



Office of the Principal, N.S.S COLLEGE, NEMMARA

Nemmara College P O, Palakkad [Dt], Kerala.

☎ 04923-244265 / 243265 FAX. 954923241936

Email. nsscollegenemmara@gmail.com

Website: www.nssnemmara.in

RE ACCREDITED BY NAAC WITH A GRADE

No. A1/PD/LAB/261/2022.

Dated. 14.03.2022

TENDER NOTICE

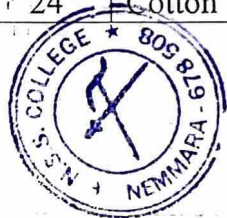
Sealed tenders are invited for the supply of Laboratory equipments, Glasswares, Chemicals to Physics, Chemistry, Botany and Zoology departments of this college during the academic year 2021-2022. Tender forms and other details can be collected from the college for Rs.590/- during the office hours on working days. Last date for the receipt of filled in tender document is 2 pm on 30/03/2022 and the tenders will be opened on the same day at 3 pm. For more details visit www.nssnemmara.ac.in.



Jayabharathi
for
PRINCIPAL
N.S.S. COLLEGE, NEMMARA

Department of Botany, NSS College, Nemmara

Sl. No	Chemical/Equipment name	Number/volume/weight	Remarks
1	Barfoed's reagent	125 ml (1 bottle)	
2	Con. H ₂ SO ₄	500 ml	
3	Distilled water	1 L	
4	Ethanol – 500 ml	500 ml	
5	Fehlings solution	A – 500 ml B -500 ml	
6	Filter paper round	100 Nos.	
7	Formaldehyde	500 ml	
8	Gram stain solution	125 ml (1 bottle)	
9	Molish's reagent	1 bottle	
10	Ninhydrin	125 ml (1 bottle)	
11	pH 4, pH 7, pH 9.2 capsules	Each 5 capsules	
12	Potassium iodide	500 ml (1 bottle)	
13	Seliwanoff's reagent	125 ml (1 bottle)	
14	Sodium chloride	500 gm	
15	Sodium hydroxide	500 gm	
16	Sodium thiosulphate	500 gm	
1	Absorbo transpirometer (Water balance)	1 No.	
2	Ganong's Respirometer	1 No.	
3	Blotting paper	10 sheets	
4	Brush	30 Nos.	
5	Burette	10 Nos.	
6	Burette stand	15 Nos.	
7	Cavity slide	1 box	
8	Conical flask – 250 ml	10 Nos.	
9	Coverslip	6 box	
10	Filter paper	2 boxes	
11	Funnel – glass - medium size	15 Nos.	
12	Glass filter	5 Nos.	
13	Needle	30 Nos.	
14	Paraffin wax	1 Bottle	
15	Pipette – 5 ml	5 Nos.	
16	Spatula	5 Nos.	
17	Specimen jar – 500 ml	20 Nos.	
18	Split cork	20 Nos.	
19	Test tube holder	10 Nos.	
20	Test tube with cork	20 Nos.	
21	Volumetric cylinder – 500 ml, 100 ml, 50 ml	500 ml – 1 No 100 ml – 3 Nos. 50 ml – 3 Nos.	
22	Wilmot's bubbler	2	
23	Winkler bottle	10 nos.	
24	Cotton	1 roll	



NSS College Nemmara

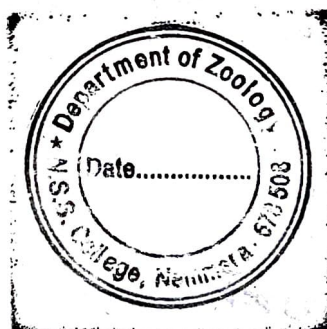
PRINCIPAL
NSS COLLEGE, NEMMARA

14/3/22

LIST OF CHEMICALS/ GLASSWARES/ EQUIPMENTS

SI No.	Product Name	Quantity
1	Test tube cleaning brush	5
2	Cotton	2 rolls
3	Burette stand	10
4	Burette	10
5	Dropper	10
6	Glass Funnel	3
7	Dissection board	25
8	Plastic tray	25
9	Ocular and stage micrometer	4
10	Weighing balance upto 20 gm	1
11	Biurette reagent	3
12	Molisch's reagent	3

