

Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology

Panjab University, Chandigarh

Subject: Request for quotations for chemicals to be purchased under PURSE grant

S.No.	Code	Items	Make/Catalogue No
1	GR	Cobalt nitrate	Sigma aldrich/Merck1.93675.0521
2	GR	Manganese nitrate	Sigma aldrich/
3	GR	Calcium carbonate(pellet)	Merck 1.93666.0521
4	GR	Al ₂ O ₃ (powder)	Sd fine chem. Limited/014075
5	GR	Gamma-Al ₂ O ₃ (Powder)	Sd fine chem. Limited
6	GR	Silicone high vacuum grease(lab)	Loba chemie
7	GR	Auric chloride	Sigma ald rich
8	NS	Graduated pipette	Perfit 282/04
9	NS	Graduated pipette	Perfit 282/06
10	NS	Graduated pipette	Perfit 282/08
11	NS	Graduated pipette	Perfit 283/08
12	NS	Burette	Perfit 266/01
13	NS	Burette	Perfit 266/02
14	NS	Measuring flasks	Perfit 310/11
15	NS	Measuring flasks	Perfit 310/12
16	NS	Measuring flasks	Perfit 311/01
17	NS	Measuring flasks	Perfit 311/02
18	NS	Beakers	Perfit 635/01
19	NS	Beakers	Perfit 635/03
20	NS	Copper Oxide nanoparticles	70 nm
21	NS	Zinc Oxide nanoparticles	120 nm
22	NS	Acetone	
23	NS	Glacial Aacetic Acid	
24	NS	Zinc Acetate	
25	GG	Silver Nitrate	MERCK/61752800251730.00
26	GG	Sodium Borohydride	MERCK/61792701001730.00
27	GG	Glyceryle Mono Stearate	LOBA/397101000.00
28	GG	Coumarin-6	Sigma Aldrich/442631
29	GG	Fluorescein isothiocyanate	Sigma Aldrich/F 7250
30	GG	Genipin	Sigma Aldrich/G 4796
31	GG	Accupipet variable volume pipette (10-100 µl)	Tarson /30030
32	GG	Microtip 100 µl	Tarson /521010
33	GG	pH electrode (glass)	U-systronic
34	BG	Thermometer	0 – 200 degree Celsius
35	BG	Volumetric flask with stopper (50ml)	Borosil glass

S.No.	Code	Items	Make/Catalogue No
36	BG	Measuring cylinder (50ml)	Borosil glass
37	BG	Graduated Pipette + bubbler (10ml)	Borosil glass
38	BG	Funnel (small)	Borosil glass
39	BG	n-Nonane	(AR/LR grade)
40	BG	Ortho- Xylene	(AR/LR grade)
41	BG	Para- Xylene	(AR/LR grade)
42	BG	Meta- Xylene	(AR/LR grade)
43	BG	Acetone	(AR/LR grade)
44	BG	Toluene	(AR/LR grade)
45	BG	Morpholine	(AR/LR grade)
46	SG	Beakers low form (500)	BOROSIL/ BT421000D24
47	SG	Beakers tall form (500)	BOROSIL/ BT421060D24
48	SG	Beaker Tall form (1000)	BOROSIL/ BT421060D29
49	SG	Petry Dish (2")	BOROSIL/ BT223165065
50	SG	Petry Dish (3")	BOROSIL/ BT223165072
51	SG	Petry Dish (4")	BOROSIL/ BT223165077
52	SG	Funnel (100mm)	BOROSIL/ BT536140077
53	SG	Funnel (75mm	BOROSIL/ BT536140071)
54	SG	Culture tube flat bottom(5ml)	BOROSIL/ BT409900005
55	SG	Culture tube flat bottom (15ml)	BOROSIL/ BT409900010
56	SG	Culture tube flat bottom (50ml)	BOROSIL/ BT409900013
57	SG	Crucible, without lid (25ml)	BOROSIL/ 3190009
58	SG	Crucible, without lid (50ml)	BOROSIL/ 3190012
59	SG	Crucible lid (15ml)	BOROSIL/ 3191007
60	SG	Crucible lid (25ml)	BOROSIL/ 3191009
61	SG	Crucible lid (50ml)	BOROSIL/ 3191012
62	SS	Europium (III) Nitrate Pentahydrate, 99.9% metal basis	Sigma Aldrich
63	SS	Magnesium Nitrate Hexahydrate	Emsure
64	SS	Culture tubes with cap FB 5 ml	Rivera
65	SS	Culture tubes with cap FB 15ml	Rivera
66	SS	Silica Crucibles 80 ml	Thiasil
67	SS	Silica Crucibles 150 ml	Thiasil
68	SS	Gloves Sterile	
69	SK	Manganese (II) Nitrate Tetrahydrate	Emsure/ACS/AR Grade
70	SK	Ammonium Fluoride	ACS grade
71	SK	Strontium Nitrate Tetrahydrate	Emsure
72	SK	Potassium dihydrogenate phosphate	Emsure
73	SK	Polystyrene tubes 25 mm x 75 mm	
74	SK	Polypropylene bottles (1litre)	
75	SK	Mortar and Pestle (black stone 6'')	
76	SK	Beakers 1000 ml	Borosil
77	SK	Beakers 500 ml	Borosil
78	SK	HP printer cartridge	Laser Jet Pro MFP M128fn
79	SKK	Isopropyl alcohol	SD Fine/ 20224 L 25
80	SKK	Zinc acetate Dihydrate	Merck/ 1.93692.0521
81	SKK	Thiourea	Merck/ 1.94902.0521
82	SKK	Hydrazine hydrate 99% AR	SD Fine/ 20327 L 05
83	SKK	Quinine sulfate	SD Fine/ 40010 G 25
84	SKK	Ashless filter paper	Whatman (Grade 42)
85	SKK	Cadmium acetate dihydrate	SD Fine/ 37545 K 05
86	SKK	Estrone 99%	SD Fine/ 53018 G 01
87	SKK	N-(2-hydroxyethyl)	SD Fine/ 54147 G 25

