

**Department of Chemistry**

INV/NO/.....

Office of the Director

Institute of Science, Nagpur

Date: .....

**To,**

**M/S.....**

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**Subject: Quotation for supply of Chemicals/Apparatus/Glassware's/ Instruments for the Department of Chemistry.**

The **Chemicals/Apparatus/Glassware's/ Instruments** given below are required by Department of Chemistry, Institute of Science, Nagpur. You are therefore requested to submit your last quotation for the above department on or before ..... in sealed cover.

Quotation received in an unsealed cover or after due date may not be accepted. On the sealed cover the following words should be typed **“QUOTATION FOR THE DEPARTMENT”** of **Chemistry.**

While sending your quotation the following conditions should be noted by you.

1. The delivery should be F.O.R. Nagpur including, the packing, forwarding in case of the outside firms. In case of the local leaders it should be F.O.R.
2. The maker of the article/chemical should be mentioned separated along with purity such as A.R., G.R., and L.R. (For chemicals).
3. If you desire to insure then insurance quest be done with the insurance officer, govt. of Maharashtra, Sachivalay, Mumbai-32. No insurance are leviable. In case of local dealers, Octri exemption certificate will be supplied in the R.R. is assigned, to the Director, Institute of Science, Nagpur. If there is any delay in the matter, the matter, the demurrage if any will have to be borne by the firm concerned.
4. The quoting firm should have a valid GST registration.
5. The GST must be entered separately.
6. Only 4/S.T. will be allowed to be charged against A.F. form
7. Documents sent through bank not to be accepted.

**Head  
Department of Chemistry  
Institute of Science  
Nagpur**



**INSTITUTE OF SCIENCE, NAGPUR**  
**(An Autonomous Institute of Government of Maharashtra)**  
Civil Lines, R. T. Road, Nagpur 440001  
NAAC Accredited "A" Grade

Phone: 0712-2561148

Web: [www.iscnagpur.ac.in](http://www.iscnagpur.ac.in)

Email: ioscnagpur@gmail.com

Date: 01.03.2025

**Notice for Inviting Quotation**

The Chemicals/Glassware/Apparatus/Instruments given below is required by Department of Chemistry, Institute of Science, Nagpur. The specifications and details are also provided below. All the Authorized firms therefore requested to submit lowest possible rate quotation for the purchase of **Chemicals /Glassware / Apparatus/Instruments (List Enclosed)** including all taxes in the following format for quotation in a sealed envelope to the **office of the Director, Institute of Science, R. T. Road, Civil Lines, Nagpur-440001** on or before **10/03/2025** (Office working time). The quotation should be in the favour of **Director, Institute of Science, Nagpur.**

**Format for Quotation**

Sr. No.	Items/Particular	Make	Quantity Per Unit /Cap/ Pack	Price Per Unit /Cap/ Pack Exclusive of TAX	Required Quantity	Total	GST%	Total, GST Inclusive
1.								

Quotation received in an unsealed envelope or after due date may not be accepted. The Envelope containing the quotation would please be sealed and super scribed as under:-

**“QUOTATION FOR CHEMICALS/GLASSWARE /APPARATUS/ INSTRUMENTS FOR THE DEPARTMEN OF CHEMISTRY” AGAINST INQUIRY NO.....**

While sending your quotation the following term and conditions should be noted by you.

1. The delivery should be F.O.R. Nagpur including, the packing, forwarding in case of the outside firms. In case of the local leaders it should be F.O.R.
2. Quotations must be in the enclosed prescribed Performa on the letter head of the firm duly signed by the Proprietor/ Partner/ Director or their authorized representative, In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation.
3. The maker of the article/chemical should be mentioned separated along with purity such as A.R., G.R., and L.R. (For chemicals).
4. If you desire to insure then insurance quest be done with the insurance officer, govt. of Maharashtra, Sachivalay, Mumbai-32. No insurance are leviable. In case of local dealers, Octri exemption certificate will be supplied in the R.R. is assigned, to the Director, Institute of Science, Nagpur. If there is any delay in the matter, the matter, the demurrage if any will have to be borne by the firm concerned.
5. The quoting firm should have a valid GST registration.
6. The GST must be entered separately.
7. Only 4/S.T. will be allowed to be charged against A.F. form
8. Documents sent through bank not to be accepted
9. Firm to submit documentary evidence in support of claim of GST at the time of submission of bills.

