



# KAZI NAZRUL UNIVERSITY

Nazrul Road, Kalla More, P.O. – Kalla C. H.  
Asansol – 713340, Dist.-Paschim Bardhaman, West Bengal  
Website: [www.knu.ac.in](http://www.knu.ac.in)

## Tender Notice for purchasing of Chemicals and Glasswares for Chemistry Department

Ref. No.: FO/276/KNU/22

Date: 03/03/2022

Kazi Nazrul University intends to purchase certain chemicals and glasswares for its Chemistry Department. Prospective Bidders/ Agencies are requested to submit their lowest possible quotation in a SEALED ENVELOP with our REF. NO. and DATE duly super scribed on the COVER and on the face of the offer letter addressed to “The Finance Officer, Kazi Nazrul University, Nazrul Road, Kalla More, P.O. - Kalla C. H., Asansol-713340, Dist. – Paschim Bardhaman, West Bengal” for the supply of the under mentioned chemicals and glasswares, subjects to the TERMS AND CONDITIONS outlined below.

Last date for submission of quotation is: 18.03.2022 (upto 4:00 pm)

### List of Chemicals and Glasswares:

SINo	Item	Specification	Quantity	Price
1	Cupric Acetate Monohydrate extrapure	AR, 99%, 250 g, SRL	1	
2	Cupric Sulphate Pentahydrate extrapure	AR, 99.5%, 500 g, SRL	1	
3	Sodium Citrate Tribasic Dihydrate extrapure	AR, 99%, 500 g, SRL	1	
4	2,4-Dinitrophenylhydrazine extrapure	AR, 99%, 100g, SRL	1	
5	BROMINE	> 98%, 250 mL, SRL	1	
6	Ammonium Ceric Nitrate extrapure	AR, 99%, 100 gm, SRL	1	
7	Diphenylamine extrapure	AR, ACS, ExiPlus99%, 100g, SRL	1	
8	Sodium Potassium Tartrate Tetrahydrate extrapure	AR, 99%, 500 g, SRL	1	
9	Mercuric Chloride extrapure	AR, ACS, 98%, 25 g, SRL	1	
10	Ethanol Rectified Sprit	5L	1	
11	Ammonia Solution extrapure	AR, 25%, 500 mLx2, SRL	1	
12	Litmus paper 10 Strips/bunches		1	
13	Phthalimide extrapure	AR, 99%, 500g, SRL	1	
14	Aniline extrapure	AR, 99.5%, 500 mL, SRL	1	
15	Sodium Nitrite	500 g, Spectrochem	1	
16	Benzanilide pure, 98%,	100 g, SRL	1	



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17	1-Chloro-2,4-Dinitrobenzene extrapure	AR, 99%, 100 g, SRL	1	
18	Salicylic Acid extrapure	AR, 99.9%, 500g, SRL	1	
19	Terephthalic Acid pure,	98%, 500 g, SRL	1	
20	m-Aminobenzoic Acid pure	98%, 100g, SRL	1	
21	Benzoin extrapure	99%, 100g, SRL	1	
22	Benzophenone ExiPlus	Multi-Compendial, 99%, 500g, SRL	1	
23	Salicylaldehyde pure	99%, 100 mL, SRL	1	
24	Benzamide pure	98%, 100 g, SRL	1	
25	Salicylamide pure	98%, 500 g, SRL	1	
26	Catechol (Pyrocatechol) extrapure	99%, 100 g, SRL	1	
27	Hydrazine Hydrate extrapure	80%, 500 ml, SRL	1	
28	Phenylhydrazine pure	98%, 100 mL, SRL	1	
29	Coumarin pure	98%, 100 g, SRL	1	
30	p-Nitrobenzaldehyde extrapure	99%, 100 g, SRL	1	
31	Picric Acid extrapure	99%, 100 g, SRL	1	
32	Anthracene extrapure	99%, 25 g, SRL	1	
33	p-Anisidine pure	98%, 100g, SRL	1	
34	Calcium Chloride Fused pure	90-95% 500 g	5	
35	ThionylChloride	500 ml	1	
36	Diethylmalonate	500 ml SRL	1	
37	Chloroform	25 L Merck	1	
38	DCM	25 L Merck	1	
39	MeOH	25 L Merck	1	
40	Ethylacetate	25 L Merck	1	
41	Petether or Hexane	25 L Merck	1	
42	Acetone	25 L Merck	1	
43	Ethylene Glycol	5 L	1	
44	Dry THF	2.5 L Finar	1	
45	Dry Acetonitrile	2.5 L Finar	1	
46	Dry DMF	500 ml Finar	2	
47	TLC Aluminium oxide neutral		1	
48	TLC Silicagel 60 F254		1	
49	Ethylenediaminetetraacetic acid disodium salt dihydrate (Extra Pure)		5kg	
50	Ion exchange resin (Amberlite® IRC120 H, hydrogen form)-		1kg	
51	Ion exchange resin (Amberlite® IRA-410 chloride form)-		1kg	
52	Ammonium Sulphate extrapure AR, 99.5%	SRL	2 × 500g	
53	Ferrous Sulphate Heptahydrate extrapure AR, 99.5%	SRL	2 × 500g	