S.No.	Code	Items	Make/Catalogue No
88	SKK	Paracetamol EP	SD Fine/ 37007 K 01
89	SKK	Moxifloxacin	Himedia/ EM033-10ST
90	SKK	1,5-Diphenyl Carbazide	Merck/ 61816400101730
91	SKK	N,N-Dimethylformamide	SD Fine/ 38425 L 05
92	SKK	Spatula	Perfit/ 465
93	SKK	Reagent bottles 50 mL 100 mL	Perfit/ 628A/00 628A/01
94	SKK	Ethanol	SD Fine/ 58051L 05
95	SKK	PEG 8000	SD Fine/ 56225 K 05
96	SSB	Gossypol standard	Sigma G8761-100MG
97	SSB	Aniline(AR)	AR grade
98	SSB	Acetone(AR)	AR grade
99	SSB	Soxhlet extraction apparatus	G10565/9 [Supertek]
100	SSB	Pipette(2ml) GRADUATED, MOHR	G10075/2 [Supertek]
101	SSB	Pipette(5ml) GRADUATED, MOHR	G10075/4 [Supertek]
102	SSB	Pipette(10ml) GRADUATED, MOHR	G10075/5 [Supertek]
103	SSB	PIPETTE, DROPPING Pipette with rubber teat, length approx 40 mm.	G10108/4 [Supertek]
104	SSB	FLASK VOLUMETRIC, AMBER, WITH ONE MARK, STOPPER MADE OF POLYTHENE(50 ml)	G10210/5 [Supertek]
105	SSB	FLASK VOLUMETRIC, AMBER, WITH ONE MARK, STOPPER MADE OF POLYTHENE(100 ml)	G10210/6 [Supertek]
106	SSB	FLASK VOLUMETRIC, AMBER, WITH ONE MARK, STOPPER MADE OF POLYTHENE(200 ml)	G10210/7 [Supertek]
107	SSB	FLASK VOLUMETRIC, AMBER, WITH ONE MARK, STOPPER MADE OF POLYTHENE(250 ml)	G10210/8 [Supertek]
108	SSB	FLASK VOLUMETRIC, AMBER, WITH ONE MARK, STOPPER MADE OF POLYTHENE(500 ml)	G10210/9 [Supertek]
109	SSB	FLASK VOLUMETRIC WITH ONE MARK, WITH INTERCHANGEABLE GLASS STOPPER(100ml)	G10215/6 [Supertek]
110	SSB	FLASK VOLUMETRIC WITH ONE MARK, WITH INTERCHANGEABLE GLASS STOPPER(200ml)	G10215/7 [Supertek]
111	SSB	FLASK VOLUMETRIC WITH ONE MARK, WITH INTERCHANGEABLE GLASS STOPPER(500ml)	G10215/9 [Supertek]
112	SSB	FLASK VOLUMETRIC WITH ONE MARK, WITH INTERCHANGEABLE GLASS STOPPER(1000ml)	G10215/10 [Supertek]
113	SSB	MEASURING CYLINDER WITH PLASTIC BASE(10ml)	G10255/2 [Supertek]
114	SSB	MEASURING CYLINDER WITH PLASTIC BASE(25ml)	G10255/3 [Supertek]

