

Tender No. -----
UNIVERSITY OF Kotli AZAD JAMMU & KASHMIR

(Office of the Dean Sciences)

Tender Document

Submission Deadline & Tender Opening Date: 05-05-2017

Venue: Dean Office, Faculty of Sciences

Phone No: 05826-960062

Fax No: 05826-960049

Website: www.umsit.edu.pk

TERMS & CONDITIONS

(i) Call Deposit Receipt (CDR) @ 2% of total amount of bid (refundable) in favour of the Dean, Faculty of Sciences must be attached with the quotation/offer.

(ii) The Purchase Committee reserves the right to increase/decrease/add/delete the quantity as per requirement.

(iii) All prevailing taxes must be included in the rates as per government rules.

(iv) All required documents must be provided at the time of submission of quotation.

(v) The rates should be quoted on F.O.R. Kotli basis.

(vi) Rates must be valid for a period of 90 days or till the completion of work and final payment, whichever is more.

(vii) CDR of the firm will be confiscated if the firm failed/refused to provide the material on their quoted/approved rates.

(viii) Prior to issuance of the supply order the Purchase Committee may visit the firm to examine the setup/worth of the firm in the market.

(ix) Detailed specifications are given in the tender document. Firms are asked to quote the prices according to the specifications.

(x) Tender must be supported with proof of sales tax and income tax registration certificates.

(xi) Supplier will be bound to provide the material in the safest possible way on its own expense. University will not provide any labour for loading/unloading the material

(xii) Incomplete and conditional tenders will be rejected.

(xiii) The name of bidder will be clearly marked on the envelop.

(xiv) In case the tender is not opened on the scheduled date due to any force de majeure then the same will be opened on the next working day at the same time and place.

(xv) Further personal canvassing or recommendation or unauthorized practices for getting the contract will also disqualify the bidders.

(xvi) Bids received after due date and which are not properly sealed will be rejected.

(xvii) Last date for submission of bids is **05-05-2017**. The bids shall be opened in the presence of the bidders or their authorized representatives, if any, on same day at 2:00 p.m. in the office of the Dean, Faculty of Sciences, University of Kotli A.K.

• Deductions/Payment of Taxes:

a. 1/5th of the sales tax declared in sales tax invoice presented by the registered supplier shall be deducted at the time of payment.

b. Income Tax @ 4.5% of total amount.

c. Tajweed-UI-Quran Trust (T.Q.T) @ Rs. 2/- per thousand.

d. Education Cess @ Rs. 10% on income tax invoice value.

e. K.L.C @ 0.25% on total amount.

f. Stamp Duty @ 0.25% of total amount.

g. Any tax imposes by the government.

This tender is only an invitation to offer and the Purchase Committee does not bind itself to accept any tender and reserves the right to accept or reject any/all the bids without assigning any reason(s).

Prof.Dr.Muhammad Maroof Khan
Dean, Faculty of Sciences

List of equipment

Department of Physics, UMSIT, Kotli

Sr. No.	Name of equipment with specification
01	Vacuum Spin coater VTC-200 MTI-corporation
02	Deionized Water plant, Purelab Prima Purification setup
03	pH Meter, Model:370. Jenway, England.
04	Tube furnace Model ROS 20/250/12
05	F96Pro Fluorescence spectrometer, TBT-China
06	Spectrometer UV-VIS Spectrophotometer. Model. 1201, M/S Shimadzu Japan
07	Thermostat (Can control up to 95 °C) 2 pieces
08	Electrochemical workstation C350
09	Auto clave
10	Furnace (that can work up to 2000 °C)
11	Electrospinning system

