

# Bank AL Habib Limited

2003 - ASHRAF ROAD BRANCH  
PAKHTOON PLAZA, ASHRAF ROAD.

NOT NEGOTIABLE  
A/C PAYEE ONLY

PAY

TREASURER UNIVERSITY OF SWAT ON A/C  
MUSAJI ADAM & SONS

AMOUNT

PAKISTANI RUPEES TWENTY-ONE THOUSAND FIVE HUNDRED ONLY.

## Call Deposit Receipt

This Call Deposit Receipt is valid for three years from date of issue

Date 13 March 2024

C. D. R. No. 00378198  
/00009999/2024 95

Amount PKR 21,500.00

For Bank AL Habib Limited

AUTHORIZED SIGNATORY  
NO.

AUTHORIZED SIGNATORY  
NO.

⑈00378198⑈0232003⑈

⑈080⑈

# TENDER BID

M/S: University of Swat

DATE: 14-03-2024

S.NO	T.SNO	ITEMS	R.PKG	CAT NUM	BRAND NAME	PKG	Qty	Unit Cost (W/O GST)	Total unit amount W/O GST	GST	Total Price W/GST
1	1	Sodium Lauryl Sulphate	500g	7592-1405	Daejung, Korea	500g	1	6000	6000	1080	7080
2	2	Sodium dodecylsulphate	500g	7592-1405	Daejung, Korea	500g	1	6000	6000	1080	7080
3	5	Sodium Borohydride (NaBH <sub>4</sub> )	25g	7536-1425	Daejung, Korea	25g	1	5500	5500	990	6490
4	7	Amino Black 10B AR	100g	NE00250025	Scharlau, Spain	25g	4	16000	64000	11520	75520
5	16	Chrysoidine G, C.I. 11270, for microscopy	25g	CR01750025	Scharlau, Spain	25g	1	5000	5000	900	5900
6	17	Rhodamine 6G	5g	J62315.14	fa Aesar, Germa	25g	1	20000	20000	3600	23600
7	18	Methyl Violet	25g	5570-4125	Daejung, Korea	25g	1	4000	4000	720	4720
8	20	Silver nitrate (AgNO <sub>3</sub> )	50g	7520-4125	Daejung, Korea	25g	2	16000	32000	5760	37760
9	21	Iron Oxide	500g	5025-1405	Daejung, Korea	500g	1	3500	3500	630	4130
10	24	1-nephtalamine	100g	NA00471000	Scharlau, Spain	1kg	1	40000	40000	7200	47200
11	25	2,4 dinitroaniline	100g	DI11550100	Scharlau, Spain	100g	1	24000	24000	4320	28320
12	26	Silica Gel	25kg	7510-1400	Daejung, Korea	1kg	25	6500	162500	29250	191750
13	31	Dichloromethane (DCM)	2.5L	3030-4161	Daejung, Korea	2.5L	1	7500	7500	1350	8850
14	35	Chloroform	2.5L	2548-4404	Daejung, Korea	4L	1	10000	10000	1800	11800
15	37	Cobalt Nitrate/ Cobalt(III) nitrate 6H <sub>2</sub> O	100g	2571-4405	Daejung, Korea	500g	1	18500	18500	3330	21830
16	42	THF (Tetrahydrofuran)	500ml	8510-4400	Daejung, Korea	1L	1	12000	12000	2160	14160
17	46	Aniline	1L	1086-4400	Daejung, Korea	1L	1	6500	6500	1170	7670
18	53	Para bromo aniline	25g	A15126.18	fa Aesar, Germa	50g	1	21000	21000	3780	24780
19	54	N hexane	5lit	4081-4404	Daejung, Korea	4L	2	11000	22000	3960	25960
20	55	DMSO (Dimethyl sulfoxide )	2.5	3047-4461	Daejung, Korea	2.5L	1	22000	22000	3960	25960
21	56	Zinc Oxide (ZnO)	500g	CI02001000	Scharlau, Spain	1kg	1	14000	14000	2520	16520
22	57	Titanium Oxide (TiO <sub>2</sub> )	500g	8613-1405	Daejung, Korea	500g	1	3500	3500	630	4130
23	58	Iron(II) chloride 4H <sub>2</sub> O	1kg	5016-4400	Daejung, Korea	1kg	1	6500	6500	1170	7670
24	59	Ferric Chloride (FeCl <sub>3</sub> )		5022-1400	Daejung, Korea	1L	1	15000	15000	2700	17700
25	60	Zinc Chloride (ZnCl <sub>2</sub> )	1kg	CI01592500	Scharlau, Spain	2.5kg	1	28000	28000	5040	33040
26	62	Zinc Sulphate (ZnSO <sub>4</sub> )/Zinc sulfate 7H <sub>2</sub> O	500g	8607-4405	Daejung, Korea	500g	1	4000	4000	720	4720
27	64	Manganese Chloride (MnCl <sub>2</sub> )	500g	5526-4405	Daejung, Korea	500g	1	4000	4000	720	4720
28	65	Manganese Chloride (MnSO <sub>4</sub> )	1kg	5530-4400	Daejung, Korea	1kg	1	7500	7500	1350	8850
29	66	Manganese Oxide (MnO <sub>2</sub> )	500g	5532-1405	Daejung, Korea	500g	1	3500	3500	630	4130
30	67	Vanadium Oxide (V <sub>2</sub> O <sub>5</sub> )	100g	8581-4405	Daejung, Korea	500g	1	32000	32000	5760	37760

**List of Equipment Required for the Institute of Chemical Sciences (ICS) University of Swat**

31	2	pH Meter Benchtop	1	5T2200 F	phaus Corp , US	Each	1	101695	101695	18305	120000
32		Technical Features:									
33		Measurement Range: 0 – 100°C; 0.00 – 14.00 pH; -1999 – 1999 mV						0	0	0	0
34		Measurement Resolution: 0.1 °C; 0.01 pH; 1 mV						0	0	0	0
35		Accuracy: ±0.5 °C; ±0.01 pH; ±1.5 mV						0	0	0	0





Page # 0

ICS & Botany  
43

# Musaji Adam & Sons

**SERVING  
SCIENCE  
SINCE 1960.**

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36	Display: LCD with backlight						0	0	0	0
37	Electrode: ST322(Included)						0	0	0	0
38	Dimensions: 8.7 in x 3.1 in x 5.6 in (220 mm x 78 mm x 175 mm) (LxHxW)						0	0	0	0
39	Parameter: pH / ORP						0	0	0	0
40	Power: AC Adapter (Included)						0	0	0	0
41	Temperature compensation: Yes						0	0	0	0
42	6 Digital Orbital Shaker	1	SK-O180-S	Dlab, China	Each	1	42373	42373	7627	50000
43	<b>Technical Features:</b>									
44	Orbital diameter: 20mm						0	0	0	0
45	Max. load capacity: 3kg						0	0	0	0
46	Motor type: DC motor						0	0	0	0
47	Motor input power: 16W						0	0	0	0
48	Motor output power: 10W						0	0	0	0
49	Speed range: 40-200rpm						0	0	0	0
50	Speed display: LED						0	0	0	0
51	Timer display: LED						0	0	0	0
52	Time settings range: 1min-19h59min						0	0	0	0
53	Voltage: 100-240V,50/60Hz						0	0	0	0
54	Power: 20W						0	0	0	0
55	Weight: 3.1Kg						0	0	0	0
56	Permissible ambient temperature and humidity: 5-40 C 80%RH						0	0	0	0
57	Dimension[WxDxH]: 270x330x110mm						0	0	0	0
58	Protection Class: IP21						0	0	0	0
<b>List of Chemicals Required for centre for Plant Sciences &amp; Biodiversity University of Swat</b>										
59	1 Silver Nitrate	25 g	7520-4125	Daejung, Korea	25g	1	16000	16000	2880	18880
60	5 0.5-10ul (white)	1000 x 5	-	China	000pc	5	1200	6000	1080	7080
61	6 200 micro l tips (yellow)	1000 x 2	-	China	500 pc	4	1600	6400	1152	7552
62	7 1000 micro l tips	1000 x 2	-	China	500 pc	4	2800	11200	2016	13216
63	8 PCR tubes/0.2 mL PCR Tubes, Flat Caps, C	1000 x 5	401001	Nest, China	000pc	5	9000	45000	8100	53100
64	12 Glacial Acetic Acid	2.5 l	AC03422500	Scharlau, Spain	2.5L	1	6500	6500	1170	7670
65	13 Dimethyl Sulphoxide (DMSO)	2.5 l	3047-4461	Daejung, Korea	2.5	1	22000	22000	3960	25960
66	14 Zinc Nitrate	25g	8601-4405	Daejung, Korea	500g	1	5000	5000	900	5900
67	16 Iron Chloride (FeCl3 6 H2O)	25g	5021-4405	Daejung, Korea	500g	1	8500	8500	1530	10030
68	17 Cobalt Chloride HEXAHYDRATE	25g	2570-4405	Daejung, Korea	500g	1	22000	22000	3960	25960
									<b>Grand Total</b>	<b>1,065,148</b>

Musaji Adam & Sons

*(Handwritten signatures)*









# Iqbal & Sons Enterprises

Comes for Quality

Office of the Treasurer/Store and Procurement Section  
Administration Block,  
University of Swat  
Charbagh Swat.

T # ISE-J 024/ 24  
Date: 14-03-2024

## LIST OF CHEMICALS/ CONSUMABLES:

Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
1	Sodium Lauryl Sulphate	Sigma/ VWR	1680	302.4	500gm	1982.4
2	Sodium dodecylsulphate	Sigma/ VWR	1680	302.4	500gm	1982.4
3	1,3 dibromopropane Cat # D806819	Macklin Chemicals	4600	828	100gm*2	10856
4	1,5 dibromopropane Cat # D807046	Macklin Chemicals	4800	864	100gm*2	11328
5	Sodium Borohydride	Sigma/ VWR	6300	1134	25gm	7434
6	Pyrol Cat # P815709	Macklin Chemicals	19600	3528	100gm*2	46256
7	Amino Black 10B AR Cat # A800954	Macklin Chemicals	7500	1350	100gm	8850
8	Acid Blue V Cat # P815983	Macklin Chemicals	7600	1368	5gm	8968
9	Benzedine	Sigma/ VWR	4900	882	25gm	5782
10	Acid Orange II Cat # O815269	Macklin Chemicals	3900	702	25gm	4602
11	Acid Red G Cat # A832389	Macklin Chemicals	8500	1530	25gm	10030
12	Acid Brilliant Yellow G	Sigma/ VWR	15600	2808	25gm	18408
13	Methylene Blue BB	Sigma/ VWR	4200	756	5gm	4956
14	Basic Brown G Cat # B6008	Macklin Chemicals	4500	810	25gm	5310
15	Malachite Green Crystals	Sigma/ VWR	4200	756	25gm	4956
16	Chrysodine Cat # C805245	Sigma/ VWR	13300	2394	25gm	15694
17	Rhodamine 6GDN Cat # R817247	Macklin Chemicals	3500	630	5gm	4130
18	Methyl Violet 2B Cat # M813694	Macklin Chemicals	3900	702	25gm	4602
19	Auramine O	Sigma/ VWR	4600	828	25gm	5428
20	Silver nitrate (AgNo3)	Sigma/ VWR	5800	1044	50gm	6844
21	Iron Oxide	Sigma/ VWR	2800	504	500gm	3304
22	Polyethylene glycol (PEG)	Sigma/ VWR	3400	612	500gm	4012
23	Polyvinyle Chloride (PVC)	Sigma/ VWR	3900	702	100gm	4602
24	1-nephthalamine	Sigma/ VWR	4600	828	100gm	5428
25	2,4 dinitroaniline Cat # D807529	Macklin Chemicals	7800	1404	100gm	9204
26	Silica Gel	Sigma/ VWR	52000	9360	25kg	61360
27	1,3 diamino propane Cat # P815643	Macklin Chemicals	11200	2016	100gm	13216
28	Benzene	Sigma/ VWR	3500	630	1 Liter	4130
29	Ethanol 98%	Sigma/ VWR	2800	504	2.5L	3304
30	Methanol	Sigma/ VWR	1600	288	2.5L	1888
31	Dichloromethane (DCM)	Sigma/ VWR	3900	702	2.5L	4602
32	Acetone	Sigma/ VWR	4600	828	2.5L	5428
33	Acetonitrile	Sigma/ VWR	14900	2682	2.5L	17582
34	Carbon Black	Sigma/ VWR	1600	288	250g	1888
35	Chloroform	Sigma/ VWR	3200	576	2.5L	3776
36	Chromatographic Column	Imported	2100	378	5	2478
37	Cobalt Nitrate	Sigma/ VWR	1800	324	100g	2124
38	Chromatographic Column	Imported	2490	448.2	5	2938.2
39	Chromatographic Column	Imported	2740	493.2	5	3233.2
40	Chromatographic Column	Imported	3375	607.5	5	3982.5

Iqbal & Sons Enterprises  
Office # 3, 2nd Floor  
Rawal Plaza, Westridge  
Rawalpindi  
Phone # 051-051-5158203

Deals In: Chemicals, Glassware, Equipment, Diagnostic, Minerals, Disposables & General Items

Office No. 03, 2nd Floor Rawal Plaza, Westridge, Rawalpindi, Pakistan Ph: +92-51-5158203  
Mob: +92-331-6888270, +92-309-5096440 Email: iqbalsons735@gmail.com





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sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
41	Potassium Permanganate	Sigma/ VWR	2200	396	250g	2596
42	THF	Sigma/ VWR	2800	504	500ml	3304
43	Meta bromo benzaldehyde Cat # B802531	Macklin Chemicals	3800	684	25gm	4484
44	2,4 di bromo aniline Cat # D806462	Macklin Chemicals	6700	1206	5gm	7906
45	2,4 6 tri bromo aniline Cat # T830199	Macklin Chemicals	4600	828	25gm	5428
46	Aniline	Sigma/ VWR	3000	540	1 Liter	3540
47	Para methyl aniline Cat # T819303	Macklin Chemicals	4800	864	100gm	5664
48	Acetonitrille (HPLC grade)	Sigma/ VWR	19400	3492	2.5 Liter	22892
49	N hexane (HPLC grade) Cat # H810749	Macklin Chemicals	17800	3204	01 Liter	21004
50	1,5 dibromo pentane Cat # D807046	Macklin Chemicals	5600	1008	100gm	6608
51	2,4 dibromo benzaldehyde Cat # D843792	Macklin Chemicals	3800	684	1gm	4484
52	2,4,6 tribromo aniline Cat # T830199	Macklin Chemicals	4600	828	25gm	5428
53	Para bromo aniline Cat # B802190	Macklin Chemicals	5400	972	25gm	6372
54	N hexane	Sigma/ VWR	3200	576	2.5 Lit*2	3776
55	DMSO	Sigma/ VWR	14000	2520	2.5 Liter	16520
56	Zinc Oxide (ZnO)	Sigma/ VWR	2800	504	500gm	3304
57	Titanium Oxide (TiO2)	Sigma/ VWR	2800	504	500gm	3304
58	Ferrous chloride (FeCl2)	Sigma/ VWR	1960	352.8	01 kg	2312.8
59	Ferric Chloride (FeCl3)	Sigma/ VWR	1960	352.8	01 kg	2312.8
60	Zinc Chloride (ZnCl2)	Sigma/ VWR	2520	453.6	01 kg	2973.6
61	HCL	Sigma/ VWR	3900	702	2.5 Lit*2	4602
62	Zinc Sulphate (ZnSO4)	Sigma/ VWR	1400	252	500gm	1652
63	Gold Dichloride (AuCl2)	-	-	-	-	N/Q
64	Manganese Chloride (MnCl2)	Sigma/ VWR	2100	378	500gm	2478
65	Manganese Chloride (MnSO4)	Sigma/ VWR	2100	378	01 kg	2478
66	Manganese Oxide (MnO2)	Sigma/ VWR	2600	468	500gm	3068
67	Vanadium Oxide Cat # V874825	Macklin Chemicals	8400	1512	100gm	9912
<b>Lot No 1 Sr No 1 to 67 Grand Total</b>						<b>505,282</b>

*Iqbal & Sons Enterprises*  
 Office # 3, 2nd Floor  
 Rawal Plaza, Westridge,  
 Rawalpindi  
 Ph # 051 051-5158203