/-Sd  
**Head,**  
**Department of Chemistry**  
**Institute of Science, Nagpur**



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Date: 01.03.2025

**I. List of Chemicals**

Sr No	Name of the Chemicals	Quantity Per Unit /Cap/ Pack
1	1,10-phenanthroline monohydrate AR	25 gm
2	3,4-Dibromo Aniline	500 gm
3	3,4 Dichloro Aniline	100 gm
4	3,4 Difluoro Aniline	500 gm
5	4 Amino Antipyrine	25 gm
6	4 Phenyl thiosemicarbazide	500 gm
7	4 phenylazo aniline	500 gm
8	8 Hydroxyquinoline	500 gm
9	Acetaldehyde	500 ml
10	Acetamide	500 gm
11	Acetanilide	500 gm
12	Acetic acid	500 ml
13	Acetone	500 ml
14	Acetophenone	500 ml
15	Acetyl Chloride	500 ml
16	Activated Charcoal	500 gm
17	Adipic Acid	500 gm
18	Alfa Naphthol	500 gm
19	Alizarin Ar	100 gm
20	Aluminium Chloride	500 gm
21	Aluminium Sulphate	500 gm

22	Amberlite IR 120 Resin	500 gm
23	Amberlite IR 400 Resin	500 gm
24	Ammonia 30%	500 ml
25	Ammonium Acetate	500 gm
26	Ammonium Chloride	500 gm
27	Ammonium Dichromate	500 gm
28	Ammonium metabisulphate	500 gm
29	Ammonium Sulphate	500 gm
30	Ammonium Thiocyanate	500 gm
31	Ammonium Thiosulphate	500 gm
32	Anhydrous Sodium Carbonate	500 gm
33	Aniline	500 ml
34	Aniline Hydrochloride	500 gm
35	Anthracene	500 gm
36	Ascorbic Acid	500 gm
37	Barium Chloride	500 gm
38	Benedict's Solution	500 ml
39	Benzaldehyde	500 ml
40	Benzamide	500 gm
41	Benzene	500 ml
42	Benzoic acid	500 gm
43	Benzophenone	500 gm
44	Benzoyl Chloride	500 ml
45	Benzyl	500 gm
46	Benzyl Alcohol	500 ml
47	Benzyl Chloride	500 ml
48	Beta Naphthol	500 gm

49	Bromine Ampulse ✓	30	ml
50	Bromocresol Blue Indicator	25	gm
51	Bromophenol Blue Indicator	25	gm
52	Bromopyrogallol Red Indicator	5	gm
53	Buffer tablet pH 4,7,9.2 (20 tab)	1	each
54	Butanol	500	ml
55	Cadmium Chloride ✓	500	gm
56	Calcium Chloride ✓	500	gm
57	Camphor	500	gm
58	Carbon Disulphate	500	ml
59	Carbon Tetrachloride ✓	500	ml
60	Chloroform ✓	500	ml
61	Chromo Alum	500	gm
62	Cinnammic Acid ✓	500	gm
63	Cobalt chloride AR	100	gm
64	Congo Red Indicator	25	gm
65	Copper Acetate	250	gm
66	Copper Chloride ✓	500	gm
67	Copper Nitrate	500	gm
68	Copper sulphate ✓	500	gm
69	Copper turning	500	gm
70	N,N-Dicyclohexylcarbodiimide	100	gm
71	Diethyl Ether	500	ml
72	Dimethyl Aniline	250	ml
73	Dimethyl Glyoxime	500	gm
74	2,4- Dinitrophenyl Hydrazine ✓	100	gm
75	Diphenylamine	100	gm

76	EDTA Disodium Salt	500	gm
77	Dithizone	25	gm
78	DMF	500	ml
79	DMSO	500	ml
80	D-Sucrose	500	gm
81	D-Tartaric Acid	500	gm
82	EBT Indicator	100	gm
83	Ethanol	500	ml
84	Ether Solvent	500	ml
85	Ethyl Acetate	500	ml
86	Ethyl Acetoacetate	500	ml
87	Ethyl Salicylate	500	gm
88	Ethylene Diamine	500	gm
89	Ethylene Glycol	500	ml
90	FAS hexahydrate	500	gm
91	Ferrous Sulphate	500	gm
92	Ferric chloride	500	gm
93	Ferric Chloride Anhydrous	500	gm
94	Ferric Nitrate	500	gm
95	Formaldehyde	500	ml
96	Fructose	500	gm
97	Glacial Acetic Acid	500	ml
98	Glucose	500	gm
99	Glycerol	500	ml
100	Glycine	500	gm
101	Hydrazine Hydrate	100	ml
102	Hydrochloric Acid 37 %	500	ml

