

**CMS COLLEGE, KOTTAYAM (Autonomous)**  
**Kottayam – 686001, Ph: 0481 – 2566002**

Tender No. No. CMS/PD/01/2018-19 & CMS/UGC/Heritage/02/2018-19

**TENDER NOTICE**

- 1) Competitive tenders are invited for supply of Chemicals & Sports Goods (PD Fund); Computer & accessories (UGC Fund).
- 2) Competitive Limited Tenders are invited from Total Service Providers for the Digitalization of archival documents/ books (UGC Fund)

**Further details visit [www.cmscollege.ac.in](http://www.cmscollege.ac.in)**

Kottayam  
18.03.2019

sd/-  
Principal, CMS College, Kottayam

## **LIMITED TENDER**

Competitive Limited Tenders are invited from Total Service Providers for the Digitalization of archival documents/ books (UGC Fund)

Tender details are available in the college web site [www.cmscollege.ac.in](http://www.cmscollege.ac.in)

Tender forms are issued in the college office from 18/03/2019 to 25/03/2019 10.30am) (exempt holidays)

Tender cost as per government of Kerala rules

EMD 2.5% of estimated Amount

Last date of submission of tender forms on or before 25-03-2019 11am

Opening of tender forms 25.03.2019 12pm

### **Digitalization of archival documents/ books**

**PAC – 10 Lakh**

The scope of the work includes the following.

- Digitizing the rare book and other relevant records in the Collins Library of CMS College, Kottayam using latest open source & Platform Independent technology.
- The scanned images should have high security features including FIPS-140 compliant AES-256 encryption, Policy protection, etc.
- The digitization work includes document scanning, Image processing, enhancement of Images, conversion to multi page PDF and OCR process, Document Management System (indigenous retrieval system) including meta-tagging, in depth indexing and data

basing, customizing the software, webhosting intra house and training the staff. The search engine needs to be bi-directional & multi-lingual.

- The pages of documents shall be scanned and the output should be stored as images to be 50-80% compressed as compared to standard CCITT G4 / JPEG compression, linearized PDF (ISO 32000- 1:2008), Open Source digital signature software output should be signable without requiring any proprietary / commercial software solution. Multipage PDF/A output should be possible to be extracted for a particular document
- Make provision to add text, relevant specific document pages as and when required with proper approval and security.

As a prelude to finalize the agency for implementing the work, you are invited for a live demonstration on a convenient date between 22/03/2019 to 23/03/2019, with prior intimation to Librarian, Collins Library, CMS College, (Mobile No. 9947975188, email: librarian@cmscollege.ac.in).

Kottayam  
18.03.2019

sd/-  
Principal, CMS College, Kottayam

## **TENDER**

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Tender forms are issued in the college office from 18/03/2019 to 25/03/2019 10.30am) (exempt holidays)

Tender cost as per government of Kerala rules

EMD 1% of estimated Amount

Last date of submission of tender forms on or before 25-03-2019 11am

Opening of tender forms 25.03.2019 12pm

## **TENDER DETAILS**

PAC Amount      Rs.200200/- (Two Lakh Two Thousand only)

1. **Computer** : 3 nos  
Intel Core i3 processor (8<sup>th</sup> generation)  
4 GB DDR 4 Ram  
1 TB Hard disk  
20 inch Monitor  
DVD – RW  
Key Board + Mouse  
5 Year Warranty
2. Laptop : 1Nos  
Intel Core i5 processor (8<sup>th</sup> generation)  
4 GB DDR 4 Ram  
1 TB Hard disk  
15.6 inch Screen  
DVD – RW  
5 year warranty
3. Duplex Laser Printer with warranty : 2 Nos  
Minimum -34-36 ppm  
Duplex A4- 3 in 1 multifunction laser printer : 2 Nos  
with warranty

## **TENDER**

Tender details are available in the college web site **[www.cmscollege.ac.in](http://www.cmscollege.ac.in)**

Tender forms are issued in the college office from 18/03/2019 to 28/03/2019 2 pm  
(exempt holidays)

Tender cost as per government of Kerala rules

EMD 1% of estimated Amount

Last date of submission of tender forms on or before 28-03-2019 3 pm

Opening of tender forms 29.03.2019 11am

## TENDER DETAILS

Chemical      Rs.400000/- (Four Lakh only)