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54	Potassium Dichromate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.9%	SRL	2 × 500g	
55	Potassium Permanganate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%	SRL	2 × 500g	
56	Oxalic Acid Dihydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%	SRL	2 × 500g	
57	Eriochrome Black T extrapure AR	SRL	2 × 100g	
58	Xylenol Orange Tetrasodium Salt extrapure AR, ACS, ExiPlus, Multi-Compendial	SRL	2 × 25g	
59	Ferric Chloride Anhydrous pure, 98%	SRL	2 × 500g	
60	Acetylacetone extrapure AR, 99.5%	SRL	2 × 1000 mL	
61	Citric Acid Anhydrous extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%	SRL	2 × 100g	
62	Sodium dodecyl sulphate AR, ACS, 99%	SRL	500g	
63	Cetyltrimethyl Ammonium Bromide (CTAB) extrapure AR, ExiPlus, Multi-Compendial, 99%	SRL	500g	
64	Sodium Borohydride (powder) extrapure AR, ACS, 98%	SRL	100g	
65	Silver Nitrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.9%	SRL	2 × 25 g	
66	HCl	Finar	2 × 2.5 L	
67	H <sub>2</sub> SO <sub>4</sub>	Finar	2 × 2.5 L	
68	HNO <sub>3</sub>	Finar	2 × 2.5 L	
69	Manganese (IV) Oxide pure, 80%	SRL	500g	
70	H <sub>2</sub> O <sub>2</sub>	SRL	2.5 L	
71	Acetic Acid Glacial extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.9%	SRL	2 × 2.5 L	
72	Lead (II) Acetate Trihydrate pure, 7899%	SRL	500g	
73	Sulphanilic Acid (High Purity) extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%	SRL	100g	
74	Zinc Metal Dust extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%, -325 mesh	SRL	500g	
75	Pt-wire	SRL	20 pcs	
76	Sodium Azide extrapure AR, ACS, 99%	SRL	100g	
77	Iodine Resublimed AR, ACS, ExiPlus, Multi-Compendial, 99.8%	SRL	100g	
78	Sodium Nitroprusside Dihydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99%	SRL	100g	
79	1-Naphthylamine	Spectrochem	100g	
80	Na & K salt of ( CO <sub>3</sub> <sup>2-</sup> , S <sup>2-</sup> , SO <sub>3</sub> <sup>2-</sup> , F <sup>-</sup> , Cl <sup>-</sup> , Br <sup>-</sup> , I <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , S <sub>2</sub> O <sub>3</sub> <sup>2-</sup> , MnO <sub>4</sub> <sup>-</sup> , CN <sup>-</sup> , SCN <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> )	SRL	500g each	
81	Benzaldehyde extrapure AR, ExiPlus, Multi-Compendial, 99%	SRL	2 × 500 mL	
82	m-Nitroaniline extrapure, 99%	SRL	500g	



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83	Sodium Hydroxide Pellets extrapure AR, ACS, ExiPlus, Multi-Compendial, 98%	SRL	500g x 5	
84	Cobalt (II) Chloride Hexahydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99%	SRL	100 g	
85	Cupric Nitrate Trihydrate extrapure AR, ACS, 99.5%	SRL	500g	
86	Potassium Hydroxide Pellets extrapure AR, ACS, ExiPlus, Multi-Compendial, 85%	SRL	500g x2	
87	Borax Anhydrous extrapure AR, 98%	SRL	500g	
88	Potassium Iodide extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.8%	SRL	100g	
89	Ammonium Chloride extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%	SRL	500g	
90	Sodium Carbonate Anhydrous extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.9%	SRL	500g	
91	Ammonium Bicarbonate extrapure AR (Ammonium Hydrogen Carbonate), 99%	SRL	500g + 500g	
92	Ethanol		500 mL x 10 pcs	
93	Buffer capsule pH 7		2 boxes	
94	Buffer capsule pH 4		2 boxes	
95	Buffer capsule pH 10		2 boxes	
96	Triton –X- 100	E-Merck India	1Pckt	
97	Bromocresol Green	E-Merck India	1Pckt	
98	Quine Hydrone	E-Merck India	1Pckt	
99	Sodium Sulphate Anhydrous extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5%	SRL	500 g x2	
100	Ammonium Persulphate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99%	SRL	500g	
101	Potassium Persulphate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99%	SRL	500g	
102	Lithium Aluminum Hydride (Powder)	Sigma-Aldrich	100 ml	
103	Tetra-n-octylammonium Bromide	TCI	25g	
104	Silicon tetrachloride Solution	Sigma-Aldrich	100 ml	
105	Calcium Hydride	SRL	500g	
106	Graduated Pipette of 1ml	Borosil Glass	5 pcs	
107	Silicone Oil for oil baths (from –50°C to +200°C)	2.5 L SRL or Finar	1	
108	Micropipette	(1ml – 5 ml) (Tarson)	1 pc	
109	Pipette Controller	Tarson	4 pcs	
110	Measuring Cylinder 5 ml	Borosil Glass	10 pcs	
111	Floor cover (Mat) for Instrument room	40 ft x 30 ft	...	
112	Graduated Pipette of 1ml	Borosil Glass	5 pcs	
113	Pipette Sucker	Handi Pipette- Pipette aid, capacity 10 mL,	5 pcs	