List of Chemicals

Department of Physics, UMSIT, Kotli

Sr. No	Chemical name	Quantity per unit	Quantity in total
01	NaCl	500 g	6
02	Na ₂ SO ₄	500 g	6
03	NaHCO ₃	500 g	6
04	Na ₂ CO ₃	500 g	6
05	NaOH	500 g	6
06	K ₂ Cr ₂ O ₇	500 g	6
07	H ₂ SO ₄	500 ml	6
08	NaNO ₂	500 g	6
09	NaMoO ₄	500 g	6
10	KSCN	500 g	6
11	High purity Graphene (1-3nm)	500 g	6
12	H ₃ BO ₃	500 g	6
13	LiOH	500 g	6
14	HCl	500 ml	6
15	H ₂ S		4
16	C ₆ H ₄ N ₃ Na	500 g	6
17	C ₆ H ₅ N ₃	500 g	6
18	Oxygen gas (O ₂)		4
19	Argon gas (Ar)		4
20	Nitrogen gas (N ₂)		4
21	Spiro		3
22	NH ₃ CH ₃ Pb(Is-Cl ₃)	500 g	5
23	NH ₃ CH ₃ Sn(Is-Cl ₃)	500 g	5
24	TiO ₂ Powder	500 g	4
25	ITO glasses		4
26	FTO glasses		4
27	YbCl ₃	500 g	6
28	ErCl ₃	500 g	6
29	TmCl ₃	500 g	6
30	Zinc Chloride (ZnCl ₂)	500 g	6
31	Zinc Iodide (ZnI ₂)	500 g	6
32	Dimethyl Zinc [(CH ₃) ₂ Zn]	500 g	6
33	Diethyl Zinc [(C ₂ H ₅) ₂ Zn]	500 g	6
34	Isopropanol (i-PrOH)	500 ml	6
35	Tertiary-butanol (t-BuOH)	500 ml	6
36	Acetone (C ₃ H ₆ O)	500 ml	12
37	Nitrous Oxide (N ₂ O)	500 ml	6
38	NO ₂		6
39	Ethanol (C ₂ H ₆ O)	500 ml	12
40	Single-crystal Sapphire (001)		5
41	Single-crystal Silicon (100)		5
42	Corning 7059 glass		15
43	Single-crystal ZnO		5
44	Quartz		5

DEPARTMENT OF ZOOLOGY

List of Chemicals

Name of Chemicals	Name of chemicals
Starch	Sodium sulphate
Formalin	Blood agar medium
Alcohol	MacConkey Agar
Ethanol	EMB Agar
Methanol	Copper Sulphate
Acetone	Calcium Chloride
India ink	Potassium Nitrate
Canada balsam	Hydrochloric Acid
Plaster of paris	Nutrient Agar
Lysol	Nutrient Broth
Iodine solution	Copper Sulphate
Glycerin	Potassium Permanganate
Borax caramine	Phenolphatalein
Methylene blue	Potassium Iodide
Safranin	Phenol
Carbal fuschin	Pyridine
Crystal violet	Aniline
Sodium chloride	Sodium Bicarbonate
Potassium chloride	Butanol
Glucose	Amino Acids
Fructose	Hydrolysed Protein
Maltose	Sucrose
Lactose	n-Hexane
Galactose	Sodium Nitrate
Ribose	Diphenylamine
EDTA	Chloroform
Potassium Hydroxide	Silver Nitrate
Potassium sulphate	Sulphuric Acid

Quantity required for each chemical = 1000g/1000ml

List of Equipment

Name	Quantity	Name	Quantity
Centrifuge Machine	1	Autoclave	1
Incubator	1	Electrophoresis Horizontal Gel with Power Supply	1
Microwave Oven	1	Stabilizer	1
Water Quality Testing kit	1	Gel Documentary System	1
Laminar flow	1	Water Bath	1

List of Glass wares

Name	Quantity	Name	Quantity
Pipette	12	Burette	12
Graduated Cylinders	12	Test Tubes	
Cotton	20	Test tube stands	12
Dropper	12	Test tube holders	50
Condenser	6	Rubber Bungs or Stopper	24
Corks	50	Cork Borer	6
Brush For test tubes	12	China Dish	24
Reagent Bottles	24	Pestle & Mortar	6
Spatula	6	Glass Retorts	6
Glass Ebuliometers	6	Stirring rod	12
Watch Glasses	48	Litmus Paper	48
Thermometer	10	pH Paper	48
Filter paper	48	Aluminium foil	12
Tripod Stands	24	Titration stand	24
Petri Plates	200	Slides	200
Spirit Lamp	20	Gloves	10 packs
Cover Slips	100	Erlenmeyer Flasks	12
Models		Suckers	12
Syringes	50	Thistle Funnel	12
Prepared Slides			