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*14/10/24*

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**Iqbal & Sons Enterprises**  
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Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
1	Ultrasonic Cleaner	<p><b>Digital Ultra Sonic Cleaner 3.2 Liter</b>  <b>Model # FSF-020S</b>  <b>M/s Faithful, China</b></p> <p><b>Specifications:</b>                      Use ordinary tap water, alcohol or solvent as cleaning;                      High power transducer cleaning effect significantly; usable macroscopic observation;                      After cleaning objects shine light;                      Digital LCD control boot time;                      The stainless steel shell, bladder and cover, more upscale;                      Waterproof properties is greatly improved, more safely products last;                      With constant temperature system with heating;</p> <p>Model FSF-020S                      Frequency 40KHz                      Transducer (PCS) 2                      Capacity 3.2L                      Tank size (L*W*H) MM 240*135*100                      Unit Size (L*W*H) MM 265*165*220                      Packing Size (L*W*H) MM 340*245*310                      Heating Power 150W                      Ultrasonic Power (W) 120                      Timer 0-30min                      Heater RT-80°C                      N.W/G.W (KG) 3.6/4.3</p>	47600	8568	1	56168



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14/12/24

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Rawalpindi  
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 Mob: +92-331-6888270, +92-309-5096440 Email: iqbalsons735@gmail.com


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Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
2	pH meter (Benchtop)	<p><b>Benchtop pH Meter</b>  <b>Model # FPH210-C</b>  <b>M/s Faithful, China</b></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>➤ 1 to 3 points push-button calibration with auto-buffer recognition.</li> <li>➤ Selectable pH buffer group, including the USA and NIST options.</li> <li>➤ Automatic electrode slope display helps user decide whether to replace sensor.</li> <li>➤ Automatic Temperature Compensation provides accurate reading over the entire range.</li> <li>➤ Auto-Hold feature senses and locks the measurement endpoint.</li> <li>➤ Manual temperature calibration corrects the temperature deviation</li> <li>➤ Setup menu allows setting the 5 parameters, including the pH buffer group, number of calibration points, temperature unit, etc.</li> <li>➤ Reset feature automatically resumes all settings back to factory default options.</li> </ul> <p><b>METER INCLUDES</b></p> <ul style="list-style-type: none"> <li>➤ pH electrode</li> <li>➤ Temperature probe</li> <li>➤ pH buffer pouches</li> <li>➤ Power adapter</li> </ul> <p><b>Model</b> FPH210-C</p> <p><b>pH</b></p> <ul style="list-style-type: none"> <li>Measuring Range -1.00-15.00pH</li> <li>Accuracy ±0.01pH</li> <li>Resolution 0.01pH</li> <li>Calibration Points 1-3 points, USA or NIST</li> <li>Temperature Compensation 0-100°C, 32-212°F, Manual or Automatic</li> </ul> <p><b>mV</b></p> <ul style="list-style-type: none"> <li>Measuring Range ±1999mV</li> <li>Accuracy ±1mV</li> <li>Resolution 1mV</li> </ul> <p><b>Temperature</b></p> <ul style="list-style-type: none"> <li>Measuring Range 0-105°C, 32-221°F</li> <li>Accuracy ±1°C</li> <li>Resolution 0.1°C</li> <li>Calibration Points 1 point</li> <li>Hold Function Manual or Automatic endpoint detection</li> </ul> <p><b>General</b></p> <ul style="list-style-type: none"> <li>Power Off Manual or Automatic</li> <li>Power Requirements DC9V using AC adapter</li> <li>Dimensions and Weight 210(L)*205(W)*75(H)mm. 1.5kg</li> </ul> <p><b>FAITHFUL</b></p>	133700	24066	1	157766



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Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
3	Conductivity meter (Benchtop)	<p><b>Conductivity Meter Benchtop</b> <b>Model # FPH950-S</b> <b>M/s Faithful, China</b></p> <p><b>Specifications:</b> Multi-parameter conductivity meter contains the TDS, salinity and resistivity measurement modes. * 1 to 5 points calibration with automatic calibration solution recognition. * Selectable cell constant ( 0.1/1/10 ), normalization temperature ( 20°C or 25°C ). * TDS conversion factor, seawater and practical salinity measurement modes. * Linear or pure water compensation improves the measurement accuracy. * Automatic Temperature Compensation ensures accurate reading. * Calibration Due Reminder prompts user to calibrate the meter regularly. * Stability indicator automatically shows current measurement status. * Auto-Hold function freezes stable measured value for easy viewing and recording. * Selectable temperature unit ( °C or °F ) meets different application requirements. * Automatic electrode diagnosis shows cell constant of the conductivity electrode. * Help message as a operational guide that helps you quickly begin using the meter. * System menu allows setting the 11 parameters, including the temperature unit, number of calibration points, stability condition, etc. * Reset feature automatically resumes parameters back to factory default options. * Expanded memory stores and recalls up to 500 readings. * Built-in real-time clock stamps stored data to meet GLP standard. * Stored data can be transferred into computer by USB communication interface.</p> <p><b>Accessories:</b> * Conductivity electrode * Temperature probe * Conductivity Standard Solutions (84µS/cm, 1413µS/cm, 12.88mS/cm) * USB cable * DCSV power adapter</p> <p>Model FPH950-S Conductivity Range 0-20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm Conductivity Accuracy ±0.5% F.S TDS Range 0-100ppt (Max. 200ppt, depending on factor setting) TDS Accuracy ±1% F.S Salinity Range 0-10ppt (Max. 80ppt) Salinity Accuracy ±1% F.S Resistivity Range 0-100MΩ Resistivity Accuracy ±1% F.S Calibration Points 1-5 points Calibration Solutions 10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm Temperature Compensation 0-100°C, 32-212°F, Manual or Automatic Temperature Coefficient 0.0-10.0%/°C Normalization Temperature 20°C or 25°C Cell Constant K=0.1, 1, 10 or User-defined Memory Stores up to 500 data sets, USB Communication Interface Power Requirements DCSV/400mA power adapter Dimensions(mm) 210*188*60mm Weight(kg) 1.5kg Package Size(W*D*H)mm 310*240*180mm Gross weight(kg) 1.7kg</p>	229000	41220	1	270220



*[Handwritten signatures and stamps]*

**Iqbal & Sons Enterprises**  
Office # 1, 2nd Floor  
Rawal Plaza, Westridge,  
Rawalpindi  
Ph # 051 051-5158203

Deals In: Chemicals, Glassware, Equipment, Diagnostic, Minerals, Disposables & General Items  
Office No. 03, 2nd Floor Rawal Plaza, Westridge, Rawalpindi, Pakistan Ph: +92-51-5158203  
Mob: +92-331-6888270, +92-309-5096440 Email: iqbalsons735@gmail.com



# Iqbal & Sons Enterprises

Comes for Quality

Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST																										
4	Digital Thermostatic Water Bath	<p><b>Digital Thermostatic Water Bath</b>  <b>Model # DK-98-IIA</b>  <b>M/s Faithful, China</b></p> <p><b>Specifications:</b>            DK-98-IIA means: PID Microprocessor digital temperature controller.            Note: We can produce the water bath as customer requirement.</p> <ul style="list-style-type: none"> <li>• Cold-rolling steel spraying exterior.</li> <li>• Stainless steel Inner tank and cover.</li> <li>• Intelligent Temperature control instrument adopts PID control, dual digital display, with functions of timing of operation (0-9999min), fixed value operation, automatically stop, realization of over-temperature alarm, power-off compensation, power failure memory, error correction and Menu lock.</li> </ul> <table> <tr> <td>Model</td> <td>DK-98-(II)A</td> </tr> <tr> <td></td> <td>2 rows &amp; 8 holes</td> </tr> <tr> <td>Voltage</td> <td>200-240V/100-120V</td> </tr> <tr> <td>Power(W)</td> <td>2000</td> </tr> <tr> <td>Tem-motion (°C)</td> <td>±0.5°C</td> </tr> <tr> <td>Tem-range (°C)</td> <td>Room Temp.+5~100°C</td> </tr> <tr> <td>Tem-Sensitivity (°C)</td> <td>≤±1°C</td> </tr> <tr> <td>Display error (°C)</td> <td>≤±2.5°C</td> </tr> <tr> <td>Chamber Size (mm)</td> <td>635*325*120</td> </tr> <tr> <td>Products Size (mm)</td> <td>830*380*190</td> </tr> <tr> <td>Packing Size</td> <td>870*480*235</td> </tr> <tr> <td>N.W.(KG)</td> <td>9</td> </tr> <tr> <td>G.W.(KG)</td> <td>10</td> </tr> </table>	Model	DK-98-(II)A		2 rows & 8 holes	Voltage	200-240V/100-120V	Power(W)	2000	Tem-motion (°C)	±0.5°C	Tem-range (°C)	Room Temp.+5~100°C	Tem-Sensitivity (°C)	≤±1°C	Display error (°C)	≤±2.5°C	Chamber Size (mm)	635*325*120	Products Size (mm)	830*380*190	Packing Size	870*480*235	N.W.(KG)	9	G.W.(KG)	10	63000	11340	1	74340
Model	DK-98-(II)A																															
	2 rows & 8 holes																															
Voltage	200-240V/100-120V																															
Power(W)	2000																															
Tem-motion (°C)	±0.5°C																															
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Packing Size	870*480*235																															
N.W.(KG)	9																															
G.W.(KG)	10																															



*(Handwritten signatures)*

**Iqbal & Sons Enterprises**  
 Office # 1, 2nd Floor  
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 Rawalpindi  
 Ph # 051 051-5158203

Deals In: Chemicals, Glassware, Equipment, Diagnostic, Minerals, Disposables & General Items

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Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST																		
5	Glass Distillation Apparatus	<p><b>Glass Distillation Apparatus</b>  <b>Model # Favorit 4L</b>  <b>M/s PLT scientific Malaysia</b></p> <p><b>Features:</b>  Horizontal thick wall heat resistant borosilicate glass boiler fitted with 3 KW chromium plated heater.  High efficiency coil condenser ensure low temperature, high output quality distillate of conductivity 3 to 4µs/cm.  Compact construction suitable for bench and wall mounting.  Screwthread connectors enable easy fitting or removal of hose safely.  Built-in constant level device with Vendura-Nova valve for drainage provides easy descaling without dismantling.  Safety thermostat built into the heater protect the Favorit water still in the event of water supply failure and automatically resets when the water supply is restored.</p> <p><b>Technical Parameters:</b></p> <table> <tr> <td>Distillate output</td> <td><b>4 liters per hour, single distilled</b></td> </tr> <tr> <td>Water Supply Requirement</td> <td>1 liter / min (Min pressure 3 p.s.i )(0.2 x 105 NM-2)</td> </tr> <tr> <td>pH</td> <td>5.0 to 6.5</td> </tr> <tr> <td>Conductivity</td> <td>3.0 to 4.0 µs/cm</td> </tr> <tr> <td>Temperature</td> <td>35 to 50 °C</td> </tr> <tr> <td>Pyrogen Content</td> <td>Pyrogen free</td> </tr> <tr> <td>Power Requirement</td> <td>220/240v , 50/60 Hz single phase, 13A fused</td> </tr> <tr> <td>Dimension (d x w x h)</td> <td>50 x 15 x45 cm</td> </tr> <tr> <td>Catalogue Number</td> <td>P21001</td> </tr> </table>	Distillate output	<b>4 liters per hour, single distilled</b>	Water Supply Requirement	1 liter / min (Min pressure 3 p.s.i )(0.2 x 105 NM-2)	pH	5.0 to 6.5	Conductivity	3.0 to 4.0 µs/cm	Temperature	35 to 50 °C	Pyrogen Content	Pyrogen free	Power Requirement	220/240v , 50/60 Hz single phase, 13A fused	Dimension (d x w x h)	50 x 15 x45 cm	Catalogue Number	P21001	199400	35892	1	235292
Distillate output	<b>4 liters per hour, single distilled</b>																							
Water Supply Requirement	1 liter / min (Min pressure 3 p.s.i )(0.2 x 105 NM-2)																							
pH	5.0 to 6.5																							
Conductivity	3.0 to 4.0 µs/cm																							
Temperature	35 to 50 °C																							
Pyrogen Content	Pyrogen free																							
Power Requirement	220/240v , 50/60 Hz single phase, 13A fused																							
Dimension (d x w x h)	50 x 15 x45 cm																							
Catalogue Number	P21001																							



*[Handwritten signature]*

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Rawalpindi  
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Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST														
Digital Orbital Shaker	<p><b>Digital Orbital Shaker</b>  <b>Model # FBS-O20</b>  <b>M/s Faithful, China</b></p> <p><b>Product Description:</b>            1. Temperature setting, measuring, and running state show on one large LCD Screen, with Rotary Encoder switch.            2. The operating parameters can be remembered and protected. Automatically resume operation if the power supply cut off.            3. Speed control : Intelligent Brushless DC motor, High speed accuracy, Slow start design, Auto lock if speed out of control. Adjustable starting speed to prevent the splash of shake flask liquid.</p> <table border="0"> <tr> <td>Shaking Mode</td> <td>Cyclotron oscillation</td> </tr> <tr> <td>Function</td> <td>Amplitude Rotary Speed range Rotary Speed Precision Out Shell</td> </tr> <tr> <td>Structure</td> <td>Motor type Tray Driving mode Power rating Cyclotron Control Mode Cyclotron Setting Mode Speed display Mode Timer</td> </tr> <tr> <td>Controller</td> <td>Operation function Speed Sensor Additional function</td> </tr> <tr> <td>Safety device</td> <td>Exterior size (W*L*H)(mm) Packing size (W*L*H)(mm) Tray size (mm)</td> </tr> <tr> <td>Specification</td> <td>Load per tray Tray Number Supply (50/60Hz) Current rating NW/GW (kg)</td> </tr> <tr> <td>Optional Type</td> <td></td> </tr> </table>	Shaking Mode	Cyclotron oscillation	Function	Amplitude Rotary Speed range Rotary Speed Precision Out Shell	Structure	Motor type Tray Driving mode Power rating Cyclotron Control Mode Cyclotron Setting Mode Speed display Mode Timer	Controller	Operation function Speed Sensor Additional function	Safety device	Exterior size (W*L*H)(mm) Packing size (W*L*H)(mm) Tray size (mm)	Specification	Load per tray Tray Number Supply (50/60Hz) Current rating NW/GW (kg)	Optional Type		234000	42120	1	276120
Shaking Mode	Cyclotron oscillation																		
Function	Amplitude Rotary Speed range Rotary Speed Precision Out Shell																		
Structure	Motor type Tray Driving mode Power rating Cyclotron Control Mode Cyclotron Setting Mode Speed display Mode Timer																		
Controller	Operation function Speed Sensor Additional function																		
Safety device	Exterior size (W*L*H)(mm) Packing size (W*L*H)(mm) Tray size (mm)																		
Specification	Load per tray Tray Number Supply (50/60Hz) Current rating NW/GW (kg)																		
Optional Type																			

*[Handwritten signatures and initials]*

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Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
7	High-precision Densimeter	<p><b>Solid &amp; Liquid High-precision Densimeter</b>  <b>Model # BK-DME300D</b>  <b>M/s Bio Base, China</b></p> <p><b>Features:</b>                      * Automatic zero tracking, buzzer warning, and overload warning.                      * Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.                      * Actual water temperature compensation.                      * RS-232C included.</p> <p><b>Specifications:</b></p> <p>Model BK-DME300D                      Capacity 0.005-300g                      Density Resolution 0.001 g/cm<sup>3</sup>                      Density Range 0.001 -99.999g/cm<sup>3</sup>                      Measuring Time About 5s</p> <p><b>Solid</b>      <b>Measuring Principle</b>      Archimedes principle general solid test method</p> <p><b>Mode</b>      <b>Specific Gravity</b>      Unibody injection forming professional specific gravity measurement frame Size: 176*105*111 mm (L*W*H)</p> <p>                 <b>Measuring Frame</b>      Unibody injection forming transparent professional measuring tank Size: 169*98*83mm (L*W*H)</p> <p>                 <b>Measuring Tank</b>      Unibody injection forming transparent professional measuring tank Size: 169*98*83mm (L*W*H)</p> <p>                 <b>Mixed Material Percentage</b>      <b>Function</b>      Automatically read the percentage of the main material in composite which consist of two materials</p> <p>                      <b>Setting</b>      Freely set the density value of main material and subordinate material</p> <p>                      <b>Display</b>      Density value, percentage of main material</p> <p>                      <b>Measuring Principle</b>      Archimedes principle displacement method</p> <p>                      <b>Weight Value Data Storage</b>      1 group</p> <p><b>Liquid Mode</b>      <b>Specific Gravity</b>      Stainless steel specific gravity measuring frame</p> <p>                      <b>Measuring Frame</b>      Dynamic memory</p> <p>                      <b>Memory Mode</b>      Density value</p> <p>                      <b>Result Display</b>      Distilled water testing</p> <p>                      <b>Result Testing Method</b>      Auto correction, auto detection.</p> <p><b>Calibration Mode</b>      Common Use: Tweezer, thermometer, 100G weight, windshield, power transformer. Solid Use: Tank, testing board, a set of particle measuring assembly, a set of floating body measuring assembly.</p> <p><b>Standard Accessories</b>      Liquid Use: Measuring plate, measuring frame, DE-20A standard liquid measuring assembly</p> <p><b>Optional Accessories</b>      DE-40 printer, DE-20B anti corrosive liquid measuring assembly</p> <p>Power Supply AC110/220V±10%, 50/60HZ                      Package Size(W*D*H)mm 450*200*360                      Gross Weight(kg) 6.5</p>	234000	42120	1	276120