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		Tarson		
114	Glass Stopper 24 joint, 19 joint, 14 joint	Borosilicate glass	10+10+10 pcs	
115	Round Bottom Flask 24 joint 250 ml	Borosilicate glass	25 pc	
116	Conical Flask 100 mL	Borosilicate glass	25 pcs	
117	Column with stop cockscrew type Size: dia 10 mm x 200 mm length, dia 10 mm x 350 mm length, dia 15 mm x 250 mm length, dia 15 mm x 200 mm length, dia 18 mm x 300 mm length, dia 18 mm x 250 mm length, dia 25 mm x 300 mm length, dia 30 mm x 300 mm length, dia 25 mm x 400 mm length, dia 30 mm x 400 mm length, dia 35 mm x 400 mm length, dia 50 mm x 350 mm length	Borosilicate glass	2 pcs each	
118	Glass Dropper 5 inch with silicon bulb 5ml		2 box	
119	Watch Glass for 50 ml, 100 ml and 250 ml beaker/flask	Borosilicate glass	4 pcs each	
120	Glass Capillary	-	5 box	
121	Guard Tube for 24 joint	Borosilicate glass	20 pc	
122	TLC Chamber small size like 50 mL Beaker height	Borosilicate glass	2 pcs	
123	Measuring cylinder 50 ml	Borosilicate glass	10 pcs	
124	Glass Dropper for 125 mL reagent bottle 19 joint	-	30	
125	Dropping Funnel 25 mL	Borosilicate glass	25	
126	Dropping Funnel 50 mL	Borosilicate glass	25	
127	Glass funnel 8-10 cm diameter	Borosilicate glass	10pcs	
128	Beaker 50 mL	Borosilicate glass	20pcs	
129	Vacuum Trap I/C Joints (32x200)	Borosilicate Glass	4	
130	Solvent Distillation Setup 500 mL	Borosilicate Glass	2	
131	Rotary Evaporator Bump Trap 24 joint both side	Borosilicate Glass	2	
132	Glass reducing/extension adapter B24-B19 and B24-B14	Borosilicate glass	5+5	
133	Culture Tube	Borosilicate glass	1 pack	
134	Gloves	-	1 pack	
135	Round Bottom Flask 24 joint 100 ml	Borosilicate glass	30	
136	Beaker 250 ml	Borosilicate glass	10	
137	Beaker 100 ml	Borosilicate glass	20	
138	Round Bottom Flask 24 joint 50 ml	Borosilicate glass	20	
139	2 neck Round Bottom Flask 24 joint 100 ml	Borosilicate glass	10	
140	Conical flask 250 ml	Borosilicate glass	10	
141	Test tube	Borosilicate glass	200	
142	Glass funnel 75 mm	Borosilicate glass	25	
143	Sintered glass funnel G4 35ml, 80 ml, 125 ml	Borosilicate glass	2 each	
144	Filtering flask 100 ml 24 joint	Borosilicate glass	5	
145	Burette	Borosilicate glass	25	
146	Burette Stand or Retort Stand	Stainless still	25	