S.No.	Code	Items	Make/Catalogue No
115	SSB	MEASURING CYLINDER WITH PLASTIC BASE(50ml)	G10255/4 [Supertek]
116	SSB	MEASURING CYLINDER WITH PLASTIC BASE(100ml)	G10255/5 [Supertek]
117	SSB	MEASURING CYLINDER WITH PLASTIC BASE(250ml)	G10255/6 [Supertek]
118	SSB	MEASURING CYLINDER WITH INTERCHANGEABLE PLASTIC STOPPER(10ml)	G10262/2 [Supertek]
119	SSB	MEASURING CYLINDER WITH INTERCHANGEABLE PLASTIC STOPPER(25ml)	G10262/3 [Supertek]
120	SSB	MEASURING CYLINDER WITH INTERCHANGEABLE PLASTIC STOPPER(50ml)	G10262/4 [Supertek]
121	SSB	NESSLER CYLINDER FOR COLOUR COMPARISON(50ml)	G10270/1 [Supertek]
122	SSB	NESSLER CYLINDER FOR COLOUR COMPARISON(100ml)	G10270/5 [Supertek]
123	SSB	BEAKER, LOW FORM, WITH SPOUT (25ml)	G11540/3 [Supertek]
124	SSB	BEAKER, LOW FORM, WITH SPOUT (50ml)	G11540/4 [Supertek]
125	SSB	BEAKER, LOW FORM, WITH SPOUT (100ml)	G11540/5 [Supertek]
126	SSB	BEAKER, LOW FORM, WITH SPOUT (250ml)	G11540/7 [Supertek]
127	APT	Ethyl acetate	SD Fine/ 20108
128	APT	Acetone	SD Fine/ 37022
129	APT	Hydrazine hydrate	SD Fine/38500
130	APT	Sodium borohydride	SD Fine/40114
131	APT	Sodium hypophosphite	SD Fine/40169
132	APT	Sodium metabisulphite	SD Fine/40180
133	APT	Formaldehyde	SD Fine/20113
134	APT	Silica Gel SELF	SD Fine/40063
135	APT	Whatman filter paper No 41	Whatman/ 41104929
136	APT	Potassium Persulfate	SD Fine/20218
137	APT	Ferric nitrate	SD Fine/38384
138	APT	Zinc nitrate	SD Fine/40614
139	APT	Nitrobenzene	SD Fine/39353
140	APT	Ammonium floride	SD Fine/37167
141	APT	Ammonium metavandate	SD Fine/37186
142	APT	Boric acid	SD Fine/37410
143	APT	Toluene	SD Fine/40452
144	APT	Acetic acid	SD Fine/37013
145	APT	Carbon tetrachloride	SD Fine/37645
146	APT	Nonanoic acid	Sigma Aldrich N29902
147	APT	Ferric (III) Trichloride	SD Fine/38379
148	APT	Molecular sieves 3 A	SD Fine/64002
149	APT	Ethanol (Cleaning solution)	SD Fine/58051
150	AM	Round bottom flask (two neck), Capacity: 500 ml Centre socket:B-24,Side socket: B-19	Perfit
151	AM	Bulb Condenser Length:300mm, Side socket (both side): B-24	Perfit
152	AM	Plain still head (B-24, B-24, socket size B-14)	Perfit
153	AM	Plain bend (B-24)	Perfit
154	AM	Thermometer Pocket (B-19)	Perfit

