

# **CMS COLLEGE, KOTTAYAM (Autonomous)**

**Ph: 0481 - 2566002**

**Tender No. CMS/PD/01/ 2022-2023**

## **TENDER NOTICE**

Sealed competitive tenders are invited for supply of Chemicals, Equipments & Sports Goods under PD fund of CMS College Kottayam.

**PD Fund:** Chemicals - PAC Rs.1.65 Lakhs | Equipments - PAC 1.60 Lakhs  
Sports Goods - PAC Rs.3.00 Lakhs

Issue of tender form	15.03.2023 to 28.03.2023, 11:00 am
Last date for submission of tender form	28.03.2023, 11:30 am
Opening of tender forms	28.03.2023, 12:30 pm
EMD	1% of estimated amount

Details are available in College website ([www.cmscollege.ac.in](http://www.cmscollege.ac.in)).

Tender cost as per Government of Kerala rules.

Kottayam  
15.03.2023

Sd/-  
Principal, CMS College, Kottayam

## CMS College Kottayam ( Autonomous)

Dated :15-03-2023

Tenders are invited for supply of Chemicals, equipments & Sports Goods to various departments of the college under PD fund.

### Important Dates:

Issue of Tender Forms: 15.03.2023 to 28.03.2023, 11.00 am

Last date of receipt of tenders: 28.03.2023, 11.30 am

Opening of tenders: 28.03.2023, 12.30 pm

### Tender Cost:

- ☐ Above `1,00,000/- upto `10.00 lakh- 0.2% of the cost of tender rounded to the nearest multiple of 100, subject to a minimum of `400/- and maximum `1500/- + GST (@ 18% - CGST-9% and SGST -9%)
- ☐ Above `10.00 lakh- 0.15% of the cost of tender rounded to the nearest multiple of 100, subject to a maximum of `25000/- + GST (@ 18% - CGST-9% and SGST -9%)

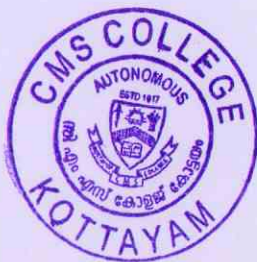
### EMD:

A cash deposit as earnest money equal to one percent of the total cost



## List of Chemicals

	Department of Chemistry
No	
1	Acetic Acid
2	Acetone
3	Ammonium Phosphate
4	Aniline
5	Benzaldehyde
6	Benzene
7	Benzoyl Chloride
8	Biphenyl
9	Diethyl Ether
10	Glycerol
11	Hydrochloric Acid
12	Lemon Grass Oil
13	Nitrobenzene
14	Naphthalene
15	Oxalic Acid
16	Petroleum Ether
17	Potassium Chloride
18	Resorcinol
19	Sodium Hydroxide
20	Sodium Thiosulphate
21	Sodium Bisulphite
22	Thiourea
23	Urea
24	Charcol
25	Ammonium Ferrous Sulphate
26	Ammonium Ferric Sulphate
27	Methyl Acetate
28	Ethyl Benzoate
29	Clove oil
30	Hydroxyl amine hydrochloride
31	Dimethyl sulphate

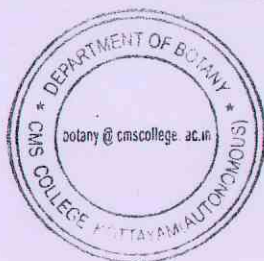


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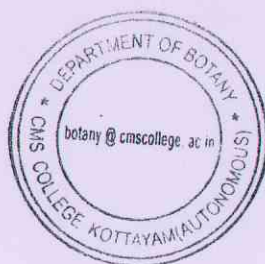
**DEPARTMENT OF BOTANY**  
**CMS COLLEGE KOTTAYAM (AUTONOMOUS)**

