

**Dr. SS Bhatnagar University Institute of Chemical Engineering & Technology,  
Panjab University, Chandigarh.**

**Subject :-Request for quotations for chemical/glassware to be purchased under  
PURSE grant.**

Sr. No.	Name of items	Make	Cat. No./ CAS No.	In packing of
1.	1-Butanol EMPLURA	Merck life sciences	1.94502.2521	1x2.5 ltr
2.	2-propanol (Specially Dried AR)	CDH	617675	1x2.5ltr
3.	2-propanol AR	CDH	029694	1x2.5ltr
4.	2-propanol for analysis EMSURE	Merck life sciences	1.09634.1000	1x1 ltr
5.	3-Amino-1-propanol for synthesis	Merck life sciences	8.00423.0250	1x250ml
6.	3-imidazol-1-yl-propyl Fuctionised silica Gel	Sigma	-	1x5gm
7.	3Neck bottle digester Cap. 01ltr	-	-	01
8.	3Neck bottle digester Cap. 02tr	-	-	01
9.	4-(2-pyridylazo)-Resorcinol Monosodium Salt	Loba	:16593-81-0	1x1 gm
10.	Acetic acid	Loba	64-19-7	1x2.5ltr
11.	Acetic acid glacial	Merck	1.00063.1000	1x1000ml
12.	Acetic acid glacial 99-100% EMPLURA	Merck life sciences	1.93402.2521	1x2.5 ltr
13.	Acetone	SDFCL	37022 L25	1x2.5 ltr
14.	Acetone	Loba	67-64-1	1x2.5ltr
15.	Acetone	SRL	0129135	1x500ml
16.	Acetone AR	Loba	00012 02500	1x2.5 ltr
17.	Acetone AR	-	-	1x2.5ltr
18.	Acetone AR grade	AVRA	ASA2539(67-64-1)	1X2.5 Ltr
19.	Alpha casein from bovine milk	Sigma Aldrich	-	1x250mg
20.	Aluminium foil 72 mtr	PAL	-	01
21.	Amine Multi walled carbon nanotubes	Platonic nanotech pvt ltd.	PNPL-C04	1x15gm
22.	Ammonia 25%	Merck	1.93100.2521	1x2.5ltr
23.	Ammonia Solution about 25%	Merck	1.93500.2521-2.5L	1x2.5ltr
24.	Ammonium ferrous sulphate	Loba	:7783-85-9	01x500gm
25.	Ammonium molybdate tetrahydrate AR	-	-	01x100gm
26.	Antimony (III) chloride	Sigma	311375-100G	1x100gm
27.	Autopipette 10-100ul	Trsons	030030	01
28.	B-carotene standard	Hi-media	-	01
29.	Beaker 01 ltr	-	-	01
30.	Beaker 02 ltr	-	-	01
31.	Beaker 1000ml	Riviera	70110 54	01
32.	Beaker 100ml	Riviera	70110 24	01
33.	Beaker 250ml	Borosil	-	01
34.	Beaker 500ml	Borosil	1000D24	01
35.	Beaker 500ml	-	-	01
36.	Beaker 800ml	Borosilicate	-	01
37.	Beaker500ml	-	-	01
38.	Beakers 250 ml	Perfit	635/03	01
39.	Benzaldehyde	Fischer scientific	100-52-7	01x500ml
40.	Beta Casein from bovine milk	Sigma Aldrich	-	1x250mg
41.	Bismuth nitrate pentahydrate	Sigma aldrich	248592-500G	1x500gm
42.	Bismuth nitrate pentahydrate	Sigma aldrich	D6899-10G	1x10gm
43.	Boss head12mm	Perfit	1065	01
44.	Buffer capsules (4,7,9)	-	-	01Pack each
45.	Buffer tablets pH7.20	Loba Chemicals	-	1 pack(50 tablets)