103	Hydrogen Peroxide	500	ml
104	Hydroxylamine Hydrochloride	500	gm
105	Iodine	100	gm
106	Iodine Azide	500	gm
107	Iron Sulphide	500	gm
108	Isoleucine	25	gm
109	Isopropanol	500	ml
110	Lead Acetate	500	gm
111	Leucine	100	gm
112	Liquor ammonia	500	ml
113	Lithium Sulphate	250	gm
114	Magnesium Sulphate	500	gm
115	Manolic Acid	250	gm
116	Manganese Chloride	500	gm
117	Manganese Sulphate	500	gm
118	m-Dinitrobenzene	500	gm
119	Mercuric chloride	500	gm
120	m-Nitrobenzoic Acid	500	gm
121	Methanol	500	ml
122	Methyl Acetate	500	ml
123	Methyl Orange	100	gm
124	Methyl Red	100	gm
125	Methyl Salicylate	500	gm
126	Methylene Blue	25	gm
127	Meuroxide	25	gm
128	m-Nitro Benzene	100	gm
129	Chloroacetic Acid	500	gm

130	N,N-Dimethylaniline	500	ml
131	Naphthalene	500	gm
132	n-Butanol	500	ml
133	Nessler's Reagent	250	ml
134	n-Hexane	500	ml
135	Nickel Chloride AR	250	gm
136	Nickel Sulphate	250	gm
137	Nickel Chloride	250	gm
138	Ninhydrin	100	gm
139	Nitric Acid	2.5	litre
140	Nitro benzene	500	ml
141	Orthophosphoric Acid	500	ml
142	Oxalic Acid	500	gm
143	Palladium Chloride	1	gm
144	p-Amino Antipyrine	25	gm
145	p-Amino- phenol	500	gm
146	p-Anisidine	500	gm
147	p-Nitrobenzoic Acid	500	gm
148	Paraffin Oil	500	ml
149	Petroleum ether	500	ml
150	Phenol	500	gm
151	Phenol Red Indicator	25	gm
152	Phenolphthalein Indicator	100	gm
153	Phenyl Hydrazine	500	gm
154	Phenyl Hydrazine Hydrochloride	250	gm
155	Phosphorus Oxychloride	500	ml
156	Phthalic Anhydride	500	gm



157	Picric Acid	500	gm
158	Platinum Chloride	1gm	gm
159	p-Nitroaniline	500	gm
160	p-Nitrophenol	500	gm
161	Polyvinyl alcohol	500	gm
162	Potassium Bromate	500	gm
163	Potassium Bromide	500	gm
164	Potassium Chloride	500	gm
165	Potassium Chromate	500	gm
166	Potassium Dichromate	500	gm
167	Potassium Hydroxide	500	gm
168	Potassium Hydrogen Tartarate	500	gm
169	Potassium Iodide	500	gm
170	Potassium Nitrate	500	gm
171	Potassium Oxalate	500	gm
172	Potassium Per Sulphate	500	gm
173	Potassium Permanganate	500	gm
174	Potassium Sulphate	500	gm
175	Potassium Thiocyanate	500	gm
176	Phthalic Acid	500	gm
177	p-Toluidine	500	gm
178	Pyrrrol	500	gm
179	Quinhydrone	100	gm
180	Resorcinol	500	gm
181	Rubenic Acid	10	gm
182	Ruthenium Tetrachloride	10	gm
183	Salicylic Acid	500	gm

