



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA

ਰਜਿਸਟਰਾਰ ਦਫ਼ਤਰ
OFFICE OF REGISTRAR

Ref. No. IKGPTU/REG/AR/S&P/387

Dated 11-08-2016

Subject: **Quotation for Chemistry Lab of IKGPTU Main Campus.**

Dear Sir/Madam

University intends to purchase Lab equipment for Chemistry Lab at IKGPTU Main campus by inviting sealed quotations. The supply order will be placed to the firm offering lowest rates (Item wise). Therefore, you are requested to send sealed quotation of Chemistry Lab items by quoting lowest rates (inclusive off all taxes/Govt levies/duty etc). The quotation must reach in the office of Registrar I.K. Gujral Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala (Pb-144603) upto 21.08.2016. Quotation will be opened at 1230 hours on 22.08.2016 in the office of Assistant Registrar (Store & Purchase) IKGPTU. The bidders or their representative may be present at the time of opening of the quotations. If govt declares holiday on 22.08.2016, the quotations will be opened on next working day

Specification of Lab Equipment as per attached Annexure.

Terms & conditions:-

1. The items to be delivered in I.K. Gujral Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala Punjab 144603, within **14 days** of issuance of the supply order.
2. No advance payment will be made.
3. Payment will be released after the inspection of delivered goods/items and on receipt of satisfactory report.
4. University will not pay anything extra, as the rates invited are inclusive of all taxes/Govt Levies/duty etc.
5. Please subscribe on envelop "**QUOTATIONS FOR CHEMISTRY LAB AND TO BE OPENED BY COMMITTEE ONLY**"


Assistant Registrar
(Store & Purchase)

CC:-

1. Registrar (For information Please)
2. DR (Computer Cell) please get it uploaded on University website.

"Propelling Punjab to a Prosperous Knowledge Society"

I. K. Gujral Punjab Technical University

Jalandhar Kapurthala Highway, Kapurthala-144 603 Ph.: 01822-662521, 662525
Fax : 01822-662526, 662506 Website : www.ptu.ac.in Email : registrar@ptu.ac.in

Requirement of chemicals:

S. No.	Items Name	Item Qty
1	Hexane	100L
2	Ethyl Acetate	50L
3	Acetone	50L
4	Methanol	50L
5	DCM	50L
6	Xylene	5L
7	Toluene	5L
8	Cyclo Hexane	5L
9	Titanium Tetrachloride	500ml
10	Aluminium Chloride	2Kg
11	Sorbic acid	2Kg
12	Sodium Sulphate	20Kg
13	Silica Gel for TLC(GF-254)	2Kg
14	Silica Gel (60-120mesh)	20Kg
15	Benzaldehyde	5L
16	Amm.Thoicyanate	1Kg
17	Calcium Chloride	10Kg
18	Thionyl Chloride	5L
19	p-Anisidine	1Kg
20	Phosphorous Pentaoxide	10Kg
21	Oxalyl chloride	200g
22	Methyl iodide	200ml
23	Morpholine	500ml
24	Pyrollidine	500ml
25	Dimethyl amine	500ml
26	Methyl Amine	500ml
27	Sodium Metal	2kg
28	p-Anisaldehyde	500ml
29	Iodine	200g
30	Triethyl Amine	5L
31	Sodium Hydroxide	2Kg
32	Sulphuric Acid	10L
33	Bromo Acetic Acid	2Kg
34	Triphenyl phosphine	500g
35	Tin(IV)chloride solution	500ml
36	Activated Charcoal Powder	500gm
37	Phosphorous tribromide	200ml
38	DMF	5L
39	Sodium Hydride	1Kg
40	Sodium methoxide	1Kg

41	Diethyl ether	10L
42	Dimethyl sulphate	500ml
43	Dry methanol	5L
44	Parachloro aniline	2Kg
45	Parachloro-benzaldehyde	2Kg
46	Paramethoxy-benzaldehyde	2L
47	N-Methylhydrazine	200ml
48	Maleic Anhydride	2Kg
49	Triethyl-phosphite	500ml
50	Tributyl-tinhydride	200g
51	2-buten-1,4-diol	1Kg
52	Prop-2-yn-1-ol	500ml
53	Acrolein	500ml
54	Methyl vinyl ketene	200ml
55	Tetrahydrofuran (THF)	5L
56	Sodium Borohydride	200g
57	Dimethyl sulfoxide	500ml
58	Aniline	5L
59	p-Toluidine	2Kg
60	Methyl acrylate	500mL
61	Hydrazine hydrate	500mL
62	Lithium Hydroxide	500gm
63	Glyoxal aldehyde	500ml
64	CINNAMALDEHYDE	500ml
65	CROTONALDEHYDE	500ml
66	Zinc (powder)	1Kg
67	Cyclohexylamine	500mL
68	NH ₂ OH.HCl	1Kg
69	N-bromosuccinimide	1Kg
70	N-Choro succinimide	1Kg
71	Propagyl bromide	500mL
72	Imidazole	1Kg
73	Allyl bromide	500mL
74	t-butyl-dimethylsilyl chloride	1Kg
75	NaIO ₄	200gm
76	Sodium azide	1kg
77	Tetrabutyl ammonium fluoride	200gm
78	DMAP (Dimethylamino pyridine)	200gm
79	1,4-Dioxane	2L
80	Anisole	2L
81	Cinnamic acid	1Kg
82	2,4-DNP	1Kg
83	Benzamilide	1Kg
84	Semicarbazide	1Kg