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Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
8	Single channel Adjustable Volume Pipettes 0.5-10ul ,10-100ul 100-1000ul	Dlab USA	14400	2592	1	16992
			14400	2592	1	16992
			14400	2592	1	16992
	White 10ul Pipette Tips (Pack of 1000) Yellow 200ul Pipette Tips (Pack of 1000) Blue 1000ul Pipette Tips (Pack of 500)	China	850	153	1	1003
380			68.4	1	448.4	
440			79.2	1	519.2	
9	8-channel Adjustable Volume Pipettes 5-50ul	Dlab USA	84000	15120	1	99120
10	Heating mantle 250ml	Heating Mantle M/s Faithful, China Specifications: Surface Max. Temp. 450°C Temperature control range: RT+20-250°C Heating element: Nichrome wire Heat power (KW) 0.35 Working Mode: Continuous Voltage(V): 100-120V or 200-240V	12400	2232	1	14632
11	Glass Beaker 25ml	Pyrex	182	32.76	1	214.76
	Glass Beaker 50ml	Pyrex	182	32.76	1	214.76
	Glass Beaker 100ml	Pyrex	210	37.8	1	247.8
	Glass Beaker 250ml	Pyrex	280	50.4	1	330.4
	Glass Beaker 500ml	Pyrex	490	88.2	1	578.2
	Measuring Cylinder 10ml	Pyrex	308	55.44	1	363.44
	Measuring Cylinder 25ml	Pyrex	392	70.56	1	462.56
	Measuring Cylinder 50ml	Pyrex	490	88.2	1	578.2
	Glass Pipettes 01ml	Pyrex	392	70.56	1	462.56
	Glass Pipettes 02ml	Pyrex	392	70.56	1	462.56
	Glass Pipettes 05ml	Pyrex	392	70.56	1	462.56
	Glass Pipettes 10ml	Pyrex	392	70.56	1	462.56
	Glass Pipettes 50ml	Pyrex	1190	214.2	1	1404.2
	Reagent Bottles 60ml	Pyrex	280	50.4	1	330.4
	Reagent Bottles 125ml	Pyrex	350	63	1	413
	Reagent Bottles 250ml	Pyrex	490	88.2	1	578.2
	Reagent Bottles 500ml	Pyrex	560	100.8	1	660.8
	Round bottom flask 10ml	Pyrex	350	63	1	413
	Round bottom flask 25ml	Pyrex	350	63	1	413
	Round bottom two neck flask (29/32) 250 ml	Pyrex	1400	252	1	1652
	Volumetric Flask 10ml	Pyrex	490	88.2	1	578.2
	Volumetric Flask 50ml	Pyrex	420	75.6	1	495.6
	Volumetric Flask 100ml	Pyrex	560	100.8	1	660.8
	Conical flask 25ml	Pyrex	490	88.2	1	578.2
	Conical flask 100ml	Pyrex	525	94.5	1	619.5
	Laboratory thermometer 110C	Zeal, Uk	252	45.36	1	297.36
	Digital Temperature 300C	Zeal, Uk	1190	214.2	1	1404.2
	Microscope Slides	China	420	75.6	1	495.6
	Glass Petri Dish	China	392	70.56	1	462.56
	Teflon Beaker 2ml	-	-	-	-	N/Q
	Vacuum Glass Desiccators 180 mm	China	10500	1890	1	12390
	Test Tube Rack	China	350	63	1	413
	Tweezers/ forceps set	Imported	910	163.8	1	1073.8
	Liebig Condenser with Plastic 250MM (24/29)	Pyrex	2100	378	1	2478
Crucible 30ml	China	350	63	1	413	
Watch glass medium	China	63	11.34	1	74.34	
Stirring rods	China	70	12.6	1	82.6	
Chromatography Column Different size	Imported	3500	630	1	4130	
Lot no 2 Se No 1 to 11 Grand Total						149076

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Page 01 of 01 Botany  
Iqbal & Sons Enterprises

87

Comes for Quality

Sr.	Chemical Name	Specifications	Unit Price Without GST	GST	Qty	Total with GST
1	Silver Nitrate	Sigma/ VWR	5800	1044	25 gm	6844
2	Methanol	Sigma/ VWR	1600	288	2 x 2.5 Liter	3776
3	Ethanol 98%	Sigma/ VWR	2600	468	2.5 Liter	3068
4	MES Cat # M49450	ACMEC	4000	720	25gm	4720
5	2-20ul tips	China	950	171	1000 x 5	5605
6	200ul tips	China	440	79.2	1000 x 2	1038.4
7	1000ul tips	China	530	95.4	1000 x 2	1250.8
8	PCR tubes 0.2ml	Sorfa Lab	4000	720	1000 x 5	23600
9	TAQ polymerase	Solar Bio Life Sciences	6500	Exempted	5 vials	32500
10	Primers	Macrogen Korea	104	Exempted	180 Bases	18720
11	Sanger Sequencing	Macrogen Korea	2200	Exempted	62 Samples	136400
12	Glacial Acetic Acid	Sigma/ VWR	3190	574.2	2.5 Liter	3764.2
13	Dimethyl Sulphoxide (DMSO)	Sigma/ VWR	14000	2520	2.5 Liter	16520
14	Zinc Nitrate	Sigma/ VWR	4490	808.2	25gm	5298.2
15	Palladium Chloride Cat # YS153497	Solar Bio Life Sciences	99400	17892	1 gm	117292
16	Iron Chloride (FeCl3.6H2O)	Sigma/ VWR	1400	252	25gm	1652
17	Cobalt Chloride	Sigma/ VWR	4440	799.2	25gm	5239.2
<b>Lot no 3 Sr 1 to 17 Grand Total</b>						<b>387288</b>

**Terms & Conditions:-**

If any model of any product will discontinued then we will supply alternate model/product against discontinued product

Validity: 120 days form issue of this quotation.

Availability: 4-6 weeks after confirm order.

Sales Tax No: 3277876177205

National Tax No: 6470488-1

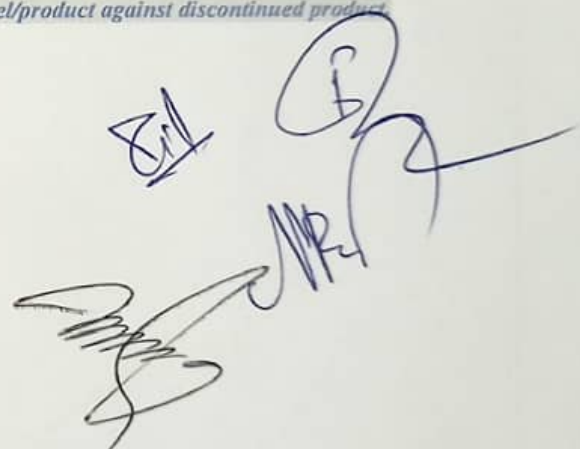
Yours Truly,

Waqas Iqbal

Iqbal & Sons Enterprises

0342-5641789

  
Iqbal & Sons Enterprises  
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Rawalpindi  
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0259 SUBZI MANDI MINGORA

Payees A/C Only

TREASURER UNIVERSITY OF SWAT.....

Received from  
THREE THOUSAND ONLY  
Rupees

as a deposit at call bearing no profit subject to general rules of the bank with respect to such deposit.

*Please do not accept handwritten / tampered instrument in any case.*  
When payment is required, this receipt must be returned to the bank duly discharged by the depositor under the words "Received Payment".

Please do not write below this line.

1469361301402691000175690001026910801

CDR No. 14693614

Stationery/Ref No:

CDR.14693614

1 3 0 3 2 4

PKR 3,000.00\*\*\*

*[Signature]*  
Authorized Signatory  
IBS No. 35043

*[Signature]*  
Authorized Signatory  
IBS No. 27602

# CALL DEPOSIT RECEIPT Allied Bank

0259 SUBZI MANDI MINGORA

Payees A/C Only

TREASURER UNIVERSITY OF SWAT.....

Received from  
FIVE THOUSAND ONLY  
Rupees

as a deposit at call bearing no profit subject to general rules of the bank with respect to such deposit.

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When payment is required, this receipt must be returned to the bank duly discharged by the depositor under the words "Received Payment".

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CDR No. 14693613

Stationery/Ref No:

CDR.14693613

1 3 0 3 2 4

PKR 5,000.00\*\*\*

*[Signature]*  
Authorized Signatory  
IBS No. 35043

*[Signature]*  
Authorized Signatory  
IBS No. 27602

# CALL DEPOSIT RECEIPT Allied Bank

0259 SUBZI MANDI MINGORA

Payees A/C Only

TREASURER UNIVERSITY OF SWAT.....

Received from  
TWO THOUSAND ONLY  
Rupees

as a deposit at call bearing no profit subject to general rules of the bank with respect to such deposit.

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CDR No. 14693612

Stationery/Ref No:

CDR.14693612

1 3 0 3 2 4

PKR 2,000.00\*\*\*

*[Signature]*  
Authorized Signatory  
IBS No. 35043

*[Signature]*  
Authorized Signatory  
IBS No. 27602



151

14693610140269100017569000102691080

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as a deposit at call bearing no profit subject to general rules of the bank with respect to such deposit.  
Please do not accept handwritten / tampered instrument in any case.  
When payment is required, this receipt must be returned to the bank duly discharged by the depositor  
under the words "Received Payment".

Received from  
TREASURER UNIVERSITY OF SWAT  
Rupees  
TWENTY FIVE THOUSAND ONLY

0269 SUBZI MANDI MINGORA  
Payees A/C Only  
Allied Bank

CALL DEPOSIT RECEIPT

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IBS No. 35043  
Authorized Signatory  
IBS No. 27602

Authorized Signatory  
IBS No. 27602

PKR 25,000.00

1 3 0 3 2 4

CDR 14693611

Stationery/Ref No:

CDR No. 14693611

CDR No. 14693610

Stationery/Ref No:

1 3 0 3 2 4  
CDR 14693610

PKR 12,200.00

Authorized Signatory  
IBS No. 35043  
Authorized Signatory  
IBS No. 27602

CALL DEPOSIT RECEIPT

0269 SUBZI MANDI MINGORA

Payees A/C Only

TREASURER UNIVERSITY OF SWAT  
Received from

TWELVE THOUSAND TWO HUNDRED ONLY  
Rupees

as a deposit at call bearing no profit subject to general rules of the bank with respect to such deposit.  
Please do not accept handwritten / tampered instrument in any case.  
When payment is required, this receipt must be returned to the bank duly discharged by the depositor  
under the words "Received Payment".

Please do not write below this line.

14693610140269100017569000102691080

## QUOTATION

### UNIVERSITY OF SWAT.

#### List of Chemicals Required for the Institute of Chemical Sciences (ICS) University of Swat

S.No	Name of items	Make/Company	Price per unit	Unit
1	Sodium Lauryl Sulphate	Sigma/ VWR	2650	500gm
2	Sodium dodecylsulphate	Sigma/ VWR	2650	500gm
3	1,3 dibromopropane Cat # D806819	Macklin Chemicals	7650	100gm
4	1,5 dibromopropane Cat # D807046	Macklin Chemicals	7250	100gm
5	Sodium Borohydride	Sigma/ VWR	10350	25gm
6	Pyrol Cat # P815709	Macklin Chemicals	27650	100gm
7	Amino Black 10B AR Cat # A800954	Macklin Chemicals	11350	100gm
8	Acid Blue V Cat # P815983	Macklin Chemicals	10450	5gm
9	Benzedine	Sigma/ VWR	6950	25gm
10	Acid Orange II Cat # O815269	Macklin Chemicals	5365	25gm
11	Acid Red G Cat # A832389	Macklin Chemicals	11750	25gm
12	Acid Brilliant Yellow G	Sigma/ VWR	21650	25gm
13	Methylene Blue BB	Sigma/ VWR	5875	5gm
14	Basic Brown G Cat # B6008	Macklin Chemicals	7235	25gm
15	Malachite Green Crystals	Sigma/ VWR	5987	25gm
16	Chrysodine Cat # C805245	Sigma/ VWR	20780	25gm
17	Rhodamine 6GDN Cat # R817247	Macklin Chemicals	6250	5gm
18	Methyl Violet 2B Cat # M813694	Macklin Chemicals	6250	25gm
19	Auramine O	Sigma/ VWR	7125	25gm
20	Silver nitrate (AgNo3)	Sigma/ VWR	8400	50gm
21	Iron Oxide	Sigma/ VWR	5125	500gm
22	Polyethylene glycol (PEG)	Sigma/ VWR	5425	500gm
23	Polyvinyle Chloride (PVC)	Sigma/ VWR	6125	100gm
24	1-nephthalamine	Sigma/ VWR	6990	100gm
25	2,4 dinitroaniline Cat # D807529	Macklin Chemicals	9900	100gm
26	Silica Gel	Sigma/ VWR	75000	Kg
27	1,3 diamino propane Cat # P815643	Macklin Chemicals	16250	100gm
28	Benzene	Sigma/ VWR	5875	1 Liter
29	Ethanol 98%	Sigma/ VWR	4655	2.5L
30	Methanol	Sigma/ VWR	2445	2.5L
31	Dichloromethane (DCM)	Sigma/ VWR	5785	2.5L
32	Acetone	Sigma/ VWR	8250	2.5L

Deals In: Electro medical Equipments, Laboratory Instruments, Chemical, Glassware, School, College and University Laboratory Equipments, Food Industry Equipments, Pharmaceutical Industry Equipments, Agricultural Industry Equipments, Anatomy Models, Computers & Allied Accessories, Plant & Machinery, Sports Items + other School related Items & General Order Suppliers



# NEW Rahmat TRADERS

Palwasha Market.  
Main Bazar Chowk Mingora  
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Fax: 0946 - 712499  
E-mail: nrtswat@gmail.com  
E-mail: itbar77@yahoo.com

33	Acetonitrile	Sigma/ VWR	22350	2.5L
34	Carbon Black	Sigma/ VWR	3245	250g
35	Chloroform	Sigma/ VWR	4985	2.5L
36	Chromatographic Column	Imported	3999	Each
37	Cobalt Nitrate	Sigma/ VWR	4665	100g
38	Chromatographic Column small	Imported	3999	Each
39	Chromatographic Column Medium	Imported	4445	Each
40	Chromatographic Column Large	Imported	7500	5
41	Potassium Permanganate	Sigma/ VWR	3999	250g
42	THF	Sigma/ VWR	4899	500ml
43	Meta bromo benzaldehyde Cat # B802531	Macklin Chemicals	5875	25gm
44	2,4 di bromo aniline Cat # D806462	Macklin Chemicals	9780	5gm
45	2,4 6 tri bromo aniline Cat # T830199	Macklin Chemicals	6875	25gm
46	Aniline	Sigma/ VWR	5875	1 Liter
47	Para methyl aniline Cat # T819303	Macklin Chemicals	6450	100gm
48	Acetonitrille (HPLC grade)	Sigma/ VWR	29875	2.5 Liter
49	N hexane (HPLC grade) Cat # H810749	Macklin Chemicals	24325	01 Liter
50	1,5 dibromo pentane Cat # D807046	Macklin Chemicals	7020	100gm
51	2,4 dibromo benzaldehyde Cat # D843792	Macklin Chemicals	5780	1gm
52	2,4,6 tribromo aniline Cat # T830199	Macklin Chemicals	6785	25gm
53	Para bromo aniline Cat # B802190	Macklin Chemicals	7785	25gm
54	N hexane	Sigma/ VWR	4785	2.5 Lit
55	DMSO	Sigma/ VWR	21500	2.5 Liter
56	Zinc Oxide (ZnO)	Sigma/ VWR	3999	500gm
57	Titinium Oxide (TiO2)	Sigma/ VWR	4999	500gm
58	Ferrous chloride (FeCl2)	Sigma/ VWR	2945	01 kg
59	Ferric Chloride (FeCl3)	Sigma/ VWR	3645	01 kg
60	Zinc Chloride (ZnCl2)	Sigma/ VWR	3465	01 kg
61	HCL	Sigma/ VWR	4999	2.5 Lit
62	Zinc Sulphate (ZnSO4)	Sigma/ VWR	2465	500gm
63	Gold Dichloride (AuCl2)	-	-	-
64	Manganese Chloride (MnCl2)	Sigma/ VWR	3125	500gm
65	Manganese Chloride (MnSO4)	Sigma/ VWR	3085	01 kg
66	Manganese Oxide (MnO2)	Sigma/ VWR	4225	500gm
67	Vanadium Oxide Cat # V874825	Macklin Chemicals	14775	100gm
		<b>G.Total</b>	<b>603965/-</b>	