184	Silica Gel For Thin layer Chromatography	500	gm
185	Silver Chloride	25	gm
186	Silver Nitrate	25	gm
187	Silver sulphate	25	gm
188	Sodium Acetate	500	gm
189	Sodium Bicarbonate	500	gm
190	Sodium Bromide	500	gm
191	Sodium Carbonate	500	gm
192	Sodium Chloride	500	gm
193	Sodium Citrate	500	gm
194	Sodium Hydroxide	500	gm
195	Sodium Lauryl Sulphate	500	gm
196	Sodium Metal	500	gm
197	Sodium nitrate	500	gm
198	Sodium Nitrite	500	gm
199	Sodium Nitroprusside	500	gm
200	Sodium potassium Tartarate	500	gm
201	Sodium Suphanilate	500	gm
202	Sodium Sulphate	500	gm
203	Sodium Tartrate	500	gm
204	Sodium Thiosulphate	500	gm
205	Stannus Chloride	250	gm
206	Starch	500	gm
207	Succinic acid	500	gm
208	Sulphanilic Acid	500	gm
209	Sulphuric acid	2.5	litre
210	5-sulphosalicylic Acid	500	gm

211	Thionyl chloride	500	gm
212	Thiourea	500	gm
213	Tin metal	100	gm
214	Tollens reagent	100	ml
215	Toluene	500	ml
216	Urea	500	gm
217	Valine	25	gm
218	Whatman Filter Papper No 40	1pkt	pkt
219	Whatman Filter Papper No 41	1pkt	pkt
220	Whatman Filter Papper No 42	1pkt	pkt
221	Whatman Filter Paper sheet	1nos	nos
222	Xylene	500	ml
223	Zinc Chloride	500	gm
224	Zinc Dust	500	gm
225	Zinc Sulphate	500	gm
226	sucrose	-	-

## II. List of Apparatus/Glassware

Sr No	Name of Glasswares	Quantity Per Unit /Cap/ Pack	
1	Beaker 500 ml	1	Nos
2	Beaker 500 ml plastic	1	Nos
3	Beaker 250 ml plastic	1	Nos
4	Beaker 100 ml plastic	1	Nos
5	Beaker 50 ml	1	Nos
6	Burette 50 ml	1	Nos
7	Burette 25 ml	1	Nos
8	Burette 10 ml	1	Nos

9	Burette 50 ml Plastic	1	Nos
10	Burette 25 ml Plastic	1	Nos
11	Burette 10 ml plastic	1	Nos
12	Burette Stand iron	1	Nos
13	Burette 25ml Teflon	1	Nos
14	Burette 50 ml Teflon	1	Nos
15	Capillary Tube	1	Nos
16	China Dish	1	Nos
17	chromatography colum glass plate	1	Nos
18	Conical Flask 500 ml	1	Nos
19	Conical Flask 100 ml	1	Nos
20	Conical Flask 250 ml	1	Nos
21	Conical Flask 500 ml	1	Nos
22	Water Bath Copper	1	Nos
23	Density Bottle 25 ml	1	Nos
24	Density bottle 10 ml	1	Nos
25	Dewar Flasks	1	Nos
26	Filter Paper rim	1	Nos
27	Fusion Tube	1	Nos
28	Glass Beaker 100 ml	1	Nos
29	Glass Beaker 250 ml	1	Nos
30	Glass Beaker 50 ml	1	Nos
31	Glass Funnel 3 "	1	Nos
32	Glass Rod	1	Nos
33	Graduated Pipette 10 ml	1	Nos
34	Ion Exchange Column	1	Nos
35	Kipps Apparatus 250 ml	1	Nos

36	Kipps Apparatus 500 ml	1	Nos	
37	Measuring Cylinder 10 ml	1	Nos	
38	Measuring Cylinder 50 ml	1	Nos	
39	Pairs Of Tongs	1	Nos	
40	Pipette 20 ml	1	Nos	
41	Pipette 10 ml	1	Nos	
42	Pipette 5 ml	1	Nos	
43	Pipette 1 ml Graduated	1	Nos	
44	Pipette 10 ml Graduated	1	Nos	
45	Pipette 20 ml Graduated	1	Nos	
46	Pipette 25 ml Graduated	1	Nos	
47	Round Bottom Flasks 500 ml	1	Nos	
48	Round Bottom Flasks 250 ml	1	Nos	
49	Round Bottom Flasks 100 ml	1	Nos	
50	Round Bottom Flasks 500 ml	1	Nos	
51	Round Bottom Flasks 250 ml	1	Nos	
52	Round Bottom Flasks 100 ml	1	Nos	
53	Stalganometer	1	Nos	
54	Test Tube Boiling 100 ml	1	Nos	
55	Test Tube Holder	1	Nos	
56	Test Tube With rim 15 ml	1	Nos	
57	Test Tube Boiling 50 ml	1	Nos	
58	Thermometer 110 degree 360 degree	1	Nos	
59	Tripod Stand	1	Nos	
60	Viscometer Ostwald	1	Nos	
61	Volumetric Flasks 1000 ml	1	Nos	
62	Volumetric Flasks 2000 ml	1	Nos	