85	p-amino Benzoic acid	1Kg
86	Anthracene	500
87	n,n,- dimeethyl aniline	500ml
88	Acetoacetic ester	500g
89	Phthalimide	500g
90	p-bromo acetanilide	500g
91	Phthalic anhydride	500g
92	Cyclohexanone	500ml
93	Benzophenone	500g
94	Bromine	500g
95	Chlorobenzene	500ml
96	TLC Plate-merk	4 box
97	ethanol	25 L
98	Starch	1 kg
99	Sodium bicarbonate	500 g
100	Potassium iodide	500 g
101	Conc.Hcl	2.5 L
102	Sulphuric acid	2.5 L
103	Potassium dichromate	500 g
104	Amino acid L-lysine	100 g
105	L-Leucine	100 g
106	DL-Alanine	100g
107	butanol	2.5 L
108	Propanol	2.5 L
109	Ninhydrin reagent	200 g
110	Ammonium chloride	500 g
111	Ammonium hydroxide	500 g
112	Eriochrome Black T	500 ml
113	Sodium hydroxide	1 kg
114	Salicylic acid	500 ml
115	Acetic anhydride	500 ml
116	Formaldehyde	500 ml
117	Urea	1Kg
118	Distilled water	25 L
119	EDTA	1Kg

Requirement of Instruments:

S. No.	Equipments	Make	Qty
1	Magnetic Stirrer with hot plate,(up to 5Ltr) Model- 2MHL	Remi	6
2	Oven (24"x24" , Cap. 224 Ltr) Model- NU-101F	Navyug	1
3	Refrigerator, 300L	Electrolux	1
4	Water Bath, 6 holes, Model-NU-112	Navyug	3
5	Heating Gun	Micro	1
6	U.V chamber (Double Tube) Model NU-171A	Navyug	1
7	Weighing Balance, Cap 600gm,Readability 0.01 gm/10mg, Model PGB 600	Wensar	1
8	Nitrogen Cylinder Witgh Regulator gas filled 6 cuft.		1
9	Aspirator, Model- MAS-900	Metrex	2
10	Sodium Press Model- 1023	Perfit	1
11	Heating Mantle 500ml, Model-NU 130D	Navyug	2
12	Heating Mantle 1L, Model-NU- 130E	Navyug	2
13	Heating Mantle 2L,Model-NU- 130F	Navyug	2
14	Hot Plate Round 8" dia, Model- NU-131	Navyug	2
15	Mechanical Stirrer, Model- 122D	Remi	2
16	Steamed Station Apparatus (Copper) 2 ltr		1
17	Melting Point Apparatus, Model- 1013A	Navyug	1

18	Distilled Water Apparatus (Single Still) Model-205/01	Perfit	1
19	Auto universal Titrator with Graphic LCD Type 354	Systronic	1
20	Polaroscan with printer interface Type-1634	Systronic	1
21	Digital Poltentiometer Type-318	Systronic	2
22	pController Based PH system with electrode & Temp. probe (Auto Temp. compensation, 2pont calibration, Resol. 0.001 PH) Type-361	Systronic	1
23	pController based Conductivity merer with cell(1.0 cc & 0.1 cc) and temp. probe Type-306	Systronic	1
24	Electrogravimetric appartus	Systronic	2
25	Digital automatic Polarimeter Model LMDP-03	Labman	1
26	J,Conroller based vis. Spectrophotometer(340-990nm) with digital wavelength display and 2 postion sample holder Type-166	Systronic	1
27	Ditital photoelectric colorimeter with 8 filters(1mtr) type 112	Systronic	1
28	Viscometer		1
29	Stalagmometer		1/30
30	Conductometer		10
31	conductivity cell		20
32	Flash point apparatus		20
33	Thermometer		10
34	stop wach		10