### LIST OF CHEMICALS 2019 – 2020 DEPARTMENT OF ZOOLOGY

	Name of chemical
1	Aceto carmine solution
2	Acetone
3	Acetoorcein solution
4	Acrylamide
5	Agar Agar bacteriological
6	Agarose
7	Ammonium molybdate
8	Amylase enzyme
9	Antimony potassium tartarate
10	API strip for gram positive and gram negative bacteria
11	Ascorbic acid
12	Beef extract
13	Benedicts Reagent
14	Bisacrylamide
15	Biuret reagent
16	Borax carmine
17	Ammonium di hydrogen phosphate
18	Bromophenol blue
19	Casein enzymatic hydrolysate
20	Chemicals for blood grouping (A,B , Rh)
21	Chloroform
22	Cholesterol
23	Chromatography paper
24	Colchicine
25	Crystal Violet Sol.
26	Di potassium hydrogen orthophosphate
27	Diacetyl monoxime
28	Diethyl Ether
29	Diphenylamine
30	Disodium hydrogen phosphate
31	DNA Extraction kit 50 No.
32	DNA ladder
33	EDTA

34	Eosin
35	Eosin methylene blue
36	Ethydium bromide
37	Fehling's Solution A &B
38	Ferrous ammonium sulphate hexahydrate
39	Formaldehyde
40	Glacial acetic acid
41	Glucose
42	Glycerine
43	Gelatin
44	Grams Iodine Sol.
45	Haematoxyline Solution
46	Hydrochloric acid
47	Hydrogen peroxide
48	Iodine
49	Leishman's stain (Nice)
50	Lugols iodine
51	Mac Conkey agar
52	Manganous Sulphate
53	Monopotassium phosphate
54	Methylene blue
55	Neutral Red
56	Nigrosin
57	Ninhydrin
58	Nitroblue tetrasolium
59	Nutrient agar
60	Nutrient broth
61	O toluidine reagent
62	Phenolred
63	Olive Oil
64	Orcein Powder
65	Para nitrophenyl phosphate
66	Paraffin Wax with ceresin
67	Peptone
68	Periodic Acid
69	pH buffer 7, 4 & 9
70	Phosphoric acid
71	Potassium hydroxide pellets
72	Potassium iodide
73	potassium nitrate
74	Potato Dextrose Agar
75	Propionic Acid
76	RBC diluting fluid
77	Riboflavin
78	Safranin Stain Sol.
79	Salicylic acid

80	Schiffs Reagent
81	Sodium Chloride
82	Sodium Citrate
83	Sodium dihydrogen phosphate
84	Sodium Hydroxide Pellets
85	Sodium potassium tartarate
86	Sodium thiosulphate 5 hydrate
87	Sudan black
88	Sulfuric acid
89	Sulphosalicylic Acid
90	Sulphuric acid
91	TEMED
92	Tert-Butanol
93	Tetramethyl para phenylamine diamine dihydro chloride
94	Thiosemicarbazide
95	Toluidine blue Stain
96	Trichloroacetic acid
97	WBC diluting fluid
98	Xylene
99	Yeast extract powder
100	Meat extract
101	Monopotassium phosphate
102	N N Dimethyl 1- Naphthylamine
103	P dimethyl aminobenzaldehyde
104	Pancreatic digest of casein
105	Para dimethylamine cinnamaldehyde
106	Pentanol/ Amyl alcohol
107	Peptone A
108	Skim milk powder for microbiology
109	Sulfanilic acid
110	Trypticase/ proteose peptone
111	Tryptone
112	Phenanthrene
113	Anthrazine
114	Naphthaline



**Department of Physics**  
**CMS College, Kottayam**  
**(2019)**

**Chemicals List**

No	Product No	Description	Cas No	Qty
1	379468-5G	2-Amino-4-methoxy-6-methylpyrimidine	7749-47-5	1
2	80010-100G	Phthalic acid	88-99-3	1
3	31594-250MG	Flufenoxuron (Supelco)	101463-69-8	1
4	45462-250MG	Dithianon (Supelco)	3347-22-6	1
5	259950-100ML	Benzoyl chloride	98-88-4	1
6	221988-500G	Ammonium thiocyanate	1762-95-4	1
7	411027-100ML	Piperidine	110-89-4	1
8	253715-5G	p-Tolyl isothiocyanate	622-59-3	1
9	207942-100G	Hydrazine monohydrate	7803-57-8	1
10	C2432-25ML	Chloroform	67-66-3	1
11	271004-100ML	Acetonitrile	75-05-8	1
12	168637-25G	2,4-Dihydroxybenzaldehyde	95-01-2	1
13	130060-10G	4-Methyl-3-thiosemicarbazide	6610-29-3	1

