

No.A1/PD/LAB/401/2020

Dated: 02-03-2020

TENDER NOTICE

Sealed tenders are invited for the supply of Laboratory equipments, Glasswares, Chemicals to Physics, Chemistry, Botany, Instrumentation and Zoology Departments of this College during the academic year 2019-2020. Tender forms and other details can be collected from the college for Rs. 595/- during the office hours on working days. Last date for the receipt of filled in tender document is 2 pm on 23-03-2020 and the tenders will be opened on the same day at 3 p.m. For more details visit www.nssnemmara.ac.in

(Sd/-) Principal
N.S.S. College, Nemmara

From

The Head, Dr. Ambili V.K
Department of Chemistry,
N.S.S College, Nemmara

To

The Principal
N.S.S College, Nemmara

Sub: Request for inviting tender of chemicals/glasswares/equipments;- reg:

Sir ,

The list of chemicals, equipments and glass wares required in the Chemistry Department for the academic year is attached herewith. Kindly take necessary steps for inviting the tender for the purchase of the same at the earliest.

Thanking you

Yours sincerely

VKB
24/2/2020
(H.O.D)

Dr. Ambili V.K

Head of the Department
Department of Chemistry
NSS College, Nemmara

Nemmara
24-02-2020

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24/2/2020

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LIST OF CHEMICALS, GLASSWARES AND EQUIPMENTS REQUIRED FOR THE ACADEMIC YEAR 2020-21

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 Molybdate	500g	
17.	Ammonium oxalate	500 g	
18.	Ammonium sulphate	500 g	
19.	Ammonium thiocyanate	100 g	
20.	Amyl alcohol	500 ml	
21.	Aniline	500 ml	
22.	Anthracene	100 g	
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.	Benzamide	100 g	
31.	Benzene	500 ml	
32.	Benzoic acid	500 g	
33.	Benzophenone	500 g	
34.	Benzoyl chloride	500 ml	
35.	Benzyl chloride	500 ml	
36.	Biphenyl	500 g	
37.	Borax	500 g	
38.	Borches reagent	100ml	
39.	Bromine Ampules	5 ampule	
40.	n-Butanol	500 ml	
41.	Calcium acetate	500 g	
42.	Calcium carbonate	500 g	

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

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

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



**Head of the Department
Department of Chemistry
NSS College, Nemmara**

LIST OF GLASS WAERS		
1.	Beaker	100 ml
2.	Beaker	250 ml
3.	Beaker	500 ml
4.	Boiling tube	20 ml
5.	Burette	50 ml
6.	Burette stand	
7.	Centrifuge tube plastic	
8.	China Dish	Medium
9.	Clay pipe triangle	
10.	Conical flask	250 ml
11.	Desiccator 10mm	
12.	Desiccator lid	
13.	Dropper	
14.	Filter Paper ordinary sheet	
15.	Funnel (glass)	
16.	Gas burner	
17.	Glass rod	
18.	Measuring cylinder (plastic)	1000 ml
19.	Measuring cylinder (plastic)	50 ml
20.	Measuring cylinder (plastic) and glass	20 ml
21.	Measuring cylinder (plastic) and glass	10 ml
22.	Mortar & Pestle	
23.	Pipette	20 ml
24.	Pipette	10 ml
25.	RB flask with Condenser	100 ml
26.	RB flask	250ml
27.	RB flask with condenser	250 ml
28.	Rubber Cork double holed	
29.	Rubber Cork	
30.	Sensitive thermometer	
31.	Ordinary Thermometer (Leibigs Condenser)	
32.	Separating funnel	250ml
33.	Spatula	
34.	Spot plate	
35.	Standard flask	100 ml
36.	Standard flask	500 ml
37.	Standard flask	1000 ml
38.	Stoppered bottle	500ml
39.	Test tube	15 ml
40.	Tile	
41.	Tongs	
42.	Tripod stand	
43.	Viscometer	
44.	Wash bottle (plastic)	500 ml
45.	Watch glass	Large
46.	Water Condenser	
47.	Weighing bottle with lid	
48.	Whatmann Filter Paper (No:1)	pkt
49.	Whatmann Filter Paper (No:1) sheet	
50.	Whatmann Filter Paper (No:40)	Pkt
51.	Wire gauze	

Instruments Required

1	Melting point apparatus
2	Boiling point apparatus
3	Suction pump
4	pH Meter
5	Electronic weighing balance
6	Electrical Centrifuge
7	Electric Bunsen burner



Head of the Department
Department of Chemistry
NSS College, Nemmara

From,

The Head,

Dept. of Zoology

To,

The Principal.

VSS College Nemmara.

Sir,

I hereby request you to order purchase the following item to the lab of the department from

PD ^{PD} ^{from account}
Name of item
1) Ordinary Students Microscope.