List of Chemicals required - 2023		
Sl. No.	Chemicals/solvents	Quantity
1.	3,5 Di nitro salicylic acid	Lowest Pack
2.	Acetocarmine	Lowest Pack
3.	Acetone	1 litre
4.	Agar Agar- Bacteriological	100gm
5.	Agar Agar- Tissue culture	100gm
6.	Agarose (Mol bio)	10gm
7.	alpha Naphtylamine	25g
8.	Ammonium acetate	Lowest Pack
9.	Anhydrous Na <sub>2</sub> SO <sub>4</sub>	500g
10.	Beef extract	Lowest Pack
11.	Benzene	Lowest Pack
12.	Mercaptoethanol	Lowest Pack
13.	Bromothymol Blue	Lowest Pack
14.	Calcium Chloride	Lowest Pack
15.	Chloroform	2 Litres
16.	Clove oil	Lowest Pack
17.	Crystal Violet	Lowest Pack
18.	CTAB	Lowest Pack
19.	Di sodium citrate	Lowest Pack
20.	Di sodium hydrogen phosphate	Lowest Pack
21.	EDTA	Lowest Pack
22.	Folin-Ciocateu reagent	100mL
23.	Formaldehyde	2 litre
24.	Glycerin	Lowest Pack
25.	Grams Iodine	Lowest Pack
26.	HCl	500ml
27.	Hexane	5 Litre
28.	Lamposolv	2 Litre
29.	Isopropyl alcohol	1 litre
30.	Maltose	Lowest Pack
31.	Methyl orange	Lowest Pack
32.	MgNO <sub>3</sub> -Magnesium nitrate	Lowest Pack
33.	Na <sub>2</sub> EDTA	500g
34.	Neutral Red	Lowest Pack
35.	Ninhydrin	10g
36.	Non absorbent cotton	5 pack
37.	Nutrient Agar	Lowest Pack
38.	Peptone	100gm
39.	Diethyl ether	1 litre
40.	pH tablets – 4,7,10	Lowest Pack



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41.	Phenolphthalien	2 bottle
42.	Potassium chromate	25gm
43.	Potassium hydroxide	100g
44.	Proline	Lowest Pack
45.	Prestained Protein ladder MBT092	Lowest Pack
46.	Pyridine	Lowest Pack
47.	Safranin solution	Lowest Pack
48.	Safranin solution (gram staining)	Lowest Pack
49.	Sodium acetate	500g
50.	Sodium carbonate	Lowest Pack
51.	Sodium Chloride	500g
52.	Sodium dithionite	Lowest Pack
53.	Sodium Dodecyl Sulphate (SDS)	Lowest Pack
54.	Sodium Nitrite	500g
55.	Sodium phosphate monobasic	Lowest Pack
56.	Sodium sulphate	Lowest Pack
57.	Sodium tartarate	Lowest Pack
58.	Stannous chloride	250g
59.	Sucrose	Lowest Pack
60.	Sulphanilic acid	500g
61.	Sulphuric acid	500ml
62.	Toluene	Lowest Pack
63.	Tris-HCl	Lowest Pack
64.	Whatman No. 1 Filter paper	Lowest Pack
65.	Xylol	Lowest Pack



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Dr. Pappan P. Thomas  
Head, Botany



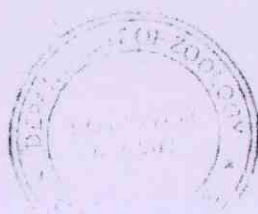
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## Dept. of Zoology 2023

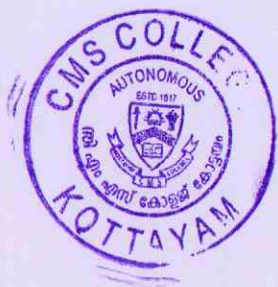
Sl. No	Name of chemical	Quantity
1	Acetic Acid Glacial	500ml X2
2	Schiffs Reagent	125ml
3	Acetone	500ml
4	Diphenylamine	250gr X2
5	Glucose	500gm
6	Aceto carmine solution	100ml X2
7	Aceto orcine solution	100ml X2
8	Haematoxyline Solution	125ml X2
9	Diethyl Ether	500ml
10	Phosphoric acid	500ml X2
11	Hydrochloric acid	500ml
12	Paraffin Wax with ceresin	1Kg X2
13	Potassium hydroxide	500gm
14	Leishman stain	500ml
15	Agar Agar bacteriological	250gm X2
16	Ninhydrine	10gm X2
17	Eosin	125ml
18	Chloroform	2.5 Ltr X2
19	Orcein Powder	5gm
20	Borax carmine	100ml
21	Safranin Stain Sol.	125ml
22	Grams Iodine Sol.	125ml
23	Crystal Violet Sol.	125 ml
24	Manganous Sulphate	500gm
25	Sodium Citrate	500gm X2
26	Olive Oil	100ml
27	Propionic Acid	500ml X2
28	Benedicts Reagent	500ml
29	Periodic Acid	25gm X2
30	Ferrous ammonium sulphate	500gm
31	Peptone	250gm
32	Nutrient agar	100gm X2
33	Anti A, B, D	5ml
34	RBC Diluting Fluid	125ml
35	Formaldehyde	5 Ltr X2
36	Potassium hydroxide pellets	500 gm