46.	Buffer tablets, Ph 4	Hi media	-	02 pack (Pack of 10 no.)
47.	Buffer tablets, Ph 7	Hi media	-	02 pack (Pack of 10 no.)
48.	Calcium carbonate	Merck	1.02066.0250	1x250gm
49.	Calcium Chloride fused	Merck	1.93634.0521	1x500gm
50.	Calcium hydroxide	Merck	1.02047.0500	1x500gm
51.	Calcium Nitrate tetrahydrate	Merck	1.02121.0500	1x500gm
52.	Carboxy Multi walled carbon nanotubes	Platonic nanotech pvt ltd.	PNPL-C03	1x15gm
53.	Carboxymethyl cellulose sodium salt (medium viscosity)	sigma	C 4888(9004-32-4)	1X500GM
54.	Casein (fat free) extra pure	Loba chemicals	-	1x500gm
55.	Casein (hammarsten bovine) extra pure	Sigma Aldrich	-	1x500gm
56.	Centrifuge tubes (15ml, graduated, 120x17mm, glass)	Perfit	331/05	01
57.	Centrifuge tubes (50ml, graduated)	Tarsons	541040	01 pack (12 no.)
58.	Chloroform	Research lab	00 455	1x2.5ltr
59.	Cinnamic acid	Loba	140-10-3	1x500gm
60.	Citric Acid	Loba	5949-29-1	1x500gm
61.	Citric acid	-	-	1x1kg
62.	Citric acid (anhydrous pure)	Loba Chemicals	-	1x500gm
63.	Cno nanoparticles APS=40nm SSA >13m <sup>2</sup> /g	-	-	1x25gm
64.	Conc. Sulphuric acid	Loba	7664-93-9	1x2.5ltr
65.	Conical flask 250ml	-	-	01
66.	Conical flask 500ml	Perfit	636/06	01
67.	Copper acetate	-	-	1x500gm
68.	Copper II Chloride	Loba Chemicals	03072	1x500gm
69.	Crucible	Porcelain	-	01
70.	Crucible Silica with lid 15ml	Perfit	732/01	01
71.	Crucible tong	Perfit	1074/11	01
72.	Crucibles 02 inch	-	-	01
73.	Cumene AR grade	-	-	01 ltr.
74.	Dessicator (160mm)	Perfit	710/02	01
75.	di-ammonium hydrogen phosphate	Merck	1.01207.0500	1x500gm
76.	Dimethyl Sulfoxide	AVRA	ASD2004(67-68-5)	1X2.5Ltr
77.	Dimethyl sulphoxide AR	SD Fine	20323 L 25	1x2.5ltr
78.	DMSO	Sigma aldrich	96-48-0	Min pack
79.	Dopamine hydrochloride	Sigma	H8502(62-31-7)	1x25gm
80.	DPPH	Hi-media	-	01
81.	DSC pan	-	-	01 pack
82.	Ethanol	China	-	01x500ml
83.	Ethanol absolute Analytical CS-reagent	-	-	01x500ml
84.	Ethanol AR	Changshu yangyan chemicals china	XK13-011-00009	01x500ml
85.	Evaporating dish (105x55mm)	Perfit	718/02	01
86.	Face Mask	-	-	01 pack / pack of 100 pcs
87.	Ferric chloride Anhydrous	Loba	7705-08-0	1x500gm
88.	Filter paper (0.45um)	Pall life sciences	-	01 pack
89.	Filter paper (0.22um)	millipore	-	01 pack
90.	Flask with heater Cap. 3 Ltr	Perfit	202A/15	01
91.	Gas generator 500mm	Borosil	6550024	01
92.	Gelatin	Himedia	GRM 019	1x500gm
93.	Glass Rod	-	-	01
94.	Glass slides	-	-	01 pack
95.	Gloves Medium (Purple Nitrile)	-	-	01 pkt
96.	Glycerol Anhydrous EMPARTA	Merck	56-81-5	01x25 Ltr
97.	Gold (III) chloride 99.99%	Sigma Aldrich	254169	1x500mg