DEPARTMENT OF CHEMISTRY

LIST OF CHEMICALS

Chemicals	Name of	Name of Chemicals
Butylalcohol		Acetone
Methanol		Acetic Acid
Ethanol		Phenolphthalein
Boiling Tubes		Cupric Sulphate
Stirrers		Potassium Ferrocyanide
Hydrochloric Acid		Potassium Iodide
Sodium Hydroxide		Mercurous Chloride
Potassium Nitrate		Mercuric Chloride
Lithium Sulphate		Ferric Nitrate
Cerium Sulphate		Mercuric Nitrate
Calcium Chloride		Cupric Nitrate
Strontium Chloride		Deoxyribose
Copper(II) Sulphate		Dimethylglyoxime
Ammonium Hydroxide		Phenol
Sodium monohydrogen Phosphate		Butanol
Sodium dihydrogen phosphate		Isopropanol
Phosphoric Acid		Pyridine
Ammonium Chloride		Sodium Carbonate
Magnesium Chloride		Sodium Bicarbonate
Sodium acetate		Cupric Chloride
Methylacetate(ester)		Sodium Benzoate
Ethylacetate		Aniline
Disposable Latex gloves(nitriles gloves)		Glucose
1,10-Phenanthroline		Fructose
Potassium Permagnate		Maltose
Potassium Dichromate		Sucrose
Nickle(II) Nitrate		n-Propanol
Silver Nitrate		Hydrolyzed Protein
Silver Chloride		Benzoic acid
Ferric Sulphate		Diphenylamine
Ferric Chloride		Resorcinol
Ferrous Sulphate		Galactose
Cobalt Nitrate		Lactose
Cobalt Chloride		Ribose
Cuprous Sulphate		AminoAcids
Hydrazine		Sodium Nitrate
Nitric Acids		Potassium Hydroxide

n-Hexane	Sodium Nitrite
Iron Turnings	Hydroxy Apatite
Zinc-metal	Silver Nitrate
Lithium Bromide	Benzaldehyde
Formaldehyde	Ferric Bromide
Aluminium Chloride	Potassium Bromide
Standard Buffers of pH 4, 7, 10	Sulphuric Acids
EDTA	Iodine
Ammonia Solution	Ammonium Chloride
Lead Acetate	Cobalt Chloride
Magnesium Sulphate	Calcium Chloride
Manganese dioxide	Sodium-metal
Tartaric Acid	Picric Acid
Mohr's Salt	Dimethylglyoxime
Potassium Pyroantimonate	Sodium cobalt nitrite
Nessler's Reagent	Sodium nitroprusside
Potassium Thiocyanate	Sodium Thiosulphate
Eriochrome Black T	Murexide
Aluminium Sulphate	Potassium Sulphate
Oxalic Acid	2,4-Dinitrophenylhydrazine
Citric Acid	Cinnamic Acid
Phenyl Acetic Acid	1-Naphthol
2-Naphthol	Chloroform
Sodium Potassium Tartarate	Roseaniline
Bromine Water	Acetic Anhydride
Nitrobenzene	Benzoic Acid

Quantity required for each chemical = 1000g/1000ml

List of Equipment

Name	Quantity	Name	Quantity
Ostwald viscometer	4	Spirit lamp	24
Spectrophotometer (Single beam)	1	Chromatographic Tank Whatman Chromatography Paper	6
Spectrophotometer (Double beam)	1	Abbe's Refractometer	2
Hot Plates	4	Water Bath	12
Calorimeter	4	Styrofoam (polystyrene) cup	24
Polarimeter	1	Boiling Tubes	12
PH-meters	6	Stopwatch	12
Conductometers	6	Chemical Balance	4
Refrigerator	1	Orbital shaker	1

Microwave oven	1	potentiometer	2
----------------	---	---------------	---

List of Glass wares

Name	Quantity	Name	Quantity
Pipette	12	Burette	12
Graduated Cylinders	12	Conical flasks(100ml, 250ml each)	12
Funnel	12	Test tube stands	12
Dropper	12	Test tube holders	50
Condenser	6	Stopper	24
Corks	50	Cork Borer	6
Brush For test tubes	12	Chine Dish	24
Reagent Bottles	24	Pestle & Mortar	6
Spatula	6	Glass Retorts	6
Glass Ebuliometers	6	Stirring rod	12
Watch Glasses	48	Litmus Paper	48
Standard litmus paper	48	pH Paper	48
Filter paper	48	Aluminium foil	12
Tripod Stands	24	Crucibles	12
Biurette ring stands,rings and clamps	24	Fusion Tubes	48
Capillary Tubes	100	Thermometer	12
Test Tubes	48	Wash Bottles	12
suckers	12	Wire Gauze	24