S.No.	Code	Items	Make/Catalogue No
155	AM	Silicon rubber tubing Bore diameter: 8mm, Wall thickness: 2mm	Perfit
156	AM	Soxhlet extraction apparatus (made up of glass) i) Flask capacity and Extractor capacity: 250 ml and 100 ml (Extractor socket and cone: B-40, B-24 respectively) ii) Flask capacity and Extractor capacity: 500 ml and 200 ml (Extractor socket and cone: B-50, B-24 respectively)	Perfit
157	AM	Dessicator (size: 160 mm)	Perfit
158	AM	Formaldehyde solution (500ml)	Merck (Emplura)
159	AM	Polyacrylamide (100gm packing, Molecular weight: 50 lakhs, National Chemicals)	National Chemicals
160	AM	Glass Beakers 50ml,100ml,150ml,250ml	Perfit
161	AM	Measuring cylinders 10ml, 25ml,50ml,100ml	Perfit
162	AT	Separating funnel 100ml, Socket and cone size B14,	Perfit
163	AT	Separating funnel 250ml, Socket and cone size B14,	Perfit
164	AT	Burette 10ml ,	Fisher brand
165	AT	Pipetter 25ml,	Tarsons
166	AT	Pipetter 10ml,	Tarsons
167	AT	Pipetter 2ml,	Tarsons
168	AT	Pipette 25ml,	Fisher brand
169	AT	Phenolphthalein AR 100g ,	SRL
170	AT	Ethyl acetate 500ml ,	Loba Chemie
171	AT	Lithium bromide anhydrous pure 500g ,	SRL
172	AT	Acetic Acid (glacial) 500ml,	Loba Chemie
173	AT	Copper sulphate pentahydrate 500g,	CDH
174	AT	Funnel, 25mm	Fisher brand
175	AT	Funnel, 50mm	Fisher brand
176	AT	Beakers, 500ml	Fisher brand
177	AT	Beakers, 1000ml	Fisher brand
178	AT	Reagent Bottles, 50ml	Perfit
179	AT	Reagent Bottles, 100ml	Perfit
180	AT	Test Tubes, 75*10 mm	Merck
181	AT	Petridish, 90X15	Fisher brand
182	AT	Petridish, 100X15	Fisher brand
183	AT	Thermometer(0-200 degree C),	Perfit
184	AT	Measuring Cylinder 10ml	Borosil
185	AT	Measuring Cylinder 500ml	Borosil
186	AT	Flask Volumetric (250ml)	Perfit
187	AT	Silicon tubing, Bore dia 5mm,	Perfit
188	USS	Pipette controller	Tarsons/ 2010
189	USS	Desiccator With Covers Neutral Glass	Popular Traders/ PT-711/04
190	USS	Butyrometer Skim Milk	Popular Traders/ PT-525
191	USS	Milk pipettes	Popular Traders/ PT-529
192	USS	Conical tube	Popular traders/ PT-334/02
193	USS	Centrifuge tube	Moxcare/ MCCTB12015

S.No.	Code	Items	Make/Catalogue No
194	USS	Micropipettes	Riviera/ 7720101
195	USS	Petridish	Popular Traders/ PT-634/03
196	USS	Test tube graduated	Lab essentials/ 174573
197	USS	Aspirator bottle with stopcock	Tarsons/ 583210
198	SB	Potassium Metabisulphate	General Lab. Chem and Solvents/ 93842
199	SB	Potassium Chloride	General Lab. Chem and Solvents/ 38630
200	SB	Potassium Sulphate	General Lab. Chem and Solvents/ 26253
201	SB	Magnesium Carbonate	General Lab. Chem and Solvents/ 63818
202	SB	Ferrous ammonium sulphate hydrate	HIMEDIA/ GRM 1026
203	SB	Ceric sulphate	HIMEDIA/ GRM 1443
204	SB	Ferrous sulphate anhydrous	HIMEDIA/ GRM 4376
205	SB	Lithium Chloride	HIMEDIA/ GRM 887
206	SB	Magnesium Chloride	HIMEDIA/ GRM 4340
207	SB	Magnesium Nitrate	HIMEDIA/ GRM 1052
208	SB	Potassium Carbonate	HIMEDIA/ GRM 731
209	SB	Potassium Iodide	General Lab. Chem and Solvents/ 78240
210	SB	Sodium Nitrite	HIMEDIA/ GRM 417
211	SB	Sodium chloride	HIMEDIA/ GRM 853
212	SB	Ammonium Sulphate	General Lab. Chem and Solvents/ 88064
213	SB	Ammonia Solution 25%	General Lab. Chem and Solvents/ 78719
214	SB	Boric acid	General Lab. Chem and Solvents/ 80266
215	SB	Acetonitrile	EMPLURA/ 1.15500.0521
216	SB	Casein Vitamin Free and Fat free	MOLYCHEM/ 13515
217	SB	Bovine serum albumin ph7 fatty acid free	HIMEDIA/ TC348-50G
218	SB	Sodium carbonate anhydrous	EMPLURA/ 1.93611.5021
219	SB	Potassium carbonate	EMPLURA/ 1.93632.0521
220	RKW	Copper oxide (CuO) nanoparticles	Size : 30-50 nm, purity 99+%
221	RG	Aluminium oxide (Al ₂ O ₃) nanoparticles	Size : 30-50 nm, purity 99.5+%
222	AS	Tetrahydrofuran	Loba
223	AS	Hexane	Loba
224	AS	Chloroform	Loba
225	AS	Methanol	Loba
226	AS	Ethanol	AR China
227	AS	N,N' Dimethyl acetamide (DMAc)	Loba
228	AS	L-Lactide	Alfa Aesar
229	AS	1,4 dioxane HPLC	Qualigens
230	AS	Castor oil	Loba
231	AS	Sulphuric acid (AR)	Loba
232	AS	Molecular sieves A4	Loba
233	AS	Phosphoric acid	Loba
234	AS	Cadoxen	