## CHEMICALS LIST 2019

### ( FOR B.Sc. FAMILY AND COMMUNITY SCIENCE)

1. MOLISCH'S REAGENT	- 15 BOTTLES
2. CONCENTRATED SULPHURIC ACID (500 ML)	-1 BOTTLE
3. FEHLING'S A 50 ML	- 12 BOTTLES
4. FEHLING'S B 50 ML	- 12 BOTTLES
5. BENEDICT'S QUALITATIVE REAGENT 500 ML	- 6 BOTTLES
6. BARFOEDS REAGENT	- 18 BOTTLES
7. SELIVANOFF'S REAGENT	- 20 BOTTLES
8. GLUCOSE 500 G	- 5 BOTTLE
9. FRUCTOSE 500 G	- 5 BOTTLE
10. LACTOSE 500 G	- 5 BOTTLE
11. MALTOSE 500 G	- 5 BOTTLE
12. SUCROSE 500 G	-5 BOTTLE
13. PHENYLHYDRAZINE HYDROCHLORIDE 500 G	- 8 BOTTLE
14. SODIUM ACETATE 500 G	- 6 BOTTLE
15. CONCENTRATED HYDROCHLORIC ACID 500 ML	- 2 BOTTLE
16. AMMONIUM OXALATE 500 G	- 2 BOTTLE
17. ACETIC ACID 500 ML	- 2 BOTTLE
18. BENEDICTS QUANTITATIVE 500 ML	- 5 BOTTLES
19. POTASSIUM PERMANGANATE(250G)	- 1` BOTTLES
20. ANHYDROUS SODIUM CARBONATE 500 G	- 6 BOTTLES
21. WHATMAN FILTER PAPER NO.40	- 6 PACKETS
22. OXALIC ACID 500 G	- 3 BOTTLE
23. AMMONIA SOLUTION 500 ML	- 2 BOTTLE
24. SODIUM HYDROXIDE PELLETS (500G)	- 2 BOTTLE
25. SODIUM TUNGSTATE (500G)	- 4 BOTTLE
26. CON.HNO3	-1 Bottle
27. MILLIONS REAGENT	-10 BOTTLE
28. SODIUM HYDROXIDE(500G)	-3 BOTTLE
29. POTTASSIUM THIOCYANATE(500)	-1 BOTTLE
30. AMMONIUM MOLYBDATE (500)	-1 BOTTLE

**DEPARTMENT OF CHEMISTRY**  
**C M S COLLEGE, KOTTAYAM**

**List of Chemicals**

1. Acetic acid (Glacial)	2.5 Litter
2. Acetone	2.5 Litter
3. Aluminium Nitrate	500gm
4. Aluminium Sulphate	500gm
5. Ammonia Solution	2.5 Litter
6. Ammonium Borate	500gm
7. Ammonium Phosphate	500gm
8. Ammonium Fluoride	500gm
9. Ammonium Chloride	500gm
10. Ammonium Carbonate	500gm
11. Ammonium oxalate	500gm
12. Aniline	500ml
13. Acetanilide	500gm
14. Barium Chloride	500gm
15. Barium Nitrate	500gm
16. Benzaldehyde	500gm
17. Benzene	500gm
18. Benzoyl Chloride	500ml
19. Biphenyl	250gm
20. Calcium Carbonate	500gm
21. Calcium Chloride	500gm

22. Calcium Fluoride	500gm
23. Copper sulphate	500gm
24. Chloroform	2.5 Litter
25. Citric acid	500gm
26. Camphor	100gm
27. Clove oil (Merk)	100ml
28. Cinnamic acid	500gm
29. Cobalt nitrate	250gm
30. D. Glucose	500gm
31. Disodium hydrogen phosphate	500gm
32. Diethyl Ether	500ml
33. Eriochrome black T	100gm
34. Ferrous ammonium sulphate	500gm
35. Ferric ammonium sulphate	500gm
36. Filter paper (ordinary)	100sheet
37. Filter paper (What man No1, 110)	100 Nos
38. Fusion tube	1 Packet
39. Glycerol	500ml
40. Hexane	2.5 Litter
41. Hydrochloric acid	2.5 Litter
42. Hydrogen peroxide	2.5 Litter
43. Hydroxyl amine hydrochloride	250gm
44. Iodine	100gm
45. Lead acetate	500gm
46. Lead peroxide	500ml
47. Lemon grass oil	100ml
48. Lithium carbonate	500gm
49. Lithium sulphate	500gm