98.	Graduated burette with rota stopcock(10ml,graduation division 0.02ml)	Riviera	31402 60	01
99.	Graphene	Platonic nanotech pvt ltd.	PNPL-G01	1x15gm
100.	Graphene oxide	Platonic nanotech pvt ltd.	PNPL-G02	1x15gm
101.	Graphite Powder	Loba	7782-42-5	01x500gm
102.	HCL ACS	Merck	1.93001.0521	01x500ml
103.	Hydrazine hydrate(NH <sub>2</sub> NH <sub>2</sub> .H <sub>2</sub> O)	SIGMA	18412-250ML	01X250 ml
104.	Isopropyl Alcohol (HPLC Grade)	SRL	67-63-0	01x2.5ltr
105.	ITO coated glass	Sigma Aldrich	50926-11-9	01pac
106.	Kappa casein from bovine milk	Sigma Aldrich	-	01x100mg
107.	Lact. Acidophilus, casei, thermophilus	NDRI	-	01
108.	Lactic acid	Loba	0:79-33-4	01x2.5ltr
109.	Lead bromide	Sigma Aldrich	398853-5G	01x5gm
110.	Lead(II) iodide PbI <sub>2</sub> (99.9%)	Sigma Aldrich	554359-5G	01x5gm
111.	Lithium chloride	Sigma	203637-10G	01x10gm
112.	Magnetic beads 1.5cm	-	-	01
113.	Magnetic beads 2.5cm	-	-	01
114.	Malt extract(bacteriology)	SRL	-	1x500gm
115.	Measuring Cylinder 100ml	-	-	01
116.	Measuring cylinder 50 ml	-	-	01
117.	Measuring cylinder graduated 100ml	Perfit	295/05	01
118.	Measuring cylinder graduated 10ml	Perfit	295/02	01
119.	Measuring cylinder graduated1000ml	Perfit	295/08	01
120.	Measuring cylinder graduated2000ml	Perfit	295/09	01
121.	Measuring cylinder10ml	Perfit	296A/02	01
122.	Menthol	Loba	:2216-51-5	01x100gm
123.	Mercuric sulphate	Loba	7783-35-9	01x100gm
124.	Mercurry (II) chloride	Sigma	M1136(7487-94-7)	01x25gm
125.	Mesitylene AR grade	-	-	01 ltr.
126.	Methanol	SD Fine	39192 L 25	01x2.5ltr
127.	Methanol	CDH	67-56-1	01x2.5ltr
128.	Methylamine hydrochloride	Sigma Aldrich	M0505	01x100gm
129.	Methylammonium iodide(MAI)	Sigma Aldrich	14965-49-2	01x5gm
130.	Methylene blue dye	-	-	Min. pack
131.	Micri pipette tips(100-100ul)	Hi-media	-	01
132.	Micropipette 02ml	-	-	01
133.	Micropipette 05ml	-	-	01
134.	Micropipette tips	-	-	01Box
135.	Micropipette(0-1000ul)	Sartorius	-	01
136.	Micropipette(Vol 1000-10000ul)	Riviera	77300 10	01
137.	Microtips 200-1000 uL	Tarsons	521020	01 pack(Pack of 500pcs)
138.	Microtips 2-200 uL	Tarsons	521010	01 pack(Pack of 1000pcs)
139.	Mortar & Pastle	Porcelain	-	01
140.	MRS media	Hi-media	-	01
141.	Multi walled carbon nanotubes	Platonic nanotech pvt ltd.	PNPL-C01	1x15gm
142.	MWCNT(nanotubes) D=20-30nm Length=50-90nm I.D.=0.34nm SSA=90-270m <sup>2</sup> /g	-	-	1x10gm
143.	m-xylene AR grade	-	-	01 ltr.
144.	N,N-Dimethyl formamide EMPLURA	Merck life sciences	8.22275.0521	01x500ml
145.	N,N-Dimethylformamide	Sigma Aldrich	140732-25ml	01x25ml
146.	n-Hexane AR	-	-	01x2.5ltr
147.	N-hexane AR	SDFCL	88485	01x2.5 ltr