S.No.	Code	Items	Make/Catalogue No
235	AS	Nitric acid (AR)	Loba
236	AS	Ferrous Ammonium sulfate	Loba
237	AS	Potassium dichromate	Loba
238	AS	Sodium Chloride	Loba
239	AS	Pyridine	Loba
240	AS	Potassium permanganate	Loba
241	AS	Potassium sulphate	Loba
242	AS	pH capsules 7.0 pH capsules 4.0 pH capsules 9.2	Merck
243	AS	Ferroun indicator	Loba
244	AS	Cupriethylenediamine	
245	AS	Beaker 100ml	Borosil
246	AS	Beaker 50ml	Borosil
247	AS	Beaker 1000ml	Borosil
248	AS	Beaker 500ml	Borosil
249	AS	Beaker 250ml	Borosil
250	AS	Measuring cylinders 10ml	Borosil
251	AS	Measuring cylinders 50ml	Borosil
252	AS	Test tube with stopper- 20ml	Borosilicate glass
253	AS	Face Mask	
254	AS	Magnetic beads	
255	AS	Culture petri plates 100mm	Borosil
256	AS	Eppendorf 1.5ml	Tarsons
257	MG	Cyclohexane	1.02832.051/Merck
258	MG	Methanol	1.94516.2521/Merck
259	MG	Ethanol	
260	MG	Pipetter	
261	MG	Sodium bicarbonate	1949148/SRL
262	MG	Sodium carbonate	1949157/SRL
263	MG	NaOH pellets	1.93504.1021/Merck
264	MG	Glass vessel	
265	MG	Nitric Acid(R.R)	1.93006.5021/Merck
266	MG	Deionised Water	
267	MG	Watch glass (5")	
268	MG	Porcelain funnel (90mm dia)	
269	MG	Storage bottle (glass) 5 lt	
270	MG	Sample Bottle (2 ml)	
271	MG	Glass rods	
272	MG	Funnel	
273	MG	Cuvette Pair	
274	MG	Tissue Roll	
275	MG	Pipette (20ml, graduated)	282/11, perfit
276	MG	Ph electrode(digital ph meter)	
277	MG	Burette stand	
278	MG	Pipette (10ml, graduated)	282/10, perfit
279	MG	Test tube (25ml + stopper)	344/04, perfit
280	MG	Test tube (50ml +stopper)	344/05, perfit
281	MG	Pipette (25ml, graduated)	282/12, perfit
282	MG	Beaker (500ml)	635/04, perfit
283	MG	Beaker (100ml)	653/02, perfit

S.No.	Code	Items	Make/Catalogue No
284	MG	Measuring cylinder (50ml)	298/04, perfit
285	MG	Measuring cylinder (100 ml)	298/05
286	MG	Acetone	1.94500.2521
287	MG	Test tube stand 12 hole (TARSONS 32mm dia)	1024/02, perfit
288	MG	Test tube stand 36 hole TARSONS 25mm dia)	1024/20, perfit
289	MG	Titration flask (100ml)	310/08, perfit
290	MG	Reagent bottle(125 ml)	627/03
291	MG	Furnance tube	
292	MG	Gas pipe	1175/02, perfit
293	MG	Glass tube(i.d= 2cm, length= 60cm)	

NOTE:

- (i) **Please send the quote in the given sequence only without making any changes and if you are not able to quote any item please put a dash in that column.**
- (ii) **The price/rate so quoted should be per unit or for a pack as the case may be. In case of a pack the quantity in it should be mentioned.**

P.S.

- i) The quotation should be addressed to/in favor of Chairperson, Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh- 160014.
- ii) The validity of the quotation should be for a period of 6 months from the due (last) date of submission of the quotation.
- iii) The item/article, if so ordered for should be delivered (supplied) for this institute i.e. Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh- 160014 within two weeks of date of placing of the supply order.
- iv) The government levies viz- Sales Tax/VAT, Excise Duty, etc, if any, so chargeable should be mentioned in the quotation.
- v) **The make/ model/ type/ detail specifications/configurations, salient features etc. if any, should also be mentioned. Also, the relevant catalogue, if any, be sent along with the quotation.**
- vi) The bill would be processed by the institute within 2 weeks after satisfactory checking of the material.
- vii) The payment would be made by the University as per its norms and procedures.
- viii) The discount if any for academic institutions should also be mentioned.
- ix) The quotation should reach in the office of this institute by 08.04.2015.

(Chairperson)