University of Management Sciences & Information Technology,

Kotli, AJ & K



Department of Botany

1. Glassware Required

Sr. No.	Item	Quantity
1.	Burette 100 mL	10
2.	Burette 50 mL	05
3.	Burette stand	10
4.	Capillary tubes	500
5.	Conical flask 250 mL	25
6.	Beaker 100mL	10
7.	Beaker 250 mL	05
8.	Beaker 500 mL	10
9.	Conical flask 100 mL	25
10.	Beaker 50 mL	25
11.	Micropipette 2mL	05
12.	Funnel (Small)	10
13.	Graduated cylinder 50 mL	10
14.	Graduated cylinder 100 mL	15
15.	Pipette stand	02
16.	Pipette 10 mL	15
17.	Pipette 2 mL	15
18.	Pipette 5 mL	10
19.	Petri dishes	40
20.	Reagent bottle 125 mL	10
21.	Reagent bottle 250 mL	10

22.	Reagent bottle 500 mL	10
23.	Round bottom flask 100 mL	10
24.	Round bottom flask 250 mL	10
25.	Spatula large	20
26.	Rubber cork small	30
27.	Rubber cork large	30
28.	Separating funnel 500 mL	10
29.	Separating funnel 250 mL	10
30.	Spatula small	10
31.	Stirrer	10
32.	Volumetric flask 100 mL	10
33.	Volumetric flask 250 mL	20
34.	Test tubes	100
35.	Tripod stand	10
36.	Test tube holder	10
37.	Test tube stand	10
38.	Disposable gloves	04 packs
39.	Dropper bottles 60 ml	10
40.	Cotton roll	5 packs
41.	Filter paper sheet	1 pack
42.	Wire loop	40
43.	Glass slides	5 packs
44.	Cover slips	2 packs
45.	Alcohol swabs	2 packs
46.	Aluminium foil	1 sheet
47.	Spirit lamps	10
48.	Face Masks	2 packs

2. Chemicals Required

Sr. No.	Item	Quantity
1.	Glucose	1 Kg
2.	Alcohol 99%	1 litre
3.	HCL	1 litre
4.	Sulphuric acid	1 litre
5.	Sodium hydroxide	1 kg
6.	Copper sulphate	1 kg
7.	Ethyl acetate	2 litre
8.	Ninhydrin	25 gm
9.	Silver Nitrate	25 gm
10.	Safranin	50 gm
11.	Potassium Iodide	445 gm
12.	Potassium Bromide	1000 gm
13.	Iodine	495 gm
14.	Water for injection	4 Ampoules

3. Equipment Required

Sr. No.	Item	Quantity
1.	Microscopes Binocular	05
2.	Microwave Oven	01
3.	Water Bath	03
4.	Magnetic hot plate	02
5.	Weighing balance	02
6.	Grinder	01

7.	Incubator	02
8.	Nitrogen liquid Container	01
9.	Ph meter (electrode)	02
10.	Microscopes Dissecting	01
11.	pH meter with component electrode High accuracy with 0-14 range	01
12.	Distillation assembly	01
13.	Desiccator	01
14.	Laminar flow cabinet HEPA/DOP tested 99.99% efficiency	01
15.	Porcelain top stirring hot plates High speed heating and stirring	02
16.	Centrifuge machine	01
17.	Colony counter	01
18.	Gel electrophoresis	01
19.	Vortex Mixer	01 packet
20.	Magnetic Stirrer with Hot plate	01

*ESTABLISHMENT OF LABORATORY IN DEPARTMENT OF
BIOTECHNOLOGY.*

Inventory Requisition: (Apparatus)
Inventory Requisition: (Chemicals/ Equipments)

Inventory Requisition: (Prepared Slides)

1.	Mitosis (All steps)	1 each
2.	Meiosis (All steps)	1 each
3.	Animal cell	2
4.	Plant cell	2
5.	Bacterial cell	2
6.	Fungal slides	10
7.	Protists slides	10

BIOCHEMISTRY LAB.