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147	Measuring Cylinder 100 ml	Borosilicate glass	10	
148	Test tubeholder	made of brass	20 pcs	
149	Measuring Cylinder 25 ml	Borosilicate glass	10	
150	Magnetic Bar	Assorted	2 packets	
151	Silicon base capacity 25 ml, 50 ml, 100ml, 250 ml and 500 ml Rb flask	-	3 each	
152	Retort Ring for holding 100 ml, 250 ml and 500 ml separating funnel	Stainless Steel	3 each	
153	Spatula Stainless Steel 6 inch, 10 inch, 12-14 inch	Stainless Steel	10+5+5 pc	
154	Twizzer Stainless Steel	Stainless Steel	10 pcs	
155	Microtip for 20 $\mu$ L, 200 $\mu$ L, 1 mL, 5 mL for micropipette	tarson	2+2+2+2 pack	
156	Plastic Syringe 1mL, 5 mL, 10 mL	good quality	2+2+2 pack	
157	Glass Syringe 5 mL	good quality	2 pack	
158	Silicon Septum 24, 19 and 14 joint	Sigma	10+10+10 pcs	
159	White Vacuum Grease 50 g or 100g or 250 g	good quality	1 pack	
160	Permanent marker	good quality	10 pcs	
161	Test Tube Brush	good quality	50 pcs	
162	Brush long for cleaning Column	good quality	10 pcs	
163	Filter Paper	Normal	10 boxes	
164	Filter Paper Whatman-40	Whatman-40	2 boxes	
165	pH papers	45 mm X 7 mm	5 boxes	
166	Ice Box	Tarson	1 pcs	
167	Teflon Spatula	Tarson	5	
168	Wash Bottle 500 ml	New Type	20	
169	Wash Bottle (New Type) 125 ml	New Type	20	
170	Neutral Alumina for Column	2.5 kg	1	
171	MeOH	Spectroscopy grade	2	
172	EtOH	Spectroscopy grade	2	
173	Cuvette	For UV and Fluorescence measurement	1+1	

For any query please write to [hod.chemistry@knu.ac.in](mailto:hod.chemistry@knu.ac.in)

Sd/-  
Finance Officer



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## TERMS & CONDITIONS

1. Quotation should be for FREE DELIVERY at KNU campus, Asansol unless otherwise arranged.
2. Prices quoted should be Net and minimum period of validity of the quotation SHOULD BE FOR 120 DAYS from the closing date.
3. Quotations cannot be CORRECTED after submission.
4. Any Tenderers/Quotationer already having any legal dispute with the University need not to submit the tender.
5. Intending Tenderers/Quotationer must attach a copy of **PAN Card**, **GST Registration Certificate**, **Valid Trade License**, **P.Tax** etc. along with his/her application.
6. Manufacturer's NAME and the COUNTRY OF ORIGIN of the materials offered must be clearly specified failing which the Tender will not be considered.
7. Samples must be attached/sent in all possible cases and where specified so as to reach this office before the DUE DATE of tender. Samples must be labeled clearly with our ENQUIRY NUMBER, DUE DATE, NAME OF FIRM and number on sample must correspond to the items in the tender.
7. All the documents should be authenticated with an official stamp and signature/signatures thereon by the bidder.
8. The tenderers will not be titled to ask for any further information other than whether their tenders have been received or not.
9. Submission of false document(s) / information by the bidder will result in cancellation of bid and the University may take strict action against that bidder.
10. If the University finds that the materials supplied are not of the contract quality or not according to the specification approved by the University or otherwise not satisfactory owing to any reason, of which the University shall be the sole judge, the University shall be entitled to refuse the acceptance of the said materials, cancel the order and buy its requirement elsewhere at supplier's responsibility.
11. Tenderers must as far as possible, arrange to supply the materials according to the terms of delivery specified in the orders. If however, this is not possible, they shall clearly specify the time in which the delivery of the articles can be effected. This delivery time must be strictly adhered to. Failure to supply within the specified time will lead to the cancellation of the order without notice.
12. Being the lowest bidder (L1) in terms of quoted amount (incl. all) may not be the only condition to receive the order, other criteria like having PAN, GSTIN, location of the office, etc. may also be considered during the selection of the eligible bidder. Decision of the University in such cases will be the final.





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13. In case the selected bidder is unable to supply the items after being selected to supply the items or after receiving the respective order from the University, the bidder should immediately inform the University Authority about the same by e-mail. Decision of the University in such case will be the final.
14. If any tenderer proposes to charge GST & Delivery charges, in addition to his quoted rates this fact should be stated specifically in his quotation. In the absence of such statement the rate quoted will be deemed to be inclusive of GST & Delivery charges.
15. Payment will be made after successful delivery of all items.
16. Non Compliance of an order may lead to cancellation of enlistment and no enquiry will be issued in future. Up to 10% of bill value may be deducted for default on delivery.
17. Deduction of all taxes as per norms for each Bill/Invoice shall be made by the Authority at the time of payment.
18. Any dispute which may arise between the bidder and the University regarding this bidding shall be referred to the Vice Chancellor of the University whose decision shall be final and irrevocable in this regard.
19. PAN, GSTIN and Bank details of the bidder are to be mentioned in the bill/ invoice.
- 20. The University reserves the right to accept or reject any TENDER without showing any reason.**

**By Order**