without rim	12x100mm	50		
244	Test tube without rim	10x150mm	50		
245	Thistle funnel		2		
246	Titration biurette		10		
247	Titration pipette		5		
248	Wilmott's bubbler		1		
249	Mercuric Thermometer for lab use temp range 10 to 100 C	1	2		
250	developing chamber for chromatigraphy(20 ml capacity)	1	5		
251	Camel hair Brush	each	50		
252	Conical bottom centrifuge tube rack for 15 ml tubes	each	3nos.		
253	Cork assorted		10		

254	Cotton adsorbant	1 roll	5		
255	cotton non adsorbant	1 roll	5		
256	Dettol		5		
257	Dropper		5		
258	Float rack	1.5/2ml	2nos.		
259	Glass rod assorted		10		
260	Ice bucket	2.5LIT	1nos.		
261	Metal loop-SS	1X8No	1		
262	Micro tip	0.5-10ul	1000nos.- 1PKT		
263	Micro tip	20-200ul	500nos.- 1PKT		
264	micro tip- blue	1 ml	250/pkt-5		
265	Micro tip gel loading	200ul	1000nos.- 1PKT		
266	Micro tube rack	76places- 1.5ml	3nos.		
267	Microcentrifuge tube	0.5ml	500nos.- 1PKT		
268	Needle Plastic handle	each	50		
269	PCR tube STRIP TYPE	0.2 ml	500/pkt		
270	PCR tube flat cap type	0.2ml	1000nos.- 2 PKT		
271	Scalpel	each	10		
272	Spatula 128		5		
273	Spatula 200 primium quality		1PKT		
274	Spirit lamp thread		1 bundle		
275	Stained steel forceps blunted	size-6	5nos.		
276	Stained steel forceps pointed	size-5	5 NOS		
277	Stained steel scalpel holder no.3		1PKT		
278	Stained steel scalpel holder no.4		1PKT		
279	Sterile scalpel blade no.22		1PKT		
280	Surgical blade size 24		100/pack		
281	Test tube holder		10		
282	Test tube stand		5		
283	Tissue roll	1 roll	5		
284	Wash Bottle 250ml	each	10		
285	Whatmann No.1 filter paper	1 sheet	10 sheets		
286	Whatmann No.2 Filter paper		1PKT		
287	TLC sheet (silica platesAluminium) 20x20 cm	1sheet	25 sheet/ pkt		
	<b>TOTAL AMOUNT</b>			<b>261566</b>	



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