Inventory Requisition: (Chemicals)

1.	Anti-sera (Blood Grouping)
2.	Methylene blue
3.	Acetocarmine solution
4.	Iodine
5.	Crystal violet
6.	Safranine
7.	India ink
8.	Hydrogen peroxide
9.	LB media
10.	Mcconckey agar
11	Fehling reagent
12	Benedict reagent
13	Sulphuric acid
14	Ninhydrin
15	CuSo ₄
16	Acetic acid
17	Bromocresol green
18	Phenyl hydrazine
19	Sodim acetate
20	Potassium Iodide
21	Potassium Bromide
22	Iodine
23	Distil water
24	Ethanol
25	Alpha naphthol
26	Sodium citrate
27	Sodim carbonate
28	Sodium chloride
29	Copper acetate
30	Resorcinol

31	Conc. Nitric acid
32	Mercuric sulphate
33	Lead acetate
34	Mustard oil
35	Chloroform
36	Cacl ₂
37	Mgcl ₂
38	Potassium hydrogen sulphate
39	Glycerol
40	Glacial acetic acid
41	Sodium hydroxide
42	Sodium hypobromide
43	Lactose
44	Sucrose
45	Glucose
46	Starch
47	Dextrin
48	Glycogen
49	Dextrose
50	KCl
51	Borate
52	Clorox
53	Yeast
54	BAP
55	Indole acetic acid
56	Nicotinic Acid
57	Pyrodoxin hydrochloride
58	Thyamine hydrochloride

Inventory Requisition: (Apparatus)

S.No	Item
1.	Glass slides
2.	Cover slips
3.	Blades
4.	Prickers
5.	Cotton swab
6.	Cotton rool
7.	Wire loops
8.	Spirit lamp
9.	Slide tray
10.	Pippets 25ml
11.	Glass rod
12.	Alluminium foil
13.	Sterile gloves
14.	Masks
15.	Foreceps
49.	Beaker 50 mL
50.	Beaker 100mL
51.	Beaker 250 mL

52.	Beaker 500 mL
53.	Burette 100 mL
54.	Burette 50 mL
55.	Burette stand
56.	Capillary tubes
57.	Conical flask 100 mL
58.	Conical flask 250 mL
59.	Funnel (Small)
60.	Graduated cylinder 100 mL
61.	Graduated cylinder 50 mL
62.	Micropipette 2mL
63.	Petri dishes
64.	Pipette 10 mL
65.	Pipette 2 mL
66.	Pipette 5 mL
67.	Pipette stand
68.	Reagent bottle 125 mL
69.	Reagent bottle 250 mL
70.	Reagent bottle 500 mL
71.	Round bottom flask 100 mL
72.	Round bottom flask 250 mL
73.	Rubber cork large
74.	Rubber cork small
75.	Separating funnel 250 mL
76.	Separating funnel 500 mL
77.	Spatula large
78.	Spatula small
79.	Stirrer
80.	Test tube holder
81.	Test tube stand
82.	Test tubes
83.	Tripod stand
84.	Volumetric flask 100 mL
85.	Volumetric flask 250 mL
86.	Disposable gloves
87.	Dropper bottles 60 ml
88.	Face Masks
89.	Filter paper sheet
90.	Spirit lamps
91.	Glass slides
92.	Cover slip[s]
93.	Meda Bolles 100 ML
94.	Alcohol swabs
95.	Syringes

Reagents

Glass beads

Trizol reagent
Chloroform (AR)
Phenol solution (for DNA, RNA and protein applications)
Isopropanol (AR)
Ethanol (AR)
DEPC-treated Water
HCl, NaOH, MgCl ₂
Na ₂ HPO ₄ (Disodium phosphate), NaH ₂ PO ₄ (Monosodium phosphate)
NaNO ₃ , KH ₂ PO ₄ , K ₂ HPO ₄
MgSO ₄ .7H ₂ O
CaCl ₂ .2H ₂ O
Na ₂ CO ₃
Citric acid
Na ₂ EDTA
FeSO ₄ .7H ₂ O, Ammonium iron citrate (Ferric ammonium citrate), D-Sorbitol, H ₃ BO ₃ , ZnSO ₄ .7H ₂ O, CuSO ₄ , MnCl ₂ .4H ₂ O, Na ₂ MoO ₄ , Co(NO ₃) ₂ .6H ₂ O
TES buffer, Na ₂ S ₂ O ₃ , Bacto-agar/Agar agar, Glucose, L-Glutamate, Monosodium glutamate,
HEPES buffer, powdered gloves (1 carton), powder less gloves (1 carton),
BSA (Bovine serum albumin), Glycerol, Coomassie blue G-250, Phosphoric acid, Plastic spoons disposable, Aluminum foil
Chloramphenicol
Ampicillin
Rifampicin
Kanamycin
Spectinomycin
Streptomycin
Erythromycin
Tetracyclin