63	Volumetric Flasks 250 ml	1	Nos
64	Volumetric Flasks 500 ml	1	Nos
65	Volumetric Flasks 100 ml i/ c joint	1	Nos
66	Volumetric-Flasks 50 ml ic/c joint	1	Nos
67	Volumetric pipette 10 ml	1	Nos
68	Volumetric pipette 5 ml	1	Nos
69	Watch Glass	1	Nos
70	Wire gauge	1	Nos
71	Sinter Glass Crucible 30 ml & 40 ml	1	Nos
72	Kjeldahl's Assembly for Estimation of Nitrogen	1	Nos
73	Silica Crucible	1	Nos

### III. List of Instruments/apparatus/Glassware

Sr. No	Name of the Items/instruments, Make/ company and their Specification	Price Per Items/instruments
1.	Digital Conductivity meter	
2.	Handheld Digital Conductivity meter	
3.	Digital Potentiometer Digital Potentiometer with 3½ digit LED display along with 2 electrodes (platinum and reference electrode).	
4.	Digital Flame Photometer Digital Flame Photometer (2F) with filters Sodium (Na) & Potassium (K) 2½ digit LED display (ppm) along with compressor and other accessories Additional Filters Calcium (Ca), Lithium (Li)	
5.	Digital Turbidity Meter Digital Turbidity Meter 3½ digit LED display. Range up to 1000 NTU/JTU in 2 ranges	
6.	Analytical Balance Capacity 200 gm Accuracy 1 mg (0.0001 gm)	
7.	Precision Balance Capacity 200 gm Accuracy 1 mg (0.001 gm)	
8.	Precision Balance Capacity 600 gm Accuracy 1 mg (0.01 gm)	
9.	Viscometer Ostwald	
10.	Stalagmometer Straight	
11.	Copper Water Bath 6"	
12.	Wire Gauze with Frame 150x 150	
13.	Tripod Stand Triangle Type	
14.	Burette with Bosrofslo stopcock 50ml	
15.	Burette with Bosrofslo stopcock 25 ml	
16.	Volume Pipette 5 ml	
17.	Volume Pipette 10 ml	

18.	Conical Flask Narrow Mouth	
19.	Test Tube with rim 15ml	
20.	Test Tube with rim 100 ml	
21.	Glass Beaker 50 ml	
22.	Glass Beaker 100 ml	
23.	Glass Beaker 200 ml	
24.	Measuring Cylinder 10 ml	
25.	Measuring Cylinder 50 ml	
26.	Fusion Tube with bulb	
27.	Filter Paper LAB A 1 Sheet	
28.	Volumetric Flask with i/c Solild stopper 50 ml	
29.	Capillary Tube one end closed	
30.	Glass Funnel Dia 3	
31.	Digital Conductivity meter	
32.	Handheld Digital Conductivity meter	
33.	Replaceable Electrode Module Waterproof Impact resistant ABS case (IP 57).	
34.	Easy Calibration With large LCD display Easy Calibration with Large LCD display for reading convenience. Available in a portable pouch.	
35.	Digital Potentiometer with 3 ½ digit LED display. Digital Potentiometer with 3½ digit LED display along with 2 electrodes (platinum and reference electrode).	
36.	Digital Flame Photometer Digital Flame Photometer (2F) with filters Sodium (Na) & Potassium (K) 2½ digit LED display (ppm) along with compressor and other accessories	
	Additional Filter Calcium Additional Filters Calcium (Ca), Lithium (Li) can be provided at	
37.	Digital Turbidity meter Digital Turbidity Meter 3½ digit LED display. Range up to 1000 NTU/JTU in 2 ranges (Table	
38.	Analytical balance Capacity 200 gm Accuracy Accuracy 1 mg (0.0001 gm)	
39.	Precision Balance Capacity 200gm Accuracy Accuracy 1 mg (0.001 gm)	
40.	Precision Balance Capacity 600 gm Accuracy Accuracy 1 mg (0.01 gm)	

/-Sd

**Dr. Anjali Rahatgaonkar**  
**Professor and Head**  
**Department of Chemistry**  
**Institute of Science, Nagpur**