148.	Nickel nitrate hexahydrate	CDH	029 322(13478-00-7)	01x500gm
149.	Ortho-phosphoric acid	Merck	1.00573.1000	01x1000ml
150.	o-xylene AR grade	-	-	01 ltr.
151.	Pectin	Loba Chemicals	-	01x100gm
152.	PEDOT:PSS	Sigma Aldrich	655201-5G	01x5gm
153.	Petridishes150x25	Borosilicate	-	01
154.	Petroleum ether AR(60-80)	-	-	1x2.5 ltr
155.	pH Electrode	EUTECH pH Tutor electrode	8034004	01
156.	pH paper strips(1-14)	Hi-media	-	00pack(50strip per pack)
157.	Phosphate buffer solution pH 7.2	Loba chemicals	-	1x2.5Ltr
158.	Pipette 20ml	Perfit	281/08	01
159.	Pipette tips	Tarsons	521010Y	01
160.	Pipettes 10ml	-	-	01
161.	Plastic petriplates(Sterillzable)	-	-	01pack(1000pcs)
162.	Polymethyl methacrylate	Himedia	GRM 1764	01x250gm
163.	Polystyrene cuvette for zetasizer	Malvern	-	100
164.	Potassium hydrogen phthalate extrapure AR 99.9%	-	-	1x500gm
165.	Potassium hydroxide	SD Fine	39628 K 05	1x500gm
166.	Potassium hydroxide pellets EMPLURA	Merck life sciences	1.93503.0521	01x500gm
167.	Potassium hydroxide pellets exposure	-	-	1x500gm
168.	p-Xylene AR grade	-	-	01 ltr
169.	Quartz Cuvettes(UV-VIS) 4 Surface clear full volume3.5ml	Optiglass	-	01pairs.
170.	Reagent bottle 250ml	Borosil	1501021	01
171.	Reagent Bottle(25ml)	Riviera	21801 145	01
172.	Retort clamp15mm-25mm	Perfit	1050	01
173.	Retort Stand 300x175	Perfit	1071/03	01
174.	Salicylic acid	Loba	69-72-7	01x500gm
175.	Sample bottle with glass stopper 100ml	perfit	-	01
176.	Silica crucible with lid 150ml	Perfit	732/06	01
177.	Silica crucible with lid 25ml	Perfit	732/02	01
178.	Silica crucible without lid(15ml)	Riviera	78504 03	01pack(10no.)
179.	Silicon Dioxide Colloidal Hydrate	Loba	63231-67-4	1x1kg
180.	Silver sulphate	Loba	10294-26-5	1x10gm
181.	Slid box	-	-	01pieces
182.	Sodium bicarbonate	-	-	01x500gm
183.	Sodium hydroxide	CDH	030167 (1310-73-2)	01x500gm
184.	Sodium hydroxide	-	-	01x500gm
185.	Sodium hydroxide pellets AR	CDH	643525	01x500gm
186.	Sodium hydroxide pellets for analysis	Merck life sciences	1.06498.0500	01x500gm
187.	Sodium selenate	Loba chemie	05995 00100	1x100gm
188.	Sodium selenate AR	CDH	666405	1x100gm
189.	Sodium selenite	Loba chemie	05997 00025	1x25gm
190.	Sodium selenite AR	CDH	666495	1x25gm
191.	Spatula	-	-	01
192.	Specific gravity bottle 10ml	-	-	01
193.	Starch	Sigma	101 2520(9005-84-9)	1x100gm
194.	Stoppers for test tubes	Riviera(Heinz Herenz)	20113 07	01
195.	Storage vial(5ml)	Tarsons	523070	01pack (500pcs)
196.	Syringes filter Nylon 25mm 0.45 um Non sterile	Thermo fisher Scientific	LSSN4513 NST	01pack(Pack of 100pcs)
197.	Syringes filter Nylon 25mm0.45um non sterile	Thermo fischer scientific	LssN4525 NST	01pkt(100 pcs pkt)