  
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### List of Equipments

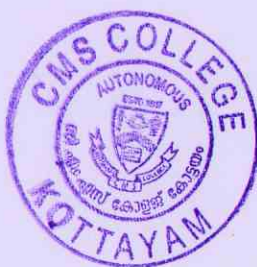
No	Department of Chemistry
1	Digital Potentiometer
2	Thermometer 1/10
3	Cork (2 hole)
4	Filter paper
5	Whatman Filter Paper Grade No 1
6	Funnel (65mm Diameter)
7	Wire Gause
8	Crucible Tongs Stainless Steel
9	Wood Chrome Plated Test Tube Holder, 22 - 32 Mm
10	Borosilicate Glass PIPETTE Volumetric – 10ml
11	Borosilicate Glass PIPETTE Volumetric – 20ml
12	Glass dropper 25 cm long for laboratory use with powerful rubber sucker, size 8 inches long
13	Test tube (15ml)
14	Test Tube 25mm x 150 mm, Capacity 55 ml (Boiling Tube)
15	Stop Clock



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**Department of Physics**

Sl.No	ITEM
1	Digital IC Trainer Prominent make, five year warranty. Five Logic Inputs with De bouncing Circuit and LED indication Eight Logic Monitors One Mono Pulser (Manual Pulse) 5V Digital Supply With Short Circuit Protection 4 Nos 20Pin ZIF Socket with Digital Supply and Spring Type Terminals Analog Circuit Trainer Section : Regulated Power supply $\pm 12V$ with Protection Sine Wave Signal Source (Approx. 4KHz), 0-2V Variable for Amplifier Experiments 30V Variable Power Supply with Short Circuit Protection and Voltage Display
2	Prism High quality
3	Digital Multimeter , True RMS - DM-86 3½ Digit Multimeter with Backlight 1,999 Count Non Contact Voltage (NCV) Auto Power Off (APO) under natural operation True RMS, Diode Test NCV Transistor Testing Input impedance 10M $\Omega$ Continuity Buzzer Approx. <30+10 Sampling Rate 3 times per second Low Battery Display Approx. <7.5V AC Frequency Response 40-400Hz
4	Analog Multimeter
5	Spectrometer - Normal Spectrometer- 7", 1Min Heavy casted iron base fitted with prism table, standard size grating holder and level screws. Telescope and collimator can be moved resorting rack and pinion. Collimator has square slit. Telescope contains Achromatic objectives, Eye piece-10x fitted with cross ware.- Labtra make with Two Years warranty
6	LASER (He-Ne ) with Two Year warranty and Stand
7	Diode LASER with Stand
8	Diffraction Grating
9	torsion pendulum
10	screw gauge(SS)
11	Vernier calipers(SS)
12	High quality Mercury Vapour bulb
13	Rheostate (1000 ohm)
14	Rheostate (300 ohm)
15	Voltmeter- ( 0-10)V
16	Micro Ammeter- (0-250)
17	Milli Ammeter (0-100mA)
18	Freezer
19	Hall Effect Crystal

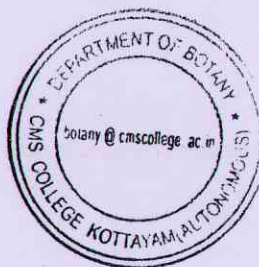


  
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DEPARTMENT OF BOTANY  
CMS COLLEGE KOTTAYAM (AUTONOMOUS)

	List of Equipments
1	Single distillation unit with Auto cut-off
2	Micropipette 100-1000μL
3	Micropipette 20-200μL



*[Signature]*

Dr. Raymond G. Dennis  
Head, Biology

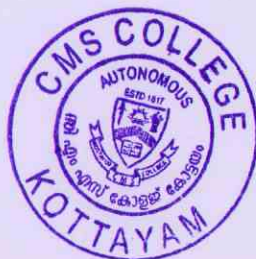


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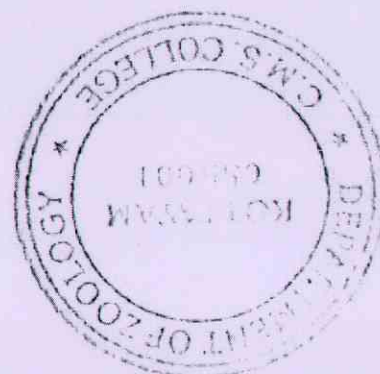
## Department of Zoology

Name of the Instrument
1. Paraffin wax bath
2. Pressure cooker (25 l) for sterilization



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DEPARTMENT OF PHYSICAL EDUCATION  
Purchase of Sports equipments

1	Cricket bat English Willow Ppremium	2 nos
2	Slugger Luis villa	2nos
3	Cricket Ball SG Club	60
4	Cricket ball SG Bouncer	75
5	Baseball	20
6	Softball Carbon	20
7	Volleyball Super Volley	10
8	Basketball Premium	10
9	Football Premium	10
10	Wrestling Shoe Premium	12
11	Jersey and shorts Exel Selina	10 set
10	Volley Shoes	12nos
11	Kabaddi Shoes	12 nos



  
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