Deals In: Electro medical Equipments, Laboratory Instruments, Chemical, Glassware, School, College and University Laboratory Equipments, Food Industry Equipments, Pharmaceutical Industry Equipments, Agricultural Industry Equipments, Anatomy Models, Computers & Allied Accessories, Plant & Machinery, Sports Items + other School related Items & General Order Suppliers



# NEW Rahmat TRADERS

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Fax: 0946 - 712499  
E-mail: nrtswat@gmail.com  
E-mail: itbar77@yahoo.com

## QUOTATION

### UNIVERSITY OF SWAT.

#### List of Equipment's Required for the Institute of Chemical Sciences (ICS) University of Swat

S.No	Name of items	Make/Company	Price per unit								
1	Ultrasonic Cleaner	<b>Sonicator Ultrasonic Bath</b> <b>Model: E30 H,</b> <b>Make: "Elma" Germany</b> <b>Capacity: 2.75</b> <b>Weight: 2.8</b> All Stainless-steel interior/outer, Fixed heating controlled 80C with timer, Variable speed as well as continuous speed Operated on 220Volts	Rs. 159000/-Each								
2	PH Meter Bech Type	<b>Bench Top PH Meter</b> <b>Model: HI-2210</b> <b>Make: Hanna USA (assembled in Romania)</b> <b>Key features</b> <ul style="list-style-type: none"> <li>• Extra wide LCD displays pH &amp; temperature</li> <li>• Standard pH range: -2 to 16pH with 0.01 resolution</li> <li>• Wide temperature range: -9.9°C to 120°C</li> <li>• On-screen step by step calibration guide</li> <li>• Calibration expiration reminder helps users make sure the meter is in optimum working order each and every time.</li> <li>• pH calibration with stability indicator makes process error free</li> <li>• Sturdy wide-based casing with easy to use buttons for quick efficient testing</li> <li>• Automatic temperature compensation</li> <li>• Measurement memory / memory recall function</li> </ul> <b>Technical Data</b> <table> <tr> <td>Range - pH</td> <td>-2.00 to 16.00 pH</td> </tr> <tr> <td>Range - mV</td> <td>±399.9 mV; ±2000 mV</td> </tr> <tr> <td>Range - Temperature</td> <td>-9.9 to 120 °C</td> </tr> <tr> <td>Resolution - pH</td> <td>0.01 pH</td> </tr> </table>	Range - pH	-2.00 to 16.00 pH	Range - mV	±399.9 mV; ±2000 mV	Range - Temperature	-9.9 to 120 °C	Resolution - pH	0.01 pH	Rs. 159000/-Each
Range - pH	-2.00 to 16.00 pH										
Range - mV	±399.9 mV; ±2000 mV										
Range - Temperature	-9.9 to 120 °C										
Resolution - pH	0.01 pH										

Deals In: Electro medical Equipments, Laboratory Instruments, Chemical, Glassware, School, College and University Laboratory Equipments, Food Industry Equipments, Pharmaceutical Industry Equipments, Agricultural Industry Equipments, Anatomy Models, Computers & Allied Accessories, Plant & Machinery, Sports Items + other School related Items & General Order Suppliers





148

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E-mail: nrtswat@gmail.com  
E-mail: itbar77@yahoo.com

	Digital Thermostatic Water Bath	Specifications should be: Temperature control range: Room temperature to 100C Temperature fluctuation: 0.5C Heating power: 1800W Working room size: L62 W32 H12cm Digital display: Yes Power Supply: AC 220V/110V 50Hz/60Hz <b>Model No DWB20-S DLAB USA (assembled in China)</b>	Rs. 149000/- Each
5	Glass Distillation Apparatus	<b>Distillation Apparatus</b> <b>Model: W4L</b> <b>Make: Favorite Taiwan</b> <b>Specification:</b> Built in constant level device Conductivity: 3 to 4 us/cm Output: 4 liter per hour Safety thermostat built into the heater assembly Boiler fitted with 3KW chromium plate heater	Rs. 162000/-Each
6	Digital Orbital Shaker	Specifications should be: Orbital diameter: 20mm Max. load capacity (with platform): 3kg Motor type: DC motor Motor input power: 16W Motor output power: 10W Power: 20W Speed range: 0-200rpm Speed display: scale Permissible ambient temperature and humidity: 5-40°C 80%RH Voltage: 100-240V,50/60Hz Protection class: IP21 <b>MODEL NO SK-0330-PRO DLAB USA (assembled in China)</b>	Rs. 187000/- Each
8	Single channel Adjustable Volume Pipettes	Specifications should be: Micropipette 0.5-10uL Micropipette 10-100uL Micropipette 100-1000uL DRAGONLAB CHINA Yellow, Blue & White Tips for Single Channel Pipette	Rs. 5400/-Each size  Rs. 1450/-Each Pkt

Deals In: Electro medical Equipments, Laboratory Instruments, Chemical, Glassware, School, College and University Laboratory Equipments, Food Industry Equipments, Pharmaceutical Industry Equipments, Agricultural Industry Equipments, Anatomy Models, Computers & Allied Accessories, Plant & Machinery, Sports Items + other School related Items & General Order Suppliers



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	8-channel Adjustable Volume Pipettes	<p>Specifications should be: Dispensing head rotates ensure optimum pipetting convenience Individual piston/tip cone assemblies allow easy repair and maintenance Compound material tip cone design allows visual seal verification Universal pipette tips can be used Volume: 5-50<math>\mu</math>l <b>DLAB Multi Channel Micropipette Plus</b> <b>DLAB USA (assembled in China)</b></p>	Rs. 88800/- Each
10	Heating Mental	<p>5Ltr Capacity  Made in Korea</p>	Rs. 135000/-Each
		<b>Grand Total</b>	Rs. 1215650/-

*(Handwritten signatures and date)*  
APR 24/2004

Deals In: Electro medical Equipments, Laboratory Instruments, Chemical, Glassware, School, College and University Laboratory Equipments,  
Food Industry Equipments, Pharmaceutical Industry Equipments, Agricultural Industry Equipments, Anatomy Models, Computers &  
Allied Accessories, Plant & Machinery, Sports Items + other School related Items & General Order Suppliers

**QUOTATION**

**UNIVERSITY OF SWAT.**

**LIST OF GLASSWARE.**

S. No	Name of Items	Company/Make	Price	Unit
1	Glass Beaker 25ml	Pyrex	225	Each
2	Glass Beaker 50ml	Pyrex	230	Each
3	Glass Beaker 100ml	Pyrex	285	Each
4	Glass Beaker 250ml	Pyrex	385	Each
5	Glass Beaker 500ml	Pyrex	625	Each
6	Measuring Cylinder 10ml	Pyrex	398	Each
7	Measuring Cylinder 25ml	Pyrex	515	Each
8	Measuring Cylinder 50ml	Pyrex	625	Each
9	Glass Pipettes 01ml	Pyrex	525	Each
10	Glass Pipettes 02ml	Pyrex	525	Each
11	Glass Pipettes 05ml	Pyrex	545	Each
12	Glass Pipettes 10ml	Pyrex	625	Each
13	Glass Pipettes 50ml	Pyrex	1750	Each
14	Reagent Bottles 60ml	Pyrex	415	Each
15	Reagent Bottles 125ml	Pyrex	515	Each
16	Reagent Bottles 250ml	Pyrex	645	Each
17	Reagent Bottles 500ml	Pyrex	690	Each
18	Round bottom flask 10ml	Pyrex	490	Each
19	Round bottom flask 25ml	Pyrex	495	Each
20	Round bottom two neck flask (29/32) 250 ml	Pyrex	2150	Each
21	Volumetric Flask 10ml	Pyrex	625	Each
22	Volumetric Flask 50ml	Pyrex	595	Each
23	Volumetric Flask 100ml	Pyrex	765	Each
24	Conical flask 25ml	Pyrex	695	Each
25	Conical flask 100ml	Pyrex	725	Each
26	Laboratory thermometer 110C	Zeal, Uk	549	Each
27	Digital Temperature 300C	Zeal, Uk	1800	Each
28	Microscope Slides	China	490	Each
29	Glass Petri Dish	China	490	Each
30	Teflon Beaker 2ml		NQ	Each
31	Vacuum Glass Desiccators 180 mm	China	13500	Each
32	Test Tube Rack	China	625	Each
33	Tweezers/ forceps set	Imported	1650	Each
34	Liebig Condenser with Plastic 250MM (24/29)	Pyrex	3850	Each
35	Crucible 30ml	China	625	Each
36	Watch glass medium	Pak	125	Each
37	Stirring rods	Pak	110	Each
38	Chromatography Column Different size	Imported	6500	Each
		<b>Grand Total</b>	<b>46377/-</b>	

Deals in: Electro medical Equipments, Laboratory Instruments, Chemical, Glassware, School, College and University Laboratory Equipments, Food Industry Equipments, Pharmaceutical Industry Equipments, Agricultural Industry Equipments, Anatomy Models, Computers & Allied Accessories, Plant & Machinery, Sports Items + other School related Items & General Order Suppliers



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E-mail: nrtswat@gmail.com  
E-mail: itbar77@yahoo.com

QUOTATION

UNIVERSITY OF SWAT.

List of Chemicals Required for the Centre for plant Sciences and Bio Diversity, University of Swat

Sr.	Chemical Name	Make	U.Price	Qty per Unit
1	Silver Nitrate	Sigma/ VWR	6800	25 gm
2	Methanol	Sigma/ VWR	2950	2.5 Liter
3	Ethanol	Sigma/ VWR	19850	2.5 Liter
4	MES Cat # M49450	ACMEC	10250	25gm
5	2-20ul tips	China	1150	Pkt
6	200ul tips	China	750	Pkt
7	1000ul tips	China	765	Pkt
8	PCR tubes 0.2ml	Sorfa Lab	7850	Pkt
9	TAQ polymerase	Solar Bio Life Sciences	9500	vial
10	Primers	Macrogen Korea	450	180 Bases
11	Sanger Sequencing	Macrogen Korea	4250	62 Samples
12	Glacial Acetic Acid	Sigma/ VWR	6250	2.5 Liter
13	Dimethyl Sulphoxide (DMSO)	Sigma/ VWR	21500	2.5 Liter
14	Zinc Nitrate	Sigma/ VWR	5950	25gm
15	Palladium Chloride Cat # YS153497	Solar Bio Life Sciences	135000	1 gm
16	Iron Chloride (FeCl3.6H2O)	Sigma/ VWR	4750	25gm
17	Cobalt Chloride	Sigma/ VWR	5980	25gm
<b>Total.</b>			<b>Rs. 243995/-</b>	

*(Handwritten signatures)*

955812409800

CALL DEPOSIT RECEIPT



Allied Bank

http://10.133.249.5/T24/ABI/Servlet/Browser?IBS No. 14278015

Stationery/Ref No:

189

0515 SHAHDARA DISTT SH-PURA

CDR: 14278015					
1	3	0	3	2	4

Received from: TREASURER UNIVERSITY OF SWAT\*\*\*\*\*

FOURTY THOUSAND ONLY

pees

PKR

\*\*\*40,000.00

*[Handwritten Signature]*

*[Handwritten Signature]*

Authorized Signatory

Authorized Signatory

IBS No. 31510

IBS No. 14263

is a deposit at call bearing no profit subject to general rules of the bank with respect to such deposit.

Please do not accept handwritten / tampered instrument in any case.

When payment is required, this receipt must be returned to the bank duly discharged by the depositor under the words "Received Payment".

Please do not write below this line.

⑈ 14 2780 15⑈ 0 1405 15⑈ 000 17569000 105 15⑈ 080⑈





# Galaxy International

N 7192665-0  
Ref No; Galaxy/-0100-24

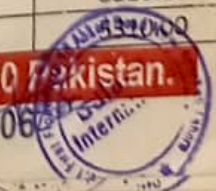
Dated: Mar 7, 2024

Treasurer,  
University of Swat.

S.No	Item Name	Specifications	Unit Price Without GST (PKR)	GST	Qty	Total Price With GST (PKR)
01	Sodium Lauryl Sulphate	SIGMA ALDRICH	3800.00	684.00	500-G	4484.00
02	Sodium dodecylsulphate	SIGMA ALDRICH	3800.00	684.00	500-G	4484.00
03	1,3dibromopropane Cat No FD21597	CARBOSYNTH UK	19500.00	3510.00	250-G	23010.00
04	1,5 dibromopropane Cat No sc-255947	Santa Cruz USA	20000.00	3600.00	100-G	23600.00
05	Sodium Borohydride (NaBH <sub>4</sub> )	SIGMA ALDRICH	5500.00	990.00	25-G	6490.00
06	Pyrol	SIGMA ALDRICH	28000.00	5040.00	100-ML	33040.00
07	Amino Black 10B Cat No FA41038	Carbosynth UK	14500.00	2610.00	100-G	17110.00
08	Acid Blue V 100%	-	-	-	-	-
09	Benzedine	SIGMA ALDRICH	3000.00	540.00	25-G	3540.00
10	Orang II sodium salt Cat No sc-215634	Santa Cruz USA	16000.00	2880.00	25-G	18880.00
11	Acid Red G	SIGMA ALDRICH	7200.00	1296.00	25-G	8496.00
12	Acid Brilliant Yellow	SIGMA ALDRICH	6500.00	1170.00	25-G	7670.00
13	Methylene Blue	SIGMA ALDRICH	5500.00	990.00	5-G	6490.00
14	Basic Brown G	SIGMA ALDRICH	-	-	-	-
15	Malachite Green Crystals	SIGMA ALDRICH	3500.00	630.00	25-G	4130.00
16	Chrysodine Cat No sc-214717	Santa Cruz USA	24000.00	4320.00	25-G	28320.00
17	Rhodamine	SIGMA ALDRICH	9500.00	1710.00	5-G	11210.00
18	Methyl Violet 2B 100%	SIGMA ALDRICH	3500.00	630.00	25-G	4130.00
19	Auramine O Conc 100%/120%	SIGMA ALDRICH	3500.00	630.00	25-G	4130.00
20	Silver nitrate (AgNo <sub>3</sub> )	SIGMA ALDRICH	8000.00	1440.00	25-G	9440.00
21	Iron Oxide	SIGMA ALDRICH	3500.00	630.00	500-G	4130.00
22	Polyethylene glycol (PEG)	SIGMA ALDRICH	4500.00	810.00	500-G	5310.00
23	Polyvinyle Chloride (PVC)	SIGMA ALDRICH	4500.00	810.00	100-G	5310.00

*Handwritten signatures and dates:*  
8/3/24  
14/3/24

Office #1, First Floor Palaza at 16 Akbari Road new Anarkali, Lahore-54000 Pakistan.  
E-mail: galaxyint60@gmail.com, Cell: 0344-4524060 - 0309-6106906