50. Magnesium Sulphate	500gm
51. Magnesium carbonate	500gm
52. Manganese acetate	500gm
53. Manganese sulphate	500gm
54. Manganese dioxide	500gm
55. Mercuric chloride	100gm
56. Methyl orange	100gm
57. Methylene blue	100gm
58. Methyl benzoate	500gm
59. N-Phenyl anthranilic acid	100gm
60. Nitric acid	2.5 Litter
61. Nitro benzene	500ml
62. Naphthol Beta	500gm
63. Naphthol Alpha	500gm
64. Nickel ammonium sulphate	500gm
65. Naphthalene	500gm
66. Olive oil	100ml
67. Oxalic acid	500gm
68. Petroleum ether	2.5 Litter
69. Phosphoric acid	500ml
70. Phthalic acid	500gm
71. Phenyl hydrazine	
72. Phenol	500ml
73. Potassium iodide	500gm
74. Potassium Chloride	500gm
75. Potassium sulphate	500gm
76. Potassium thiocyanate	500gm
77. Potassium permanganate	500gm

78. Potassium bromide	500gm
79. Potassium bromated	500gm
80. Potassium dichromate	500gm
81. Potassium ferrocyanide	500gm
82. Potassium ferric cyanide	500gm
83. Potassium hydroxide	500gm
84. Potassium hydrogen phthalate	500gm
85. Picric acid	500ml
86. Resorcinol	500ml
87. Silica gel (colourless)	500gm
88. Sodium hydroxide	500gm
89. Sodium carbonate AR	500gm
90. Sodium bicarbonate	500gm
91. Sodium chloride	500gm
92. Sodium thiosulphate	500gm
93. Sodium metal	500gm
94. Sodium bisulphite	500gm
95. Strontium nitrate	500gm
96. Starch	1kg
97. Sulphuric acid	500 ml /2.5 Litter
98. Sodium nitrite	500gm
99. Salicylic acid	1kg
100. Succinic acid	500gm
101. Stannous chloride	100gm
102. Thiourea	500gm
103. Urea	1kg
104. Zinc acetate	500gm
105. Zinc Sulphate	500gm

106. Zinc dust	500gm
107. Uranium Nitrate	25gm
108. Tin Metal Granulated	100gm
109. Thorium Nitrate	100gm
110. Zirconium Nitrate	100gm

*Tommy Danner*



## Department of Botany

	Chemicals/solvents	Quantity required
1	1- Butanol	Lowest quantity
2	2 methoxy ethanol	Lowest quantity
3	Absorbent cotton	Lowest quantity
4	Acetic acid	Lowest quantity
5	Aceto Orcein	Lowest quantity
6	Acetocarmine sol.	Lowest quantity
7	Acetone	Lowest quantity
8	Acetonitril	Lowest quantity
9	Agar Agar- Bacteriological	Lowest quantity
10	Agar Agar- Tissue culture	Lowest quantity
11	Agarose (Mol bio)	Lowest quantity
12	alpha naphthyl amine	Lowest quantity
13	Ammonium molybdate tetrahydrate	Lowest quantity
14	Ammonium sulphate	Lowest quantity
15	Aniline blue	Lowest quantity
16	Anthrone reagent	Lowest quantity
17	barium chloride	Lowest quantity
18	Basic Fuchsin	Lowest quantity
19	Beef extract	Lowest quantity
20	Benzene	Lowest quantity
21	Biotin	Lowest quantity
22	Biuret reagent	Lowest quantity
23	Boric acid	Lowest quantity
24	Bradford reagent	Lowest quantity
25	Buffer solution- 4, 7 10	Lowest quantity
26	Burks nitrogen free medium	Lowest quantity
27	Calcium Chloride Dihydrate	Lowest quantity
28	Calcium Nitrate Tetrahydrate	Lowest quantity
29	Carbinol	Lowest quantity
30	Chloroform	Lowest quantity
31	Citric acid	Lowest quantity
32	Cobalt(II) Nitrate Hexahydrate	Lowest quantity
33	Coomassie brilliant blue 250	Lowest quantity
34	Copper(II) Sulfate Pentahydrate	Lowest quantity
35	Deionised water	Lowest quantity
36	Diethyl ether	Lowest quantity
37	Dimethyl sulfoxide	Lowest quantity
38	dipotassium hydrogen orthophosphate	Lowest quantity
39	Disodium hydrogen phosphate	Lowest quantity
40	DMSO	Lowest quantity
41	DPX	Lowest quantity
42	EDTA disodium salt	Lowest quantity
43	Ethidium Bromide	Lowest quantity
44	Ethyl acetate	Lowest quantity