[Signature]
For HOD



[Signature]
PRINCIPAL
N.S.S. COLLEGE, NEMMARA

LIST OF CHEMICALS, GLASSWARES AND EQUIPMENTS REQUIRED FOR THE ACADEMIC YEAR 2022-23

Sl No:	Chemical	Quantity	Brand Merck/Nice/ Qualigens/Spectrum/any other reputed brands
1.	Acetanilide	500 g	
2.	Acetic acid glacial	2.5 l	
3.	Acetone (2.5L)	2.5 l	
4.	Acetophenone	500 ml	
5.	Alizarin red	100g	
6.	Aluminium acetate	500 g	
7.	Aluminium nitrate	500 g	
8.	Aluminium sulphate	500 g	
9.	Ammonia solution	2.5 l	
10.	Ammonium acetate	500 g	
11.	Ammonium carbonate	500 g	
12.	Ammonium chloride	500 g	
13.	Ammonium dihydrogen o-phosphate	500 g	
14.	Ammonium ferric sulphate	500 g	
15.	Ammonium ferrous sulphate	500 g	
16.	Ammonium meta Vanadate	500g	
17.	Ammonium Molybdate	500g	
18.	Ammonium oxalate	500 g	
19.	Ammonium sulphate	500 g	
20.	Ammonium thiocyanate	100 g	
21.	Amyl alcohol	500 ml	
22.	Aniline	500 ml	
23.	Anthranilic acid	100g	
24.	Barium acetate	500 g	
25.	Barium carbonate	500 g	
26.	Barium chloride	500 g	
27.	Barium nitrate	500 g	
28.	Barium sulphate	500 g	
29.	Benzaldehyde	500 ml	
30.	Benzene	500 ml	
31.	Benzoic acid	500 g	
32.	Benzophenone	500 g	
33.	Benzoyl chloride	500 ml	
34.	Benzyl chloride	500 ml	
35.	Biphenyl	500 g	
36.	Borches reagent	100ml	
37.	Bromine Ampules	5 ampule	
38.	n-Butanol	500 ml	
39.	Calcium acetate	500 g	
40.	Calcium carbonate	500 g	
41.	Calcium chloride	500 g	
42.	Calcium fluoride	500 g	

43.	Calcium nitrate	500 g	
44.	Calcium sulphate	500 g	
45.	Carbon tetrachloride	500 ml	
46.	Ceric ammoniumsulphate	500g	
47.	Charcoal powder	1 Kg	
48.	Chlorobenzene	500 ml	
49.	Chloroform	500 ml	
50.	Chloroaniline	500 ml	
51.	Para Chlorophenol	500 gm	
52.	Cinnamic acid	500 g	
53.	Cobalt nitrate	100g	
54.	Conc Hydrochloric acid	2.5 l	
55.	Conc. Nitric Acid	2.5 l	
56.	Conc Sulphuric acid	2.5 l	
57.	Cupric nitrate	500 g	
58.	Copper sulphate	500g	
59.	D-glucose anhydrous	500 g	
60.	Dimethyl glyoxime	100g	
61.	Diphenylamine	500 ml	
62.	Diphenylcarbazine	100g	
63.	Disodium hydrogen orthophosphate	500 g	
64.	EDTA	100 g	
65.	Eriochrome black T	100g	
66.	Ether	500 ml	
67.	Ethyl acetate	500 ml	
68.	Ethyl Benzoate	500 ml	
69.	Fehlings solution A	250 ml	
70.	Fehlings solution B	250 ml	
71.	Ferric chloride anhydrous purified	500 g	
72.	Ferric nitrate	500 g	
73.	Ferrous sulphate	500 g	Merck
74.	Ferrous sulphide sticks	500 g	
75.	Glycerine (glycerol)	500 ml	
76.	Hydrazine hydrochloride	100g	
77.	Hydroxylamine hydrochloride	100 g	
78.	Iodine	100 g	
79.	Lead acetate	500 g	
80.	Lead carbonate	500 g	
81.	Lead nitrate	500 g	
82.	Lead peroxide	500 g	
83.	Lithium carbonate	500 g	
84.	Magnesium carbonate	500 g	
85.	Magnesium nitrate	500 g	
86.	Magnesium sulphate	500 g	
87.	Magneson reagent	100ml	
88.	Manganese acetate	500 g	
89.	Manganese carbonate	500 g	
90.	Manganese dioxide	100 g	
91.	Manganous sulphate	500 g	
92.	Mercuric chloride	100 g	
93.	Methyl Acetate	500 ml	

94.
95.
96.
97.

94.	Methyl orange	100 gm	
95.	Methyl salicylate	500 ml	
96.	m- nitro benzoic acid	500 g	
97.	Murexide	100 g	
98.	Naphthalene	500 g	
99.	Nessler's reagent	100ml	
100.	Nickel nitrate	500 g	
101.	Ninhydrin	100 ml	
102.	Nitrobenzene	500ml	
103.	N-methyl aniline	500 ml	
104.	N-phenyl anthranilic acid	100 g	
105.	<i>o</i> - Dichlorobenzene	500 g	
106.	Orthophosphoric acid	500 ml	
107.	Oxalic acid dihydrate purified	500 g	
108.	p- cresol	500g	
109.	<i>p</i> - Dichlorobenzene	500 g	
110.	Phenol	500 g	
111.	Phenophthaliene	100 g	
112.	Phenyl hydrazine	100 g	
113.	Phenyl hydrazine hydrochloride	500g	
114.	Phthalic acid	500 g	
115.	Picric acid	100 g	
116.	Potassium bromide	500 g	
117.	Potassium bromate	500g	
118.	Potassium chromate	500 g	
119.	Potassium dichromate	500 g	
120.	Potassium hydroxide	500 g	
121.	Potassium ferricyanide	500 g	
122.	Potassium ferrocyanide	500 g	
123.	Potassium iodide	500 g	
124.	Potassium permanganate	500 g	
125.	Potassium sulphate	500 g	
126.	Resorcinol	100g	
127.	Salicylic acid	500 g	
128.	S- Benzyl thio uronium chloride	500 g	
129.	Schiff's reagent	100ml	
130.	Sodium Selenite	100g	
131.	Silver nitrate	25 g	
132.	Sodium acetate anhydrous	500 g	
133.	Sodium bisulphate	500 g	
134.	Sodium carbonate anhydrous	500 g	
135.	Sodium chloride	500 g	
136.	Sodium hydrogen carbonate	500 g	
137.	Sodium hydroxide pellets	500 g	
138.	Sodium metal	500 g	
139.	Sodium nitrite	500 g	
140.	Sodium nitroprusside	100g	
141.	Sodium sulphite	500 g	
142.	Sodium Sulphide	500 g	
143.	Sodium thiosulphate pentahydrate	500 g	
144.	Stannous chloride	100 g	