# Galaxy International

186

NTN 7192665-0

5	Nephthalamine Cat No FN26153	CARBOSYNTH UK	32000.00	5760.00	100-g	37760.00
26	2,4 dinitroaniline Cat No sc-238342	Santa Cruz USA	15000.00	2700.00	100-G	17700.00
27	Silica Gel	SIGMA ALDRICH	2150-KG	387.00	2537-KG*25	63424.00
28	1,3 diamino propane Cat No 094590-100g	OAKWOOD USA	15000.00	2700.00	100-G	17700.00
29	Benzene	SIGMA ALDRICH	5500.00	990.00	LIT	6490.00
30	Ethanol	SIGMA ALDRICH	3200.00	576.00	2.5-L	3776.00
31	Methanol	SIGMA ALDRICH	2350.00	423.00	2.5-L	2773.00
32	Dichloromethane (DCM)	SIGMA ALDRICH	4800.00	864.00	2.5-L	5664.00
33	Acetone	SIGMA ALDRICH	5500.00	990.00	2.5-L	6490.00
34	Acetonitrile	SIGMA ALDRICH	26500.00	4770.00	4-L	31270.00
35	Carbon Black	SIGMA ALDRICH	2150.00	387.00	250-G	2537.00
36	Chloroform	SIGMA ALDRICH	5500.00	990.00	2.5-L	6490.00
37	Chromatographic Column	-	-	-	-	-
38	Cobalt Nitrate	SIGMA ALDRICH	2500.00	450.00	100-G	2950.00
39	Chromatographic Column	-	-	-	-	-
40	Chromatographic Column	-	-	-	-	-
41	Potassium Permanganate	SIGMA ALDRICH	3000.00	540.00	250-G	3540.00
42	THF	SIGMA ALDRICH	4800.00	864.00	500-ML	5664.00
43	Meta bromo benzaldehyde Cat No 003060-25g	OAKWOOD USA	8500.00	1530.00	25-G	10030.00
44	2,4 di bromo aniline Cat No sc-230936	Santa Cruz USA	15000.00	2700.00	5-g	17700.00
45	2,4 6 tri bromo aniline Cat No 008855-25g	OAKWOOD USA	13000.00	2340.00	25-g	15340.00
46	Aniline	SIGMA ALDRICH	2500.00	450.00	1-L	2950.00
47	Para methyl aniline	-	-	-	-	-
48	Acetonitrille (HPLC grade)	-	-	-	-	-
49	N hexane (HPLC grade)	-	-	-	-	-
50	1,5 dibromo pentane Cat No D0198	TCI AMERICA	1000.00	1800.00	25-G	11800.00
51	2,4 dibromo benzaldehyde Cat No FD143535	CARBOSYNTH UK	42000.00	7560.00	1-G	49560.00
52	2,4,6 tribromo aniline	-	-	-	-	-
53	Para bromo aniline	-	-	-	-	-
54	N hexane	SIGMA ALDRICH	4200-2.5L	756.00	4956-2.5L*2	9912.00
55	DMSO	SIGMA ALDRICH	16000.00	2880.00	2.5L	18880.00
56	Zinc Oxide (ZnO)	SIGMA ALDRICH	2500.00	450.00	500-G	1950.00
57	Titinium Oxide (TiO2)	SIGMA ALDRICH	4800.00	864.00	500-G	5664.00
58	Ferrous chloride (FeCl2)	SIGMA ALDRICH	4800.00	864.00	KG	4130.00
59	Ferrous chloride (FeCl2)	SIGMA ALDRICH	3500.00	630.00	KG	5900.00
60	Ferric Chloride (FeCl3)	SIGMA ALDRICH	5000.00	900.00	KG	5900.00
61	Zinc Chloride (ZnCl2)	SIGMA ALDRICH	3500.00	630.00	KG	4130.00
62	HCL	SIGMA ALDRICH	2500.00	450.00	2.5L*2	2950.00

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Page 3 of 8 for ICS

185

ITN 7192665-0

3	Zinc Sulphate (ZnSO4)	SIGMA ALDRICH	2500.00	450.00	500-G	4950.00
4	Gold Dichloride (AuCl2)	SIGMA ALDRICH	37500	6750.00	1-G	44250.00
5	Manganese Chloride (Mncl)	SIGMA ALDRICH	3500.00	630.00	500-G	4130.00
65	Manganese Chloride (MnSO4)	SIGMA ALDRICH	3500.00	630.00	KG	4130.00
66	Manganese Oxide (MnO2)	SIGMA ALDRICH	4800.00	864.00	500-G	5664.00
67	Vanadium Oxide (V2O5)	SIGMA ALDRICH	9500.00	1710.00	100-G	11210.00

## LAB EQUIPMENTS

S. No	Item Name	Specifications	Unit Price Without GST (PKR)	GST	Qty	Total Price With GST (PKR)
01	Ultra Sonic Cleaner Model No FSF-010S	<p>Use ordinary tap water, alcohol or solven as cleaning;            High power transducer cleaning effect significantly; usable macroscopic observation;            After cleaning objects shine light;            Digital LCD control boot time;            The stainless steel shell, bladder and cover, more upscale;            6) Waterproof properties is greatly improved, more safely products last;            7) With constant temperature system with heating;            8) The stainless steel ultrasonic cleaning basket</p> <p><b>TECHNICAL PARAMETERS:</b>            Frequency 40KHz            Transducer (PCS) 3            Capacity 2L            Tank size</p>	50000.00	9000.00	Nos	59000.00

*[Handwritten signature]*

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14/3/24



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# Galaxy International

<p>NTN 7192665-0</p>	<p>(L*W*H MM) 150*135*100 Ultrasonic Power(W) 80 Timer 0-30min Heater RT-80°C</p>				
<p>02 PH Meter (Benchtop) Model No PHS-550</p>	<p>Measuring range: pH: 0.00~14.00 °C: 0~100°C mv: ±1999mV Resolution: pH: 0.01pH °C: ±1°C Accuracy: PH: ±0.01pH °C: ±1°C Input impedance: ≥1×10<sup>12</sup>Ω Temperature compensation: 0-100°C automatic compensation Calibration: PH Meter Standard calibration Working temperature: 5~60°C, RH≤85%(Without magnetic interference around the meter) Power: DC9V Packing list: E201-C plastic case PH combination electrode (Temperature of solution 5-60°C be suitable) PH sample standard solution DC9V adapter</p>	<p>44000.00</p>	<p>7920.00</p>	<p>Nos</p>	<p>51920.00</p>
<p>03 Conductivity Meter (Benchtop) Model No DDS-22C</p>	<p>Measuring range: (0~199.9) s/cm (200~1999) μs/cm (2.00~19.99)ms/cm (20.0~199.9)ms/cm Resolution: 0.1μs/cm 1μs/cm 0.01 ms/cm 0.1ms/cm Accuracy: ±1.0%FS ATC 0~50°C Temperature coefficient 2.0%/°C corresponding electrode constant 0.1 1 10 Working condition:</p>	<p>75000.00</p>	<p>13500.00</p>	<p>Nos</p>	<p>88500.00</p>

*(Handwritten signatures and initials)*

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# Galaxy International

NTN 7192665-0

	<p>temperature: 5~35°C, RH&lt;85% Power: 220V±10%, 50Hz ± 1Hz, DC9V No notable vibration No strong magnetic field interference (except for geomagnetic field) Dimension 310*250*187mm Weight 1520g E201-C plastic case PH combination electrode (Temperature of solution 5-60°C be suitable) PH sample standard solution DC9V adapter</p>				
	<p>Digital Thermostatic Water Bath Model No HH-S4 Jiangsu Jinyi Instrument Technology</p> <p>The heated bath is a fluid placed in an open (metal) pot. Water and silicone oil are the most commonly used fluids. A water bath is used for temperatures up to 100 ° C. An oil bath is employed for temperatures over 100 ° C Temperature control range Room temperature+5 to 100 Celsius Temperature fluctuation 0.5Celsius Heating power 1200W CE, ISO13485/14001/9001 Certified</p>	55000.00	9900.00	Nos	64900.00
05	<p>Glass Distillation Assembly Model No W4L PolyScientific Malaysia</p> <p>Built-in constant level device with Vendura-Nova valve for drainage provide easy descaling without dismantling. •Compact construction suitable for bench and wall mounting. •High efficiency coil condenser ensure low temperature, high output quality distillate of conductivity 3 to 4µs/cm. •Horizontal thick wall heat resistant borosilicate glass boiler fitted with 3 KW chromium plated heater. •Safety thermostat built into the heater protect the Favorit water still in the even of water supply failure and automatically resets when the water supply is restored. •Screwthread connectors enable easy fitting or removal of hose safely <b>TECHNICAL PARAMETERS:</b></p> <p>Distillate output 4 litres per hour, single distilled</p>	110000.00	19800.00	Nos	129800.00

*[Handwritten signature]*

*[Handwritten initials]*



Office #1, First Floor Palaza at 16 Akbari Road new Anarkali, Lahore-54000 Pakistan.

E-mail: galaxyint60@gmail.com, Cell: 0344-4524060 - 0309-6106906



# Galaxy International

NTN 7192665-0

Water Supply Requirement	1 litre / min (Min pressure 3 p.s.i )(0.2 x 10 <sup>5</sup> NM-2)				
pH	5.0 to 6.5				
Conductivity	3.0 to 4.0 µs/cm				
Temperature	35 to 50 °C				
Pyrogen Content	Pyrogen free				
Power Requirement	220/240v , 50/60 Hz single phase, 13A fused				
Dimension (d x w x h)	50 x 15 x45 cm				

*(Handwritten signatures and initials)*



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# Galaxy International

NTN 7192665-0

<p>6 Digital Orbital Shaker Model No KJ201BD Jiangsu Kangjian</p>	<p>Features: —Designed for sieving and testing of syphilis RPR, TRUST, VDRL. —High quality DC motor, actual life &gt; 1000h. —Tight and reasonable structure makes it run stably. Adapted to various environment. —Adjustable knob design, easy to make stepless speed adjustment and running at any time within 15min/6</p> <p>TECHNICAL PARAMETERS:</p> <p>Operation method Circling Circling diameter 22mm Max. loading weight 1kg Speed range 20-210rpm Timing range 0-15min/0-60min Running mode Timing/Continuous Working plate size 315x218mm Input voltage(frequency) AC 220V±10%(50/60Hz) Input power 10W Protective class IP21 Permissible ambient temperature 5-50°C Permissible relative moisture 80% Dimensions 320x320x130mm Net. Weight 3.2kg</p>	<p>58000.00</p>	<p>10440.00</p>	<p>Nos</p>	<p>68440.00</p>
<p>08 Single Channel Adjustable Volume Pipettes</p>	<p>Micropipette 0.5-10uL Micropipette 10-100uL Micropipette 100-1000uL</p>	<p>7000.00 5500.00 5500.00</p>	<p>1260.00 990.00 990.00</p>	<p>Nos</p>	<p>8260.00 6490.00 6490.00</p>

*[Handwritten signatures]*

*[Handwritten initials]*



Office #1, First Floor Palaza at 16 Akbari Road new Anarkali, Lahore-54000 Pakistan.

E-mail: galaxyint60@gmail.com, Cell: 0344-4524060 - 0309-6106906



# Galaxy International

NTN 7192665-0		Yellow Tips	1200.00	216.00		1416.00
		Blue Tips	1200.00	216.00		1416.00
		White Tips	2500.00	450.00		2950.00
09	8-Channel Adjustable Volume Pipettes		-	-	-	-
10	Heating Mantle	Capacity(ml)	250	21500.00	3870.00	Nos 25370.00
		Heating Mode	Surface heat-conduction			
		Surface Max. Temp.( °C)	450°C			
		Temperature control range	RT+20~250°C			
		Speed range	0~1600rpm			
		Heating element	Nichrome wire			
		Stir bar	PTFE			
		Shell(Insulation Layer)	High quality aluminum silicate cotton			
		Motor power	0.01kW			
		Heating power (kW)	0.25			
		Working mode	Continuous			
		Exterior size (mm)	∅220×165			
		Packing size (mm)	230×230×195			
		Voltage(V)	100~120V or 200~240V			
		N.W. (Kg)	2.5			
		G.W. (Kg)	2.8			
		<p>Product Description:</p> <p>1.PID Single Screen Temperature controller.</p> <p>2.Heating and Stirring can be used simultaneously, stepless speed adjustable.</p> <p>3.PT100 Temperature sensor, with Adjustable Sensor Rack and Stainless Rods.</p>				

*(Handwritten signatures and initials)*







# Galaxy International

NTN 7192665-0

page 1 of 1 for Botany

179

## Lab chemicals FOR PLANT SCIENCES AND BIO DIVERSITY

S.No	Item Name	Specifications	Unit Price Without GST (PKR)	GST	Qty	Total Price With GST (PKR)
01	Silver Nitrate	SIGMA ALDRICH	5500.00	990.00	25-G	6490.00
02	Methanol	SIGMA ALDRICH	6000.00	1080.00	5-Lit	7080.00
03	Ethanol	SIGMA ALDRICH	3500.00	630.00	2.5-Lit	4130.00
04	MES	SIGMA ALDRICH	3500.00	630.00	25-G	4130.00
05	2-20 Micro Tips	IMPORTED	7500.00	7500.00	5000-Nos	7500.00
06	200 Micro Tips	IMPORTED	2500.00	450.00	2000-Nos	2950.00
07	1000 Micro Tips	IMPORTED	3000.00	540.00	2000-Nos	3540.00
08	PCR Tubes	IMPORTED	13000/-1000Nos	2340.00	1000-Nos*5	76700.00
09	Taq DNA Polymerase Cat No	Abclonal USA	9500.00	GST EXEMPTED	1000-UL	9500.00
10	Primers	-	-	-	-	-
11	Sanger Sequencing	-	-	-	-	-
12	Glacial Acetic Acid	SIGMA ALDRICH	3500.00	630.00	2.5-Lit	4130.00
13	Dimethyl Sulphoxide (DMSO)	SIGMA ALDRICH	16000.00	2880.00	2.5-Lit	18880.00
14	Zinc Nitrate	SIGMA ALDRICH	3500.00	630.00	100-G	4130.00
15	Palladium Chloride	SIGMA ALDRICH	20000-1G	3600.00	25-G	59000.00
16	Iron Chloride	-	-	-	-	-
17	Cobalt Chloride	SIGMA ALDRICH	5500.00	990.00	25-G	6490.00

Handwritten signatures and initials



Office #1, First Floor Palaza at 16 Akbari Road new Anarkali, Lahore-54000 Pakistan.  
E-mail: galaxyint60@gmail.com, Cell: 0344-4524060 - 0309-6106906

HABIB METROPOLITAN BANK LTD.  
IBB Peshawar Branch

SECURITY DEPOSIT RECEIPT

HM/SDR

609690

249

Date

13	-	03	-	2024
----	---	----	---	------

Received

from IRFAN ENTERPRISES

(Name of the Applicant)

favoring

TREASURER UNIVERSITY OF SWAT

(Name of the Official Designation of Beneficiary)

the sum of rupees twenty five thousand only

Stationary Ref. No. 0609690

THIS RECEIPT IS NON TRANSFERABLE  
PAYABLE TO BENEFICIARY ONLY

PKR 25,000.00



Please do not write below this line

*RUSI KHAN*  
Customer Services Manager  
Habib Metropolitan Bank Ltd.  
Sirat IBB Peshawar

*JAMAL MUHAMMAD*  
Branch Manager  
Vice President  
Habib Metropolitan Bank  
IBB Peshawar



## List of Chemicals Required for the Institute of Chemical Sciences (ICS) University of Swat

S. No	Chemical Name	Unit	Amount
1	Sodium Lauryl Sulphate	500g	8100
2	Sodium dodecylsulphate	500g	8100
3	1,3 dibromopropane	100g	33300
4	1,5 dibromopropane	100g	35100
5	Sodium Borohydride (NaBH <sub>4</sub> )	25g	11700
6	Pyrol	100ml	31500
7	Amino Black 10B AR	100g	N.Q
8	Acid Blue V 100%	5g	N.Q
9	Benzedine	25	N.Q
10	Acid Orange II	25g	N.Q
11	Acid Red G 100%	25g	N.Q
12	Acid Brilliant Yellow G 100%	25g	N.Q
13	Methylene Blue BB Conc 100%	5g	11700
14	Basic Brown G 130%	25g	N.Q
15	Malachite Green Crystals 100%	25g	N.Q
16	Chrysodine 100%	25g	N.Q
17	Rhodamine 6GDN 100%	5g	N.Q
18	Methyl Violet 2B 100%	25g	N.Q
19	Auramine O Conc 100%/120%	25g	N.Q
20	Silver nitrate (AgNO <sub>3</sub> )	50g	N.Q
21	Iron Oxide	500g	8100
22	Polyethylene glycol (PEG)	500g	9360
23	Polyvinyle Chloride (PVC)	100g	N.Q
24	1-nephthalamine	100g	N.Q
25	2,4 dinitroaniline	100g	N.Q
26	Silica Gel	1kg	8100
27	1,3 diamino propane	100g	N.Q
28	Benzene	1L	10800
29	Ethanol	2.5L	5400
30	Methanol	2.5L	2970
31	Dichloromethane (DCM)	2.5L	13500
32	Acetone	2.5L	10800
33	Acetonitrile	4L	33300