198.	Syringes filters(Nylon-disposable 25mmdia and pore size 0.45um)	Pall Life sciences(SP Instruments)	4118	01Pack(100 pieces/ packet)
199.	Tartaric acid	SDFine	40713UR K05	1x500gm
200.	Tartaric acid EMPLURA	Merck life sciences	1.93417.0521	1x500gm
201.	Test tube with rim 10ml	Perfit	345/04	01 pack(Pack of 100)
202.	Test tube with rim, Borosilicate glass(15x125mm)	Riviera	71100 004	01
203.	Tip Box	Tarsons	524059	01
204.	Tissue Roll	-	-	01
205.	Toluene	Loba	108-88-3	1x2.5ltr
206.	Toluene	AVRA	AST2022(108-88-30)	1.5Ltr
207.	Trifluoromethane	Sigma	75-46-7	1x5gm
208.	Tube storage(5ml)	Borosil	9910005	100
209.	Tube storage10ml	Borosil	9910006	100
210.	Tubes with interchangeable stopper 15ml	Borosil	9830007	01
211.	Volumetric flask 02ml	Perfit	310/02	01
212.	Volumetric flask 05ml	Perfit	310/03	01
213.	Volumetric flask 100ml	Perfit	310/08	01
214.	Volumetric flask with stopper 100 ml	Perfit	312/08	01
215.	Volumetric flask with stopper 25 ml	Perfit	312/06	01
216.	Volumetric flask with stopper 500 ml	Perfit	312/11	01
217.	Whatman filter paper no.-1(Grade-1,circle 125mm 100/pk)	GE healthcare life sciences/whatman	1001-125	01pack
218.	Whatman filter paper no.-4(Grade-4,circle 125mm 100/pk)	GE healthcare life sciences/whatman	1004-125	01pack
219.	Whatman filter paper no.-42(Grade-42,circle 125mm 100/pk)	GE healthcare life sciences/whatman	1442-125	01pack
220.	Whey protien	Muscle Blaze(Raw whey isolate)	-	1x997gm
221.	y-butyrolactone(GBL)(≥ 99.0%)	Sigma Aldrich	20740-100ML-F	1x100ml
222.	Zinc acetate	-	-	1x500gm

Note:

- 1) 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.
- 2) The price/rate so quoted should be per unit or for a pack as the case may be. In case of a single pack the quantity in it should be mentioned.
- 3) For the chemicals/glassware, etc. listed in the Notice Inviting quotation (NIQ), of /for those make/brand/catalogue No. or else is particularly mentioned, only for those the rate/price should be quoted in the quotation.
- 4) For chemicals/glassware, etc. for which there is no mention of a particular make/brand/catalogue number or else, the price/rate be mentioned only for the pack/quantity or else as per mentioned in the Notice Inviting Quotation (NIQ).

P.S.

- 1) Quotation should be sent under a sealed cover (envelope) subscribing **'QUOTATION FOR CHEMICALS/GLASSWARE, etc'. UNDER PURSE GRANT,** addressed to/in favor of THE CHAIRPERSON Dr. S.S. BHATNAGAR UNIVERSITY INSTITUTE OF CHEMICAL ENGINEERING AND TECHNOLOGY, PANJAB UNIVERSITY CHANDIGARH-160014, and along with office reference number (if any).
- 2) The validity of the quotation should be for a period of 06 months from the due (last) date of submission of the quotation.
- 3) The item/article, if ordered, for should be delivered (supplied) FOR this institute i.e. Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology Panjab University Chandigarh-160014.
- 4) The Govt. levies viz-Sales Tax/GST Excise duty, etc. if any, so chargeable should be clearly mentioned in the quotations.
- 5) GST @ 5% would be chargeable extra & for the purpose a Certificate will be issued for the items/articles are supplied in accordance with the bill.
- 6) The make/model/type/detail specifications/configuration, salient features etc. if any, should be mentioned. Also the relevant catalogue, if any, be sent along with the quotation.
- 7) The bill would be processed by the institute within 02 week after satisfactory receipt and inspection of material.
- 8) The discount if any for academic institute should also be mentioned.
- 9) The vendors will valid GST should sent the quotation only.
- 10) The quotation should reach in the office of this institute by **12.09.2018**