45	Ethylenediaminetetraacetic Acid	Lowest quantity
46	Euparal	Lowest quantity
47	Ferric ammonium citrate	Lowest quantity
48	Ferric chloride	Lowest quantity
49	Filter paper- Watman-1, 42	Lowest quantity
50	Folin ciocalteu reagent	Lowest quantity
51	Formalin	Lowest quantity
52	Glycerol	Lowest quantity
53	H <sub>2</sub> SO <sub>4</sub>	Lowest quantity
54	HCl	Lowest quantity
55	Hexane	Lowest quantity
56	IAA	Lowest quantity
57	Iron(II) Sulfate Heptahydrate	Lowest quantity
58	Iron(III) Chloride Hexahydrate	Lowest quantity
59	Isopropyl alcohol	Lowest quantity
60	KOH	Lowest quantity
61	Labolene	Lowest quantity
62	Lactophenol blue	Lowest quantity
63	Lactose broth	Lowest quantity
64	Lamosolv	Lowest quantity
65	L-tryptophan	Lowest quantity
66	Magnesium Sulfate Heptahydrate	Lowest quantity
67	Manganese(II) Chloride Tetrahydrate	Lowest quantity
68	NaOH	Lowest quantity
69	Ninhydrin	Lowest quantity
70	Non absorbent cotton	Lowest quantity
71	Ortho phosphoric acid	Lowest quantity
72	Paraffin wax with cersan 52-56°C	Lowest quantity
73	Peptone	Lowest quantity
74	perchloric acid	Lowest quantity
75	Petrolume ether	Lowest quantity
76	Petrolume sprit	Lowest quantity
77	Phenol	Lowest quantity
78	Poly Ethylene Glycole	Lowest quantity
79	Poly vinyl pyrrolidone	Lowest quantity
80	Potassium chloride	Lowest quantity
81	Potassium chromate	Lowest quantity
82	Potassium dichromate	Lowest quantity
83	potassium dihydrogen phosphate	Lowest quantity
84	Potassium hydroxide	Lowest quantity
85	Potassium nitrate	Lowest quantity
86	Potassium phosphate (dibasic)	Lowest quantity
87	Potassium sulfate	Lowest quantity
88	Potassium tiosulphate	Lowest quantity
89	pottassium chromate	Lowest quantity
90	SDS	Lowest quantity
91	Silica gel for column chromatography	Lowest quantity

92	Silica gel for TLC	Lowest quantity
93	Silver nitrate	Lowest quantity
94	sodium alginate	Lowest quantity
95	Sodium bicarbonate	Lowest quantity
96	Sodium carbonate	Lowest quantity
97	Sodium chloride	Lowest quantity
98	Sodium chromate	Lowest quantity
99	Sodium dihydrogenortho phosphate	Lowest quantity
100	Sodium metasilicate nonahydrat	Lowest quantity
101	Sodium molybdate dihydrate	Lowest quantity
102	Sodium nitrate	Lowest quantity
103	Sodium sulfate	Lowest quantity
104	Sudan black B	Lowest quantity
105	TEMED	Lowest quantity
106	Tert. Butyl Alcohol	Lowest quantity
107	Thiamine HCl	Lowest quantity
108	Toluene	Lowest quantity
109	Tris base	Lowest quantity
110	TrisHCl	Lowest quantity
111	Vitamin B12	Lowest quantity
112	Zinc sulfate heptahydrate	Lowest quantity

**Sports Items Rs.150000/- (One Lakh  
fifty thousand only)  
Purchase of Sports Equipment for 2018-19**

S.no	Description of the item	Company Name	Brand Name
1	Batting glouse	S G	Test
2	Batting pad	S G	Test
3	Cricket Ball Practise	S G	Bouncer
4	Cricket Ball Match	S G	Club
5	Helmet	SS	
6	Wicket Keeping Gloves	SG	
7	Cone	Vinex	
8	Cricket Kit Bag	SG	
9	Cricket bat	SG	
10	Cricket bat	SS	
11	Cricket bat	Cockabaro	
12	Football	Shining Star	
13	Football Goal Nets		
14	Volleyball	Nivia	
15	Volleyball Net		
16	Basketball	Spartan	
17	Basketball ring Net		
18	Shuttle cock	Yonex	
19	Softball Slugger	Luis	
20	Baseball Slugger	Luis	
21	Softball	Basheen	Champion ship 530 c
22	Baseball	Basheen	super plus
23	Cricket Score book		40 innings
24	Gym Floor Mat		6mm Thickness
24	Table Tennis Board	Stag	
25	Net Covering Volleyball Court	2mm twine 70mm square green	29.90ft (L) x 19.80 ft (W) 4.60 ft (H)