*Handwritten signature and date: 14/12/24*

*Handwritten signature and date: 14/12/24*

219

S. No	Chemical Name	Unit	Amount
34	Carbon Black	250g	8100
35	Chloroform	2.5L	5400
36	Chromatographic Column	5	N.Q
37	Cobalt Nitrate	100g	8100
38	Chromatographic Column	5	N.Q
39	Chromatographic Column	5	N.Q
40	Chromatographic Column	5	N.Q
41	Potassium Permanganate	250g	9360
42	THF	500ml	10800
43	Meta bromo benzaldehyde	10ml	N.Q
44	2,4 di bromo aniline	5g	N.Q
45	2,4 6 tri bromo aniline	25g	N.Q
46	Aniline	1L	N.Q
47	Para methyl aniline	1ml	N.Q
48	Acetonitrille (HPLC grade)	4L	33300
49	N hexane (HPLC grade)	1lit	35100
50	1,5 dibromo pentane	100mg	N.Q
51	2,4 dibromo benzaldehyde	1g	N.Q
52	2,4,6 tribromo aniline	5g	N.Q
53	Para bromo aniline	25g	N.Q
54	N hexane	2.5lit	4410
55	DMSO	2.5	26100
56	Zinc Oxide (ZnO)	500g	11160
57	Titinium Oxide (TiO2)	500g	11700
58	Ferrous chloride (FeCl2)	1kg	6300
59	Ferric Chloride (FeCl3)	500g	7020
60	Zinc Chloride (ZnCl2)	1kg	8100
61	HCL	2.5lit	9900
62	Zinc Sulphate (ZnSO4)	500g	9360
63	Gold Dichloride (AuCl2)	250mg	N.Q
64	Manganese Chloride (Mncl2)	500g	8100
65	Manganese Chloride (MnSO4)	1kg	11160
66	Manganese Oxide (MnO2)	500g	10440
67	Vanadium Oxide (V2O5)	100g	N.Q

*[Handwritten Signature]*  
14/12/24



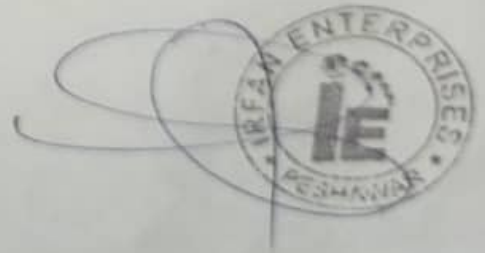
**Irfan Enterprises**Head Office:

Office A2, Block A, Asghar Plaza, Tehkal Payan  
University Road, Peshawar 25000 Pakistan  
Ph: +92-91-5711793, Fax: +92-91-5711793  
Cell: 0313-9213351, 0333-9213351  
E-mail: irfanenterprises@hotmail.com

Item Name	Specifications	Unit price Without GST	GST 18%	Qty	Total Price with GST
Ultrasonic Cleaner	Model: FSF-010S Made: Faithful Instrument, Co. Ltd, China	55,085	9,915	01	65,000
PH METER (BENCHTOP)	Model: PH200E Made: Shanghai INESA Scientific Instrument, Co. Ltd, China	83,898	15,102	01	99,000
Conductivity meter (Bench top)	Model: EC400F Made: Shanghai INESA Scientific Instrument, Co. Ltd, China	142,373	25,627	01	168,000
Digital Thermostatic Water Bath	Model: DK2000IIIL Made: Faithful Instrument, Co. Ltd, China	83,898	15,102	01	99,000
Glass Distillation Apparatus	Model: W4L Made: Favorit, Malaysia	148,305	26,695	01	175,000
Digital Orbital Shaker	Model: OS-40-Pro Made: Joan Lab Equipment Co. Ltd, China	203,390	36,610	01	240,000

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Customer Copy

BankIslami 

20280

120

369/282318/20280

**CALL DEPOSIT RECEIPT**

Chakdara Branch, Chakdara (S109)

CDR No. 00282318  
282318

Date: 13/03/2024


RECEIVED FROM TREASURER UNIVERSITY OF SWAT \*\*\* - ON A/C OF- ALAM & COMPANY  
(NAME OF THE APPLICANT)

THE SUM OF RUPEES Forty Thousand Only

AS AND BY WAY OF CALL DEPOSIT REPAYABLE AT CALL ACCORDING TO THE TERMS AND CONDITIONS PRINTED OVERLEAF.

For BankIslami Pakistan Limited

Rs. 40,000.00

  
Authorized Signature

  
Authorized Signature





# Alam And Company

No.....

Date.....

## Quotation for Institute of chemicals science

S no	Name of item	Make	quantity	Price
1	Sodium Lauryl Sulphate	Macklin China	500gm	3800
2	Sodium dodecylsulphate	Macklin China	500gm	3800
3	1,3 dibromopropane	Macklin China	500gm	29500
4	1,2 dibromopropane	Macklin China	500gm	47000
5	SodiumBorohydribe	Macklin China	25gm	9000
6	Pyrol	Macklin China	100ml	27000
7	AminoBlack10B AR	Macklin China	100gm	29500
8	Acid Blue V 100%	Macklin China	5gm	42000
9	Benzedine	Macklin China	100gm	44500
10	AcidOrange II	Macklin China	25gm	14500
11	Acid Red G 100%	Macklin China	25gm	23000
12	Acid Brilliant Yellow	Macklin China	5gm	24000
13	MethyleneBlue BBConc	Macklin China	5gm	3200
14	Basic Brown G 130%	Macklin China	100gm	23500
15	MalachiteGreenCrystals	Macklin China	25gm	3800
16	Chrysodine 100	Macklin China	25gm	29500
17	Rhodamine 6GDN 100%	Macklin China	25gm	19500
18	Methyl Violet 2B 100%	Macklin China	100gm	21000
19	AuramineOConc100%/120%	Macklin China	25gm	7500
20	Silvernitrate(AgNO3	Macklin China	25gm	9500
21	Iron Oxide	Macklin China	500gm	4500
22	Polyethyleneglycol (PEG)	Macklin China	500gm	4500
23	Polyvinyle Chloride (PVC)	Macklin China	100gm	5900
24	1-nephthalamine	Macklin China	100gm	22000
25	2,4 dinitroaniline	Macklin China	100gm	24000
26	Silica gel for Column Chromatography	Macklin China	1kg	16500
27	1,3 diamino propane	Macklin China	100ml	24500
28	Benzene	Macklin China	Liter	8000
29	Ethanol	Sigma	2.5L	4500
30	Methanol	Sigma	2.5L	2800
31	Dichloromethane(DCM)	Sigma	2.5L	4500
32	Acetone	Sigma	2.5L	8500
33	Acetonitrile	Sigma	2.5L	18000

Handwritten signatures and dates: 14/3/24, 14/3/24

Alam and Company  
Proprietor: Abrar Alam

### Address:

Alam and Company Batkhela City Center  
Pull Chowki Interchange Distt Malakand.  
Office Manager: Abrar Alam Cell: 0345-3973792  
Managing Director: Amjad Alam Cell: 0300-9070072  
Email: alamandco786@yahoo.com

Govt. Contractor, Approved By Health Department KPK  
Deal In Medical Equipment, Lab Equipment, Bedding Clothing,  
Chemicals, Surgical Instruments, Hospital Furniture,  
Computer Accessories, School Science Lab & General Suppliers







# Alam And Company

Date.....

34	Carbon Black	Sigma	25gm	4800
35	Chloroform	Sigma	2.5L	4500
36	Chromatographic Column Glass			
37	Cobalt Nitrate	Sigma	100gm	9500
38	Chromatographic Column Glass			
39	Chromatographic Column glass			
40	Chromatographic Column Glass			
41	Potassium Permanganate	Sigma	250gm	4500
42	THF	Sigma	Liter	11000
43	Meta bromobenzaldehyde	Macklin China	25gm	21000
44	2,4 di bromo aniline	Macklin China	5gm	18500
45	2,4 6 tri bromo aniline	Macklin China	25gm	23000
46	Aniline	Macklin China	Liter	8000
47	Para methyl aniline	Macklin China	100gm	28000
48	Acetonitrile (HPLC grade)	Macklin China	Liter	9500
49	Nhexane (HPLC grade)	Macklin China	Liter	9500
50	1,5 dibromo pentane	Macklin China	500gm	34500
51	2,4 dibromobenzaldehyde	Macklin China	1gm	21000
52	2,4,6 tribromo aniline	Macklin China	25gm	26000
53	Para bromo aniline	Macklin China	25gm	27800
54	N hexane	Macklin China	2.5L	4500
55	DMSO	Macklin China	2.5L	22000
56	Zinc Oxide (ZnO)	Macklin China	500gm	4200
57	Titanium Oxide (TiO <sub>2</sub> )	Macklin China	500gm	4500
58	Ferrous chloride (FeCl <sub>2</sub> )	Macklin China	1 kg	9500
59	Ferric chloride (FeCl <sub>3</sub> )	Macklin China	1 kg	4800
60	Zinc chloride (ZnCl <sub>2</sub> )	Macklin China	1 kg	4800
61	HCL	Macklin China	2.5L	4600
62	Zinc Sulphate	Macklin China	500gm	4800
63	Gold trichloride	Macklin China	1gm	52000
64	Manganese chloride	Macklin China	500gm	5600
65	Manganese chloride	Macklin China	1kg	4500
66	Manganese oxide	Macklin China	500gm	9500
67	Vanadium oxide	Macklin China	100gm	12500


  
 Alam and Company
   
 Proprietor: Abrar Alam

**Address:**

Alam and Company Batkhela City Center  
 Pull Chowki Interchange Distt Malakand.  
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 Managing Director: Amjad Alam Cell: 0300-9070072  
 Email: alamandco786@yahoo.com

Govt. Contractor, Approved By Health Department KPK  
 Deal in Medical Equipment, Lab Equipment, Bedding Clothing,  
 Chemicals, Surgical Instruments, Hospital Furniture,  
 Computer Accessories, School Science Lab & General Suppliers







# Alam And Company

Date.....

## Quotation for Institute of chemicals science

S no	Name of item	Make	quantity	Price
	1. GlassBeaker(25ml 380/-each,50ml 385/-each,100ml 390/-each,250ml 570/-each,500ml 780/-each) Pyrex			
	2. MeasuringCylinder(10ml 490/- each ,25ml 590/-each,50ml 730/-each) pyrex			
	3. GlassPipettes(01ml 450/-each,02ml 450/-each,05ml 450/-each,10ml 450/-each,50ml 1550/-each) pyrex			
	4. ReagentBottles(60ml 500/-each,125ml 650/-each,250ml 880/-each,500ml 950/-each) china			
	5. Roundbottomflask(10ml 520/-each,25ml 650/-each) pyrex			
	6. Roundbottom,twoneckflask(29/32),250ml 4950/-eachpyrex			
	7. VolumetricFlask(10ml 750/-each,50ml 1100/-each,100ml 1250/-each) pyrex			
	8. Conicalflask(25ml 700/-each,100ml 800/-each) pyrex			
	9. Laboratorythermometer,110C 600/-each china			
	10. DigitalTemperature,300C 1900/-each china			
	11. MicroscopeSlides 4750-pkt china			
	12. GlassPetriDish 90mm 780/-each Germany			
	13. TeflonBeaker,100ml 9500/-each China size is 100ml			
	14. VacuumGlassDesiccators,180mm 19800/-each china			
	15. TestTubeRack 1350/-each Local			
	16. Tweezers/forcepsset 1450/-each Local			
	17. LiebigCondenserwithPlastic,250MM,24/29. 4800/-each Quickfit			
	18. Crucible;mediumsize30ml 1380/-each China			
	19. Watchglass;medium 190/-each Local			
	20. Stirringrods 350/-each Local			
	ChromatographyColumn,Differentsize 5500-7500-9000-11500			



  
 Alam and Company  
 Proprietor: Abrar Alam  
 21/11/24

**Address:**

Alam and Company Bathkela City Center  
 Pull Chowki Interchange Distt Malakand.  
 Office Manager: Abrar Alam Cell: 0345-3973793  
 Managing Director: Amjad Alam Cell: 0300-9070072  
 Email: alamandco786@yahoo.com

Govt. Contractor, Approved By Health Department KPK  
 Deal in Medical Equipment, Lab Equipment, Bedding Clothing,  
 Chemicals, Surgical Instruments, Hospital Furniture,  
 Computer Accessories, School Science Lab & General Suppliers





# Bank AL Habib Limited

2006 - UNIVERSITY ROAD PESHAWAR BR.  
ARBAB CHOWK, UNIVERSITY ROAD, PESHAWAR PESHAWAR

NOT NEGOTIABLE  
A/C PAYEE ONLY

NOT OVER PKR = 50,000/-

Date 13 March 2024

C. D. R. No. 004 ~~98811030~~ / 2024 00

Amount PKR 50,000.00

PAY TREASURER UNIVERSITY OF SWAT ON  
A/C SCITECH SERVICES PROVIDER

AMOUNT PAKISTANI RUPEES FIFTY THOUSAND ONLY.

## Call Deposit Receipt

This Call Deposit Receipt is valid for three years from date of issue

11004981121102320061

For Bank AL Habib Limited

AUTHORIZED SIGNATORY  
NO. 280

AUTHORIZED SIGNATORY  
NO.

AUTHORIZED SIGNATORY  
NO.



273

**FINANCIAL OFFER**  
**Chemicals required for the Insitute of Chemical Sciences (ICS), University of Swat.**

Packing Size	Description	Brand	Unit Price with GST	Qty.	Total Price with GST
500 Grams	Sodium Lauryl Sulphate				
500 Grams	Sodium dodecylsulphate	Sigma-Aldrich	3,800.00	1	3,800.00
D806820-500g	1,3-Dibromopropane, 99%	Sigma-Aldrich	3,800.00	1	3,800.00
D807046-500g	1,5-Dibromopentane, 98%	Macklin	33,800.00	1	33,800.00
25 Grams	Sodium Borohydride (NaBH4)	Macklin	38,500.00	1	38,500.00
P815709-100ml	pyrrole, AR	Sigma-Aldrich	11,800.00	1	11,800.00
A800954-100G	Amino black 10B,AR	Macklin	32,400.00	2	64,800.00
P815983-5g	Patent blue VF, Indicator (Acid Blue V)	Macklin	19,400.00	1	19,400.00
O815268-25g	Orange II, Dye content >85%	Macklin	21,400.00	1	21,400.00
A800395-25g	Azo fluorescent pink, Biological stain (Acid Red G)	Macklin	20,800.00	1	20,800.00
A830929-25g	Acidic bright yellow G, tinctorial strength 97%-103%	Macklin	19,400.00	1	19,400.00
M859248-5g	Methylene blue, ≥98%	Macklin	19,700.00	1	19,700.00
B6008-25g	Bismarck brown, biotechnology grade	Macklin	24,400.00	1	24,400.00
25 Grams	Malachite Green powder	Macklin	18,800.00	1	18,800.00
05 Grams	Chrysoidine	Sigma-Aldrich	7,800.00	1	7,800.00
R787695-5g	Rhodamine 6G, 99%	Sigma-Aldrich	7,700.00	1	7,700.00
25 Grams	Methyl Violet 2B	Macklin	23,400.00	1	23,400.00
A800681-25g	Auramine O, 80%, used for biological staining	Sigma-Aldrich	7,200.00	1	7,200.00
25 Grams	Silver nitrate (AgNO3)	Macklin	22,400.00	1	22,400.00
500 Grams	Iron Oxide (Fe2O3)	Sigma-Aldrich	11,200.00	1	11,200.00
500 Grams	Polyethylene glycol (PEG)	Sigma-Aldrich	6,800.00	1	6,800.00
100 Grams	Polyvinyle Chloride (PVC)	Sigma-Aldrich	7,800.00	1	7,800.00
N814568-100g	1-Naphthylamine, AR, 99.0%	Sigma-Aldrich	9,900.00	1	9,900.00
		Macklin	19,700.00	1	19,700.00

**SCI-TECH**  
Delivering Solutions You Trust

*[Handwritten Signature]*

*[Handwritten Signature]*  
14/2/24





Page # 03 of 08 ICS

274

## FINANCIAL OFFER

Chemicals required for the Insitute of Chemical Sciences (ICS), University of Swat.