145.	Starch (soluble)	500 g	
146.	Strontium carbonate	500 g	
147.	Strontium chloride	500 g	
148.	Strontium nitrate	500 g	
149.	Strontium sulphate	500 g	
150.	Thiourea	500 g	
151.	Thorium nitrate	500g	
152.	Tin Granules	250 g	
153.	Sodium Tungstate	100g	
154.	Urea	500 g	
155.	Zinc acetate	500 g	
156.	Zinc carbonate	500 g	
157.	Zinc dust	500g	
158.	Zinc sulphate	500 g	
159.	Zinc nitrate	500g	
160.	Zirconyl nitrate	500g	
161.	α -naphthol	500 g	
162.	β -Naphthol	500 g	

Wab

Dr. AMBILI.V.K
Asst. Professor & Head
P. G. Department of Chemistry
N. S. S. College Nemmara
Nemmara, PALAKKAD, Pin : 678508



De P
PRINCIPAL
N. S. S. COLLEGE, NEMMAR

LIST OF GLASS WAERS (prefer borosil or any other reputed brand)		
1.	Beaker	100 ml
2.	Beaker	250 ml
3.	Beaker	500 ml
4.	Beaker	1000 ml
5.	Boiling tube	20 ml
6.	Burette (glass Borosil)	50 ml
7.	Burette (plastic)	50 ml
8.	Burette stand with clamp	
9.	Centrifuge tube plastic	
10.	China Dish	Medium
11.	Clay pipe triangle	
12.	Dropper	
13.	Filter Paper ordinary sheet	
14.	Funnel (glass)	
15.	Gas burner	
16.	Glass rod	
17.	Measuring cylinder (plastic)	1000 ml
18.	Measuring cylinder (plastic)	50 ml
19.	Measuring cylinder (plastic) and glass	20 ml
20.	Measuring cylinder (plastic) and glass	10 ml
21.	Mortar & Pestle	
22.	Pipette	20 ml
23.	Pipette	10 ml
24.	Rubber Cork single holed	
25.	Rubber Cork	small
26.	Sensitive thermometer	
27.	Ordinary Thermometer (Leibigs Condenser)	
28.	Spatula	
29.	Standard flask	100 ml
30.	Stoppered bottle	500ml
31.	Tongs	
32.	Tripod stand	
33.	Viscometer	
34.	Watch glass	Large
35.	Whatmann Filter Paper (No:1)	pkt
36.	Whatmann Filter Paper (No:1) sheet	
37.	Whatmann Filter Paper (No:40)	Pkt
38.	Wire gauze	

Handwritten signature

Dr. AMBI. V K
 Asst : Professor & Head
 P. G. Department of Chemistry
 N. S. S. College Nemmara
 Nemmara, PALAKKAD, Pin : 678508

Handwritten signature
PRINCIPAL
NSS COLLEGE, NEMMARA



Instruments Required

1	Melting point apparatus
2	Suction pump
3	Electrical Centrifuge
4	Electric Bunsen burner
5	Glass electrode for pH meter


Dr. AMBILI. V K
Asst. Professor & Head
P.G. Department of Chemistry
N.S.S. College Nemmara
Nemmara, Main Road, Tel. 678508


PRINCIPAL
N.S.S. COLLEGE NEMMARA



N.S.S. COLLEGE, NEMIMARA
PHYSICS DEPARTMENT

LAB EQUIPMENTS – REQUIREMENT 2021-2022

No	Item
1	Optic level
2	Analog C.R.O. - (20MHz)
3	Torsion Pendulum – Disc, Stand, A pair of 200gm mass
4	Spectrometer
5	Potentiometer -Teak wood frame
6	Slotted weight-100gm
7	Knife Edges for bending experiments
8	Slotted Weight Hangers of 50gm
9	Diffraction Grating-2500 lines per inches
10	Thomson's Apparatus -e/m measurement
11	Travelling Microscope for air wedge experiment
12	Capillary Tube of .1cm diameter
13	Tangent Galvanometer
14	Resistance box 1-10000 ohms
15	Resistance box- Fractional
16	Circular coil with one meter long teak board with scale & sensitive magnetometer box.

PRINCIPAL
N.S.S. COLLEGE, NEMIMARA

Head, Department of Physics
N.S.S. College, Nemimara
Palakkad (Dt) - 678 508