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Maharaja Manindra Chandra College

20 RAMKANTO BOSE STREET, KOLKATA - 700 003

Ref. No.....

Date... 08/02/24

NOTICE

Quotations are invited with sealed envelope from the listed vendors for the purchase of the following items for the Department of Chemistry. The quotations should be submitted to the undersigned within 16th February, 2024.

The list of the items with required quantity is attached herewith.

Amazumdar 08.02.24
Teacher-in-Charge

MMC College

Kolkata-3

Teacher-in-charge
M. M. C. College, Kolkata-3

List of Instruments:

Serial No.	Name of the Instrument
1	Digital Potentiometer, preferably systronics-made
2	Digital Conductometer, preferably systronics-made
3	Digital pH Meter, preferably systronics-made
4	Digital Polorimeter, preferably systronics-made
5	Silver Electrode, preferably systronics-made
6	Platinum Electrode, preferably systronics-made
7	Calomel Electrode, preferably systronics-made
8	Colorimeter, preferably systronics-made
9	Calorimeter, preferably systronics-made
10	Melting Point Apparatus, preferably systronics-made
11	Desktop (WINDOWS operating system) Specification: HP/DELL make 1. i5 12th generation processor or higher 2. 500 GB SSD 3. 16GB RAM 4. 21 inch LED display 5. Wireless mouse and keyboard

List of Chemicals (Inorganic):

Serial No.	Name of the chemical/salt
1	Sodium Carbonate
2	Sodium Bi Carbonate
3	Sodium Hydroxide Bead
4	Sodium hydrogen phosphate
5	Disodium Hydrogen phosphate
6	Sodium thiosulphate
7	Borax
8	Boric Acid
9	Sodium Fluoride
10	Sodium Bismuthate
11	Sodium Sulphide
12	Sodium Nitrate
13	Sodium Nitrite
14	Sodium Chloride
15	Sodium Bisulphite
16	Sodium Bromate
17	Sodium Sulphate
18	Sodium Sulphite
19	Sodium Azide
20	Sodium Cobaltinitrite
21	Sodium nitropurusside
22	Potassium Chloride
23	Potassium Bromide
24	Potassium Carbonate
25	Potassium Dichromate
26	Potassium Chromate
27	Potassium Bromate
28	Potassium Sulphate
29	Potassium Nitrite
30	Potassium Iodide
31	Potassium Nitrate
32	Potassium Thiocyanate
33	Potassium Ferrocyanide
34	Potassium Ferricyanide
35	Potassium HydrogenPhosphate
36	Potassium Hydroxide
37	Potassium permanganate
38	Calcium Carbonate
39	Calcium Phosphate
40	Calcium Fluoride
41	Calcium Chloride (anhydrous)
42	Calcium Sulphate
43	Calcium Chromate
44	Calcium Hydrogen Phosphate
45	Barium carbonate
46	Barium Chloride

47	Barium Nitrate
48	Barium Sulphide
49	Barium Sulphate
50	Barium Hydroxide
51	Barium Chromate
52	Barium meta borate
53	Barium phosphate
54	Barium Thiosulphate
55	Strontium Carbonate
56	Strontium Nitrate
57	Strontium Chromate
58	Aluminum Sulphate
59	Aluminum Phosphate
60	Aluminum Carbonate
61	Aluminum Fluoride
62	Alumina (Ignited)
63	Chromium Oxide
64	Chromium Phosphate
65	Chromium Carbonate
66	Chromium Sulphate
67	Manganese Carbonate
68	Manganese Dioxide
69	Manganese Phosphate
70	Manganeous Metaborate
71	Manganeous sulphate
72	Ferrous sulphide (Stick)
73	Ferric Oxide (Ignited)
74	Ferric Phosphate
75	Ferric sulphate
76	Ferrous sulphate
77	Ferric Chloride
78	Cobalt Oxide(Co_3O_4 , CoO)
79	Cobalt Phosphate
80	Cobalt sulphate
81	Cobalt Meta borate
82	Nickel Sulphate
83	Nickel Chloride
84	Nickel Nitrate
85	Nickel Phosphate
86	Nickel Meta borate
87	Nickel sulphide
88	Nickel Oxide
89	Copper Oxide
90	Copper Phosphate
91	Copper Nitrate
92	Copper Sulphide
93	Copper Carbonate
94	Copper Sulphate
95	Copper Meta Borate

96	Zinc carbonate
97	Zinc Oxide
98	Zinc Sulphide
99	Zinc Phosphate
100	Zinc Meta borate
101	Zinc Acetate
102	Silver Sulphate
103	Silver nitrate
104	Lead Acetate
105	Magnesia Mixture
106	Alizarine - S
107	α -Naphthyl Amine
108	Sulphanilic Acid
109	Silica
110	Tin Oxide (SnO_2)
111	Magnesium Carbonate
112	Magnesium Nitrate
113	Sulphur Powder
114	$\text{Na}_2\text{H}_2\text{EDTA}$
115	Iodine
116	Oxalic Acid
117	Mohr Salt
118	E. B. T.
119	Patton Reeder
120	B. D. S.
121	DMG
122	Amyl Alcohol
123	Carbon Tetrachloride
124	Carbon Disulphide
125	Hydrogen Peroxide
126	Ammonium Chloride
127	Ammonium Acetate
128	Ammonium Oxalate
129	Ammonium Sulphate
130	Ammonium Carbonate
131	Ammonium Hydrogen Fluoride
132	Ammonium Molybdate
133	Ammonium Thiocyanate
134	Mercuric Chloride
135	Nitric Acid
136	Sulphuric Acid
137	Hydrochloric Acid
138	Glacial Acetic Acid
139	Orthophosphoric Acid
140	Liquor Ammonia
141	Ammonium Hydroxide
142	Ethanol
143	Methanol
144	Acetone