Sl. #:	Packing Size	Description	Brand	Unit Price with GST	Qty.	Total Price with GST
63	B802190-25g	p-bromoaniline,99%	Macklin	19,800.00	1	19,800.00
64	2.5 liters	n-Hexane	Sigma-Aldrich	5,900.00	2	11,800.00
65	2.5 liters	DMSO	Sigma-Aldrich	15,800.00	1	15,800.00
66	500 Grams	Zinc Oxide (ZnO)	Sigma-Aldrich	4,900.00	1	4,900.00
67	500 Grams	Titinium oxide (TiO2)	Sigma/ Macklin	17,800.00	1	17,800.00
68	01 KG	Ferrous chloride	Sigma-Aldrich	5,800.00	1	5,800.00
69	1811935-500g	Anhydrous ferric chloride,AR,99%	Macklin	19,800.00	1	19,800.00
70	01 KG	Zinc Chloride (ZnCl2)	Sigma-Aldrich	5,900.00	1	5,900.00
71	05 liters	HCL	Sigma-Aldrich	5,400.00	1	5,400.00
72	500 Grams	Zinc Sulphate (ZnSO4)	Sigma-Aldrich	4,400.00	1	4,400.00
73	G871937-250mg	Gold(III) chloride,98%	Macklin	47,500.00	1	47,500.00
74	500 Grams	Manganese chloride (Mncl2)	Sigma-Aldrich	4,800.00	1	4,800.00
75	01 KG	Manganese sulphate (MnSO4)	Sigma-Aldrich	4,900.00	1	4,900.00
76	500 Grams	Manganese Oxide (MnO2)	Sigma-Aldrich	6,700.00	1	6,700.00
77	100 Grams	Vanadium Oxide (V2O5)	Sigma-Aldrich	18,400.00	1	18,400.00

**SCITECH**  
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Page # 04 of 08 ICS

270

**FINANCIAL OFFER**  
Equipments required for the Insitute of Chemical Sciences (ICS), University of Swat.

Packing Size	Description	Unit Price with GST	Qty.	Total Price with GST
Each	<p><b>Ultrasonic Bath</b></p> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>◁ Standard basket and lid.</li> <li>◁ Time and temperature real-time display</li> <li>◁ Fully controller and programmable</li> <li>◁ Digital display, easy operation for time and temperature</li> </ul> <p><b>Capacity: 3.25 liters</b>  <b>Working Frequency: 400Hz</b>  <b>Timer: 1-99 min</b>  <b>Ultrasonic Power: 120W</b>  <b>Power Supply: AC110/220V, 50/60Hz</b>  <b>Brand: China</b></p>	68,800.00	1	68,800.00

Each	<p><b>pH meter (Benchtop)</b> Model: PHS-550 / PHS3C</p> <p><b>Technical Specifications:</b></p> <p>Measuring range: pH: 0.00~14.00                      °C: 0~100°C                      mV: ±1999mV</p> <p>Resolution: pH: 0.01pH                      °C: ±1°C</p> <p>Accuracy: pH: ±0.01pH                      °C: ±1°C</p> <p>Input impedance: ≥1×10<sup>12</sup>Ω                      Temp. compensation: 0-100°C automatic compensation                      Calibration: PH Meter Standard calibration                      Working temperature: 5~60°C, RH ≤ 85%                      Power: DC9V</p> <p>Packing list: E201-C plastic case PH combination electrode                      (Temperature of solution 5-60°C be suitable)                      PH sample standard solution                      DC9V adapter</p> <p>Dimension: 230×200×60mm                      Weight: 1.2KG                      Brand: China</p>	54,000.00	1	54,000.00
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Page # 05 of 08 ICS

269

## FINANCIAL OFFER

Equipments required for the Insitute of Chemical Sciences (ICS), University of Swat.

Packing Size	Description	Unit Price with GST	Qty.	Total Price with GST
Each	<b>Conductivity meter (Bench top)</b> Model: DDS-22  <b>Technical Specifications:</b> Measuring range: (0~199.9) $\mu$ s/cm, (200~1999) $\mu$ s/cm, (2.00~19.99)ms/cm, (20.0~199.9)ms/cm Resolution: 0.1 $\mu$ s/cm, 1 $\mu$ s/cm, 0.01 ms/cm, 0.1ms/cm Accuracy: $\pm$ 1.0%FS ATC: 0~50°C Temperature coefficient: 2.0%/°C corresponding electrode constant: 0.1, 1, 10 Working condition: Temperature: 5~35°C, RH: <85% Power: 220V $\pm$ 10%, 50Hz $\pm$ 1Hz, DC9V No notable vibration No strong magnetic field interference (except for geomagnetic field) Dimension: 310*250*187mm Weight: 1520g Brand: China	84,000.00	1	84,000.00
Each	<b>Digital Thermostatic Water Bath</b> Model: HH-S8  <b>Technical Specifications:</b> Temperature control range: Room temperature to 100 Celsius Temperature fluctuation: 0.5 Celsius Heating power: 1800W Working room size: L62 W32 H12cm Digital display: Yes Power Supply: AC 220V/110V 50Hz/60Hz Make: UK / USA/ Germany/ Korea/ China or Equal	108,000.00	1	108,000.00
Each	<b>Glass Distillation Apparatus</b>  <> Horizontal thick wall heat resistant Duran glass boiler fitted with 3 KW chromium plated heater. <> Compact construction suitable for bench and wall mounting. <> Built in constant level device with schott vendura-Nova valve for drainage provides easy decsalling without dismantling. <> Distillate Output: 4liters per hour single distilled. <> Power supply requirment: 220/240V, 50/60 Hz	148,500.00	1	148,500.00

Page # 06 of 08 ICS

268

## FINANCIAL OFFER

Equipments required for the Insitute of Chemical Sciences (ICS), University of Swat.

Quantity	Description	Unit Price with GST	Qty.	Total Price with GST
	<p><b>Technical Specifications</b>                      Distillate output: 4 litres per hour, single distilled                      Water Supply Requirement: 1 litre / min                      pH: 5.0 to 6.5                      Conductivity: 3.0 to 4.0 <math>\mu\text{s}/\text{cm}</math>                      Temperature: 35 to 50 <math>^{\circ}\text{C}</math>                      Pyrogen Content: Pyrogen free                      Power Requirement: 220/240v , 50/60 Hz single phase                      Dimension (d x w x h): 50 x 15 x45 cm                      Catalogue Number: P21001                      Model: W4L Favorit type                      Brand: China</p>			
Each	Digital Orbital Shaker	118,500.00	1	118,500.00
	<p><b>Technical Specifications</b>                      Orbital diameter: 20mm                      Max. load capacity (with platform): 3kg                      Motor type: DC motor                      Motor input power: 16W                      Motor output power: 10W                      Power: 20W                      Speed range: 0-200rpm                      Speed display: scale                      Permissible ambient temperature and humidity: 5-40<math>^{\circ}\text{C}</math> 80%RH                      Voltage: 100-240V,50/60Hz                      Protection class: IP21                      Dimension [W x D x H]: 370x420x100mm                      Weight: 3.1kg                      Model: SKO-180E                      Brand: Dlab</p>			
Each	High-precision Densimeter	314,000.00	1	314,000.00
	<p>Type: Liquid &amp; Solid                      Capacity: 0.001~120g                      Density Resolution: 0.0001 g/cm<sup>3</sup>                      Density Range: 0.0001~99.9999g/cm<sup>3</sup>                      Measuring Time: About 5s                      Calibration Mode: Auto correction, auto detection.                      Power Supply: AC110/220V<math>\pm</math>10%, 50/60HZ</p>			

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Page # 07 of 08 ICS

267

## FINANCIAL OFFER

Equipments required for the Insitute of Chemical Sciences (ICS), University of Swat.

Packing Size	Description	Unit Price with GST	Qty.	Total Price with GST	
<b>Single channel Adjustable Volume Pipettes</b>					
Each	Micropipette 0.5-10uL	9,800.00	1	9,800.00	
Each	Micropipette 10-100uL	9,800.00	1	9,800.00	
Each	Micropipette 100-1000uL	9,800.00	1	9,800.00	
Each Pkt.	Yellow, Blue & White Tips for Single Channel Pipette				
Each	Brand: PTL or equal				
Each	<b>8-channel Adjustable Volume Pipettes</b>	74,000.00	1	74,000.00	
<b>Technical Specifications</b>					
Dispensing head rotates ensure optimum pipetting convenience					
Individual piston/tip cone assemblies allow easy repair and maintenance					
Compound material tip cone design allows visual seal verification					
Universal pipette tips can be used					
Volume: 5-50µl					
Brand: Biobase (China)					
Each	<b>Heating mantle</b>	24,800.00	1	24,800.00	
<b>Technical Specifications</b>					
Surface Max. Temp. 450°C					
Temperature control range: RT+20~250°C					
Heating element: Nichrome wire					
Heat power (kW): 0.35					
Working Mode: Continuous					
Voltage(V): 100~120V or 200~240V					
Capacity: 1000 ML					
Brand: China					
<b>Glassware's</b>					
25 ml	Glass Beaker	Pyrex	188.00	1	188.00
50 ml	Glass Beaker	Pyrex	222.00	1	222.00
100 ml	Glass Beaker	Pyrex	284.00	1	284.00
250 ml	Glass Beaker	Pyrex	388.00	1	388.00
500 ml	Glass Beaker	Pyrex	578.00	1	578.00
10 ml	Measuring Cylinder	Pyrex	579.00	1	579.00
25 ml	Measuring Cylinder	Pyrex	598.00	1	598.00
50 ml	Measuring Cylinder	Pyrex	684.00	1	684.00
01 ml	Glass Pipettes	Germany	728.00	1	728.00
02 ml	Glass Pipettes	Germany	728.00	1	838.00
05 ml	Glass Pipettes	Germany	838.00	1	838.00
10 ml	Glass Pipettes	Germany	838.00	1	1,044.00
50 ml	Glass Pipettes	Germany	1,044.00	1	

**SCI-TECH**  
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Page # 08 of 08 ICS

266

## FINANCIAL OFFER

Equipments required for the Insitute of Chemical Sciences (ICS), University of Swat.

Packing Size	Description	Brand	Unit Price with GST	Qty.	Total Price with GST
60 ml	Reagent Bottles	China	324.00	1	324.00
125 ml	Reagent Bottles	China	368.00	1	368.00
250 ml	Reagent Bottles	China	578.00	1	578.00
500 ml	Reagent Bottles	China	798.00	1	798.00
10 ml	Round bottom flask	Germany	1,228.00	1	1,228.00
25 ml	Round bottom flask	Germany	1,344.00	1	1,344.00
250 ml	Round bottom, two neck flask (29/32)	Germany	3,468.00	1	3,468.00
10 ml	Volumetric Flask	Pyrex	578.00	1	578.00
50 ml	Volumetric Flask	Pyrex	868.00	1	868.00
100 ml	Volumetric Flask	Pyrex	984.00	1	984.00
25 ml	Conical flask	Pyrex	648.00	1	648.00
100 ml	Conical flask	Pyrex	678.00	1	678.00
Each	Laboratory thermometer, 110C	China	434.00	1	434.00
Each	Digital Temperature: 300C	China	1,640.00	1	1,640.00
Each	Microscope Slides	China	1,348.00	1	1,348.00
Each	Glass Petri Dishes	Imported	584.00	1	584.00
25 ml	Teflon Beaker	China	9,840.00	1	9,840.00
180 mm	Vacuum Glass Desiccators	China	5,780.00	1	5,780.00
Each	Test Tube Rack	Local	798.00	1	798.00
Each	Tweezers/ forceps set	Local	468.00	1	468.00
Each	Liebig Condenser with Plastic, 250MM, 24/29.	Germany	3,680.00	1	3,680.00
30 ml	Crucible; medium size	China	484.00	1	484.00
Each	Watch glass; medium	China	568.00	1	568.00
Each	Stirring rods	Local	84.00	1	84.00

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Page 8 of 10

Deals In: Laboratory & Research Grade Chemicals, Reagents, Pesticides, Standards, Glass wares, Plastic wares, Chromatography Accessories, UPSs & General Laboratory Equipments.



Page # 01 of 01 Botany

265

## FINANCIAL OFFER

Chemicals required for the Centre for plant Sciences and Bio Diversity, University of Swat.

Packing Size	Description	Brand	Unit Price with GST	Qty.	Total Price with GST
25 Grams	Silver nitrate (AgNO <sub>3</sub> )	Sigma-Aldrich	11,200.00	1	11,200.00
2.5 liters	Methanol	Sigma-Aldrich	2,950.00	1	2,950.00
2.5 liters	Ethanol	Sigma-Aldrich	3,850.00	1	3,850.00
M813436-25g	Morolinoethanesulfonic acid,99%	Macklin	22,400.00	1	22,400.00
Pack of 1000	2-20 micro I tips	China	1,180.00	5	5,900.00
Pack of 1000	200 micro I tips	China	1,180.00	2	2,360.00
Pack of 1000	1000 micro I tips	China	1,180.00	2	2,360.00
Pack of 1000	PCR tubes	China	6,800.00	5	34,000.00
Each Vial	TAQ polimerase	China	11,800.00	5	59,000.00
Each b	Primers	China	148.00	180	26,640.00
2.5 liters	Glacial Acetic Acid	Sigma-Aldrich	4,800.00	1	4,800.00
2.5 liters	Dimethyle Sulphoxide (DMSO)	Sigma-Aldrich	15,800.00	1	15,800.00
100 Grams	Zinc Nitrate	Sigma-Aldrich	4,400.00	1	4,400.00
1811935-500g	Anhydrous ferric chloride,AR,99%	Macklin	19,800.00	1	19,800.00
25 Grams	Cobalt Chloride	Sigma-Aldrich	3,400.00	1	3,400.00

Above quoted products are subject to Air Dispatched, Stock Availability and product continuation from our principals & **No Export Restriction from country of origin and Export control**

any items misquoted or made redundant before the time of order we reserve the right to change or amend your quotation. In case of discontinuation of a product, Scitech Services Provider has the right to replace it with a better & updated suitable replacement, respecting required specifications, in consultation with the buyer.

**NOTE: If order is placed for above products, any COMPLAINEE/SEA DISPATCHED Products will be automatically deleted from your order, for which we will keep you update.**

Prices are net to The University of Swat, Swat:

TERMS:  
PAYMENT:  
VALIDITY:  
DELIVERY:

Above items are quoted with GST (which is clearly mention above) at the time of delivery/Installation.(In case of part delivery, partial payment should be allowed for supplied products) 90 days from the issue of this quotation. Some items are in ex-stock and some need 8-12 weeks, after order confirmation.

**SCI-TECH**  
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Administration Block ,Charbagh Swat  
Ph: (0946)920815  
www.uswat.edu.pk  
storeofficer@uswat.edu.pk

Store/Procurement Section  
OFFICE OF THE TREASURER  
University of Swat

289

No. 777/UOS/TR-S

Dated: March 13, 2024

To,

- |                                    |               |
|------------------------------------|---------------|
| 1. Prof.Dr.Fazal Mabood, Dean FMSS | Convener      |
| 2. Registrar or his nominee        | Member        |
| 3. Mr.Adnan Khan, Lecturer CESS    | Member        |
| 4. Director CPS&B                  | Co-Opt Member |
| 5. Director, ICS                   | Co-Opt Member |
| 6. Director IT                     | Co-Opt Member |
| 7. Treasurer                       | Mem/Secretary |

Subject: Goods Procurement Committee Meeting for Opening Financial Bids

Dear Committee Members,

I am directed to inform you that the Goods Procurement Committee Meeting for the opening of financial bids for the supply & installation of Lab equipment & supply of chemicals for Institute of Chemical Sciences and Centre for Plant Sciences and Biodiversity will be held on [March 14, 2024] at [11:30 A.M] in [Committee Room at Administration Block]. Your presence and participation in this meeting are crucial to ensure a fair and transparent evaluation of the bids received.

Additionally, the meeting's agenda will include an assessment of the server item bids that have already been opened.

If you have any questions or require further information, please do not hesitate to contact me. Thank you in advance for your cooperation and dedication to this important procurement process.

Store Officer  
13/3/2024

Copy for Information to:

1. PS to Vice Chancellor
2. Treasurer
3. Deputy Treasurer
4. Office Copy



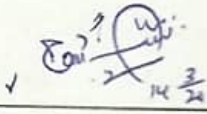
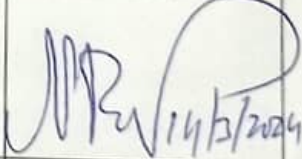
Sd.  
Store Officer



Time: 11:30 AM

Sr. No	Name	Designation	Signature
01	SciTECH Services Peshawar صابہ مہتمم	S.P.O.	
02	Muzaji Adani & Son	B.M	0200-0202362 
03	1880n Enterprises Aliif Ali	Sales Offices	
04	Alam & Co Atorom Alam	G.M	
05	Galaxy International Lahore	Sals office	
06			
07			
08			
09			
10			

Time: 11:30 AM

Sr.No	Name	Designation	Signature
1	Prof. Dr. Fazal Mahbood, Dean FMSS	Convener GPC	
2	Registrar or his nominee	Member GPC	
3	Mr. Adnan Khan, Lecturer (CESS)	Member GPC	
4	Treasurer	Member/Secretary GPC	
5	Director IT	Co-Opt Member	
6	Director ICS	Co-Opt Member	
7	Director CPS&B	Co-Opt Member	





Administration Block ,Charbagh  
Swat  
Ph: (0946)920815  
www.uswat.edu.pk  
storeofficer@uswat.edu.pk

OFFICE OF THE TREASURER  
University of Swat

292

No. 789/UOS/TR-S

Dated: March 19, 2024

To,

Dean of Chemical Sciences  
University of Swat.