No. required
10 per

PD purchase

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2/3/2020



2/3/2020

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Leekshmi R Chandran

Dr. LEKSHMI R CHANDRAN
ASST. PROFESSOR & HEAD
DEPARTMENT OF ZOOLOGY
VSS COLLEGE NEMMARA

Dr. LEKSHMI R CHANDRAN

Dr. LEKSHMI R CHANDRAN
ASST. PROFESSOR & HEAD
DEPARTMENT OF ZOOLOGY
VSS COLLEGE NEMMARA

From

The Head
Department of Botany
NSS College, Nemmara

To

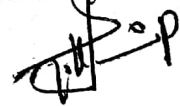
The principal,
NSS College,
Nemmara

Sir,

The list of items required for the Botany laboratory during the academic year 2019-20 is submitting herewith. Necessary steps may kindly be taken to get them at an early date.

Thanking You

Yours faithfully,

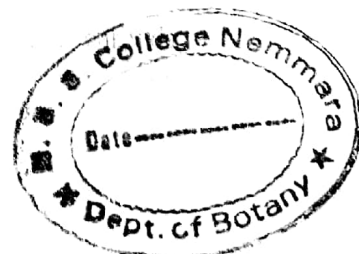


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24/2/2020

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DEPT. OF BOTANY, N.S.S. COLLEGE, NEMMARA

LIST OF EQUIPMENTS/ CHEMICALS /GLASSWARES REQUIRED (Feb 2020)

No.	Name of equipment & glasswares	Quantity
1	Desk top pc HP- intel core, i5, 8GB, 500gb, LED, 19 inches	1
2	Compound microscope – monocular- dollar	10
3	pH meter– 0 to 14 pH (pen type)	1
4	Dissection microscope	10
5	Inoculation hood	1
6	Brush (camel 0')	50
7	Cover slip	10 packets
8	Petri dish (plastic- big)	20
9	Watch glass- big	20
10	Specimen bottle (big)	5
11	Specimen jar	5
	MICROSCOPIC SLIDES	
12	Dicot Embryo	1
13	Monocot embryo	1
14	Xylaria stroma T.S	1
15	Aspergillus conidia	1
	CHEMICALS	
16	Crystal violet stain (250 ml)	1 bottles
17	Acetocarmine stain	1 bottles
18	Iodine solution (100.ml)	3 bottles
19	Acetone (nice)	500 ml
20	Molisch's reagent (100ml)	2 bottles
21	Lactophenol cotton blue stain (100ml)	2 bottles
22	Agar-agar bacteriological (nice)	250 mg
23	Copper sulphate	100 gm

From

Jayalakshmy. A,
Head of the department of Physics
NSS college, Nemmara.

To

The Principal,
NSS college, Nemmara.

Sub: Request for purchasing lab equipments from
the PD Account.

Sir,

The list of lab equipments required in the
physics department for the academic year is attached
herewith. kindly take necessary steps for purchasing
the same at the earliest.

Thanking You.

Yours faithfully,

Jayalakshmy

Nemmara,

24-02-2020

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

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24/2/2020


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DEPARTMENT OF PHYSICS
~~RE~~ LIST OF EQUIPMENTS REQUIRED.

Sl. No.	Items
1	Function Generator (1Hz- 1 MHz)
2	Analog CRO - Aplab 3305s (20MHz)
3	Diffraction Grating - 600 and 1200 lines/mm
4	Carey Fosters Bridge (Teak wood)
5	Circular Coil with one meter long teak board with scale & sensitive magnetometer box.
6	Standard Spectrometer, Circle, Least Count 1 Minute, With Gauss Eye Piece
7	5mW Green diode laser with power supply
8	Deflection magnetometer, one meter long teak board with scale & sensitive magnetometer box.
9	Katers pendulum experimental setup to determine Acceleration due to gravity
10	Carey Foster's bridge-Temperature coefficient of Resistance Setup (Teak Wood)
11	Voltmeter 2V, 5V and 10V
12	Ammeter - 100mA, 500mA, 1A, 100 μ A
13	Moving Coil Galvanometer 0 to 30 divisions
14	Tangent Galvanometer
15	e/m measurement -Thomson's apparatus
16	Searle's vibration magnetometer
17	Single slit for Diffraction experiment (with adjustment of slit width using a micrometer screw.)
18	Parallel plate capacitor with adjustable plate spacing using a micrometer screw.
19	Sensitive magnetometer- Compass box
20	Polarimeter Range (0° to 360°) LC 1/10
21	Power Supply 0V to 15V
22	Laser Detector with Measurement and Display Unit with specification 1) Measurement range : 0 - 199 μ A / mA 2) Detector : Photo Transistor 3)Display : 3 digit, 7 segment LED 4)Resolution : 0.1 μ A / mA

Fayazul

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