145	Starch
146	Carbon Di Sulphide
147	Urea
148	Chlorine Water (Strong) Ordinary
149	Mica foil
150	Copper Turnings
151	Fusion mixture
152	Iron nail (Small) ordinary
153	Litmus Paper
154	Tin Metal
155	Sulphur Powder
156	Zn – Granules (small)
157	Zn - Dust
158	Filter Paper 9 cm (Ordinary)
159	Whatman Filter paper 41, 42
160	Resin
161	Sulphamic acid
162	Sodium Oxalate
163	Chrome Alum
164	Vitamin-C
165	Sodium Arsenite
166	Brass
167	Steel
168	Cement (1 Kg)
169	Oxine
170	Perchloric Acid
171	Ethylene Diamine
172	Tributyl Phosphate
173	Sodium Oxalate
174	Sodium Arsenite
175	Antimony Trioxide

List of glass apparatus (Inorganic): (Preferably from Borosil or Riviera)

1. Test tube stand (10-12 tube)
2. Tripod stand with wire gauge
3. Asbestos board
4. Stand with clamp
5. Tongs
6. Burners
7. Watch Glasses
8. Volumetric Flask (100, 250, 500 ml; 1 lit)
9. Reagent Bottle (250, 500 ml, 1 lit , 2 lit, 5 lit)
10. Nickel Crucible
11. Spot Plate
12. Cobalt Blue Glass
13. Hand/electrical centrifuge tube
14. Kipp's apparatus
15. Rubber Tube
16. Silicon Greese
17. Sample Container Plastic Tray
18. Vaccupette

List of Chemicals (Organic):

Sl . No.	Name
1.	Acetone
2.	Aniline
3.	Aniline (Spectroscopy Grade)
4.	Aniline hydrochloride
5.	Anthranilic Acid
6.	p- Aminobenzoic Acid
7.	p-aminophenol
8.	p-Anisidine
9.	p-Anisic acid
10.	Benzoyl Chloride
11.	Benzyl Chloride
12.	Benzophenone
13.	Benzoic Acid
14.	Benzamide
15.	Benzil
16.	o- Chlorobenzoic Acid
17.	p-Chlorobenzoic Acid
18.	Citric Acid
19.	p-Chloroaniline
20.	Decolourising charcoal
21.	Fuming Nitric Acid
22.	Metallic Sodium
23.	β -Naphthol
24.	Nitrobenzene
25.	p-Nitroaniline
26.	m-Nitroaniline
27.	p-Nitrophenol
28.	p-Nitrotoluene
30.	p-Nitrobenzoic Acid
31.	m-Nitrobenzoic Acid
32.	Phthalic Anhydride
33.	Phthalimide
34.	Phthalamide
35.	Phenyl Acetic Acid
36.	p-Hydroxybenzoic Acid
37.	Resorcinol
38.	Soda Lime
39.	Salicylic Acid
40.	Salicylamide
41.	Toluene
42.	Succinic acid
43.	p-Toluidine

44.	Vanillin
45.	Conc. HCl
46.	Conc. HNO ₃
47.	NaOH beads
48.	KOH beads
49.	Rectified Spirit
50.	FeSO ₄
51.	NaHCO ₃
52.	NaNO ₂
53.	Zinc Dust
54.	NH ₄ Cl
55.	NaCl
56.	Sodium sulphite
57.	Sodium Nitroprusside
58.	AgNO ₃
59.	NH ₄ OH
60.	FeCl ₃
61.	2,4-DNP, (Brady's Reagent)
62.	Tartaric Acid
63.	Naphthalene
64.	Urea
65.	Phenyl Benzoate
66.	Anthracene
67.	Biphenyl
68.	Glucose
69.	n-Butyl Alcohol
70.	Cyclohexanol
71.	Ethyl methyl ketone
72.	Cyclohexanone
73.	Acetyl acetone
74.	Isobutyl methyl ketone
75.	Isobutyl Alcohol
76.	Acetonitrile
77.	Acetophenone
78.	Benzaldehyde
79.	p-hydroxy benzaldehyde
80.	p-chloro benzaldehyde
81.	m-Dinitrobenzene
82.	p-nitro benzaldehyde
83.	Formic Acid
84.	Methanol
85.	Chloroform
86.	Glycine
87.	Sucrose
88.	Commercial Vinegar

89.	Formalin solution
90.	Methyl benzoate
91.	Formaldehyde
92.	Ethyl acetoacetate
93.	Potassium bromated
94.	Potassium bromide
95.	Rochelle salt (sodium potassium tartrate)
96.	Litmus paper (red and blue)
97.	Sulphanilic Acid
98.	Sulphanilamide

List of glass apparatus (Organic):

1. Dry test tube
2. Conical Flask (100, 150, 250 and 500 ml)
3. Beaker (100,150, 250, 500, 1000 ml)
4. Wash bottle
5. Watch Glasses
6. Round bottom Flask (100, 150, 250, 500 ml); B24 Joint
7. Reflux Condenser B24 Joint,18 inches
8. Glass Stoppered conical flask (150, 250 ml)
9. Volumetric Flask (100, 250, 500 ml; 1 lit)
10. Reagent Bottle (250, 500 ml, 1 lit , 2 lit, 5 lit)
11. Dropper
12. Glass Tube
13. Glass Rod
14. Glass funnel
15. Fusion Tube
16. Burette (50 ml, Borosil R)
17. Pipette (5 , 10, 25 ml)
18. Graduated pipette (1, 2, 5, 10, 25 ml)
19. Micro Burette (10 ml)
20. Silicon Grease
21. Measuring cylinder (10, 25, 50, 100, 250, 1000, 2000 ml)