Subject: Preparation of Comparative Statement and Evaluation report(s)

I am directed to request your assistance in preparing a comparative statement and evaluation reports from the bids we have received for the ICS. It is crucial for us to have a clear understanding of the different proposals in order to make an informed decision.

You are therefore requested to find herewith copies of the financial bids for this purpose.

Thank you for your attention to this matter. I look forward to receiving the comparative statement and evaluation report at your earliest convenience.

Enclosure(s): copies of financial offer of 7 bidders  
Copy for Information to:

1. PS to Vice Chancellor
2. Treasurer
3. Deputy Treasurer
4. Office Copy

Store Officer

Store Officer



Administration Block ,Charbagh  
Swat  
Ph: (0946)920815  
www.uswat.edu.pk  
storeofficer@uswat.edu.pk

293  
OFFICE OF THE TREASURER  
University of Swat

No. 788/UOS/TR-S

Dated: March 19, 2024

To,

**Director CPS&B  
University of Swat.**

**Subject: Preparation of Comparative Statement and Evaluation report(s)**

I am directed to request your assistance in preparing a comparative statement and evaluation reports from the bids we have received for the CPS&B. It is crucial for us to have a clear understanding of the different proposals in order to make an informed decision.

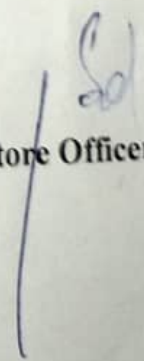
You are therefore requested to find herewith copies of the financial bids for this purpose.

Thank you for your attention to this matter. I look forward to receiving the comparative statement and evaluation report at your earliest convenience.

  
Store Officer

**Enclosure(s): copies of financial offer of 6 bidders  
Copy for Information to:**

1. PS to Vice Chancellor
2. Treasurer
3. Deputy Treasurer
4. Office Copy

  
Store Officer




Comparative Statement for Chemical purchasing

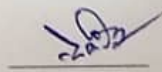
294

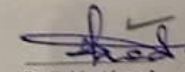
S.No	Item / Chemical	Qty	Suppliers						Lowest quoted amount	Recommended Vendor based on lowest quoted prices
			M/S Scitech Services Provider	M/S Musaji Adam & Sons	M/S Iqbal & Sons Enterprises	M/S Alam And Company	M/S New Rahmat Traders	M/S Galaxy International		
1	Silver Nitrate (AgNO <sub>3</sub> )	25 gm	11200	18880	6844	9200	6800	6490	6490	M/S Galaxy International
2	Methanol	12X? 5 l tr	2950 X 12 = 35400	N/Q	1888 X 12 = 22656	2800 X 12 = 33600	2950 X 12 = 35400	3540 x 12 = 42480	22656	M/S Iqbal & Sons Enterprises
3	Ethanol	7 x 2.5 L	3850 x 7 = 26950	N/Q	3086 x 7 = 21602	4800 x 7 = 33600	19850 x 7 = 138950	4130 x 7 = 28910	21602	M/S Iqbal & Sons Enterprises
4	MES 99%	4 x 25 gm	22400 x 4 = 89600	N/Q	4720 x 4 = 18880	11500 x 4 = 46000	10250 x 4 = 41000	4130 x 4 = 16520	16520	M/S Galaxy International
5	200 µL tips	1000 x 15	1180 x 15 = 17700	1416 x 15 = 21240	1121 x 15 = 16815	1,500 x 15 = 22,500	1,150 x 15 = 17250	7500 x 3 = 22500	16815	M/S Iqbal & Sons Enterprises
6	200 µL tips	1000 x 12	1180 x 12 = 14160	3200 x 12 = 38400	519.2 x 12 = 6230	1,200 x 12 = 14,400	750 x 12 = 9000	1475 x 12 = 17700	6230	M/S Iqbal & Sons Enterprises
7	1000 µL tips	1000 x 14	1180 x 14 = 16520	5600 x 14 = 78400	625.4 x 14 = 8756	850 x 14 = 11900	765 x 14 = 10710	3540 x 14 = 49560	8756	M/S Iqbal & Sons Enterprises
8	PCR tubes	1000 x 15	6800 x 15 = 102000	9000 x 15 = 135000	4720 x 15 = 70800	3,200 x 15 = 48,000	7,850 x 15 = 117750	13000 x 15 = 195000	48000 ✓	M/S Alam and Company
9	DNA polymerase	2x 5 vials	11800 x 10 = 118000	N/Q	6500 x 10 = 65000	13,500 x 10 = 135000	9,500 x 10 = 95000	9,500 x 10 = 95000	65000	M/S Iqbal & Sons Enterprises
10	Primers	5 x 180 bases	148 x 900 = 133200	N/Q	104 x 900 = 93600	124 x 900 = 111600	180 x 900 = 162000	N/Q	93600	M/S Iqbal & Sons Enterprises
11	Sanger Sequencing	2500 x 62	N/Q	N/Q	2200 x 62 = 136,400	7,500 x 62 = 465,000	4,250 x 62 = 263,500	N/Q	136400	M/S Iqbal & Sons Enterprises
12	Glacial Acetic Acid	2.5 x 2 L	4800 x 2 = 9600	6500 x 2 = 13000	3764.2 x 2 = 7528	4500 x 2 = 9000	6250 x 2 = 12500	4130 x 2 = 8260	7528	M/S Iqbal & Sons Enterprises
13	Dimethyl Sulphoxide (DMSO)	2.5 x 2 L	15800 x 2 = 31600	22000 x 2 = 44000	16520 x 2 = 33040	21000 x 2 = 42000	21500 x 2 = 43000	18880 x 2 = 37760	31600	M/S Scitech Services Provider
14	Zinc Nitrate	25gm	4400	5900 per (500 gm)	5298.2	4500	5950	4130 per 100 gm	4130	M/S Galaxy International
15	Palladium Chlorid	25gm	N/Q	N/Q	117292 x 25 = 2,932,300	41,000 x 25 = 1,025,000	135000 x 25 = 3,375,000	590000	NA	Not recommended due to high quoted price
16	Iron Chloride	2 x 25gm	N/Q	10030 per (500 gm)	1652 x 2 = 3304	4500 (500 gm)	4750 x 2 = 9500	N/Q	3304	M/S Iqbal & Sons Enterprises
17	Cobalt Chloride	4 x 25gm	3400 x 4 = 13600	22000 per (500 gm)	5239.2 x 4 = 20957	8500 per 100 g	5980 x 4 = 23920	6490 x 4 = 25960	8500 ✓	M/S Alam and Company
								497131		

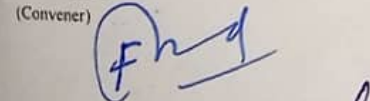
After thoroughly examining the comparative statement, it was found that the lowest quoted price for Palladium chloride (Item No. 15) is Rs. 590,000 which exceed the total estimated budget for the Center for purchasing chemicals. The Departmental Purchase Committee, therefore, unanimously recommended not to purchase this chemical (Item No 15), and alternatively, recommended to increase the quantity of the remaining chemicals as per need basis. Submitted for further necessary processes

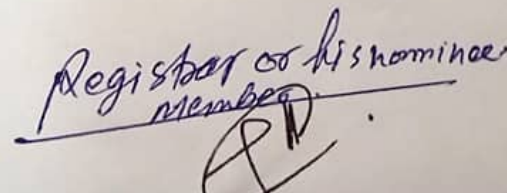
  
Dr. Hamid Ali  
(Convener)

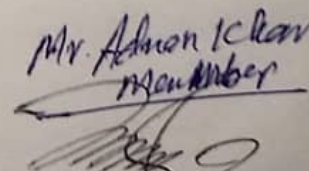
  
Dr. Ahmad ali  
(Member)

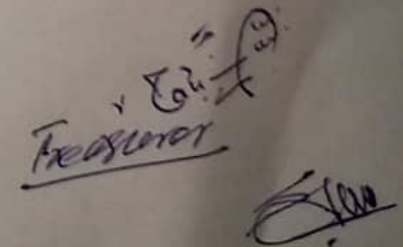
  
Dr. Zahid Ullah  
(Member)

  
Dr. Zakia Ahmad  
(Member)

  
Prof. Dr. Fazal Mebood  
Convener

  
Registrar or his nominee  
member

  
Mr. Adnan Iqbal  
member

  
Treasurer

b. Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.381,892/- to M/S Iqbal & Sons for the Centre for Plant Sciences and Bio Diversity

S.No.	Item / Chemical	Qty	Quoted Price	Lowest quoted amount
2	Methanol	12X2.5 Ltr	1888 X 12 = 22656	22656
3	Ethanol	7 x 2.5 L	3086 x 7 = 21602	21602
6	200 µL tips	1000 x 12	519.2 x 12 = 6230	6230
7	1000 µL tips	1000 x 14	625.4 x 14 = 8756.6	8756.6
5	20 µL tips	1000 x 15	7500 x 3 = 22500	16815
10	Primers	5 x 180 bases	124 x 900 = 111600	93600
9	TAQ polymerase	2x 5 vials	6500 x 10 = 65000	65000
11	Sanger Sequencing	2500 x 62	2200 x 62 = 136,400	136400
12	Glacial Acetic Acid	2.5 x 2 L	3764.2 x 2 = 7528.4	7528.4
16	Iron Chloride	2 x 25gm	1652 x 2 = 3304	3304
Total: Three hundred eighty one thousands eight hundred and ninety two only				Rs.381892/-

c. Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.27,140/-to M/S Galaxy International for the Centre for Plant Sciences and Bio Diversity under PC1.

S.No.	Item / Chemical	Qty	Quoted Price	Lowest quoted amount
1	Silver Nitrate (AgNO3)	25 gm	6490	6490
4	MES 99%	4 x25 gm	4130 x 4 = 16520	16520
14	Zinc Nitrate	25gm	4130 per 100 gm	4130
Total: Rupees Twenty Seven thousands one hundred and fourty only				Rs.27,140/-

d. Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.31,600/- to M/S Scitech Services Provider for the Centre for Plant Sciences and Bio Diversity under PC1.

S.No.	Item / Chemical	Qty	M/S Scitech Services Provider	Lowest quoted amount
13	Dimethyle Sulphoxide (DMSO)	2.5 x 2 L	15800 x 2 =31600	31600
Total: Rupees thirty one thousands, six hundreds only				Rs.31,600/-

**Members Goods Procurement Committee:**

Prof.Dr.Fazal Mabood, Convener GPC \_\_\_\_\_

Registrar Or his Nominee, Member \_\_\_\_\_

Mr.Adnan Khan, Lecturer CESS, Member \_\_\_\_\_

Director CPS&B \_\_\_\_\_

Co-Opt Member \_\_\_\_\_

Treasurer, Secretary \_\_\_\_\_





Main Campus, Charbagh Swat  
Ph: (0946)920815  
www.uswat.edu.pk  
storeofficer@uswat.edu.pk

Store/Procurement Section  
**OFFICE OF THE TREASURER**  
University of Swat

296

### Minutes of meeting

Venue: University of Swat (Committee Room), Administration Block.  
Date and Time: March 14, 2024, 11:30 a.m.

#### Agenda:

Bids Opening Under single Stage One Envelope Procedure for Supply of Chemicals to Centre for Plant Sciences and Bio Diversity at University of Swat Under PC1.

1. Envelopes from the following firms were received along with representatives therein later on who took part in the meeting.

Sr.No	Bidder Name	Attendance
01	M/S SciTech Services Provider	Present
02	M/S Irfan Enterprises	Present
03	M/S Galaxy International	Present
04	M/S New Rahmat Traders	Absent
05	M/S Alam & Company	Present
06	M/S Iqbal & Sons Enterprises	Absent
07	M/S Musaji Adam and Sons	Present

2. The meeting commenced at 11:30 a.m at University of Swat (Committee Room), Administration Block.
3. Convener GPC opened the meeting & welcomed all the present bidders and informed the bidders that the project is part of the University of Swat, and that includes Supply of Chemicals to Centre for Plant Sciences and Bio Diversity at University of Swat Under PC1.
4. Secretary GPC summarized the composition of the Bid Documents, and highlighted important sections and bidders.
5. Financial bids of all the items were announced aloud and comparative statement was prepared by GPC with the following recommendations taken from comparative statement.
  - a. Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.56,500/- to M/S Alam & Company for the Centre for Plant Sciences and Bio Diversity under PC1.

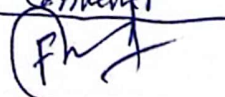
S.No.	Item / Chemical	Qty	Quoted Price	Lowest quoted amount
8	PCR tubes	1000 x 15	3,200 x 15 = 48,000	48000
17	Cobalt Chloride	4 x 25gm	8500 per 100 g	8500
Total : Rupees fifty six thousands and five hundreds only				Rs.56,500/-


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# Comparative Statment for Lab Equipment of ICS from PC1, 2024


297

S.No.	Instruments	Specifications	Qty.	Scitech Srevices Providers	Rahmat Treader	Iqbal and Sons Enterprises	Irfan Enterprises	Galaxy international	Remarks
5	Glass Distillation Apparatus	As per tender documents	1	Responsive	Non Responsive	responsive	Non Responsive	Non Responsive	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 148500/-. Rate reasonability certificate is attached at an annexure A
				Rs.148500/-	Non-responsive due to the not availability of the specification and model number	Rs.235292/-	Non-responsive due to the not availability of the specification and model number	Non-responsive due to the not availability of the specification and model number	
6	Digital Orbital Shaker	As per tender documents	1	Responsive	Responsive	Non Responsive	Non Responsive	Non Responsive	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 118500/-. Rate reasonability certificate is attached at an annexure A
				Rs.118500/-	Rs.187000/-	Non-responsive due to the not availability of the specification and model number	Non-responsive due to the not availability of the specification and model number	Non-responsive due to the not availability of the specification and model number	
7	High-precision Densimeter	As per tender documents	1	Responsive	Not Quoted	Non Responsive	Not Quoted	Not Quoted	Scitech Services Providers being the single-quoted bidder as recommended for a supply order of rupees 314000/-. Rate reasonability certificate is attached at an annexure A
				Rs.314000/-		Non-responsive due to the not availability of the specification and model number			
8	Single channel Adjustable Volume Pipettes	As per Tender Documents	6	Responsive	Responsive	Responsive	Not Quoted	Responsive	M/S New Rahmat Traders being the lowest in each is recommended for supply order of Rs.Rs.6850/- x 6= Rs.41100/-
				Rs.9800/- each	Rs.6850/-each	Rs.17995/-, Rs.17440/-, Rs.17511/-		Rs.9676/-, Rs.7906/- and Rs.9440/-	
9	8-channel Adjustable Volume Pipettes	As per Tender Documents	1	Responsive	Responsive	Responsive	Not Quoted	Not Quoted	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 74000/-. Rate reasonability certificate is attached at an annexure A
				Rs.74000/-	Rs.88800/-	Rs.99120/-			
10	Heating mantle	As per Tender Documents	1	Responsive	Non Responsive	Non Responsive	Not Quoted	Responsive	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 24800/-. Rate reasonability certificate is attached at an annexure A
				Rs.24800/-	Non-responsive due to the not availability of the specification and model number	Non-responsive due to the not availability of the specification and model number		Rs.25370/-	

Prof. Dr. Farid Mebood  
 Chairman  


Registrar or his nominee  


Mr. Adnan Khan  


Treasurer  
 2  
 19/4/24



Comparative Statement for Lab Equipment of ICS from PCI, 2024

298

S.No.	Instruments	Specifications	Qty.	Scitech Services Providers	Rahmat Treadar	Iqbal and Sons Enterprises	Irfan Enterprises	Galaxy international	Remarks
1	Ultrasonic bath	As per tender documents	1	responsive Price : 68800 PKR	Non-responsive due to the low time range that our required time range is 0-99 minutes while the offered is 0-99 minutes	Non-responsive due to the low time range that our required time range is 0-99 minutes while the offered is 0-30 minutes	Non-responsive due to the low time range that our required time range is 0-99 minutes while the offered is 0-30 minutes	Non-responsive due to the low time range that our required time range is 0-99 minutes while the offered is 0-30 minutes	Scitech Services Providers being the single-quoted bidder as recommended for a supply order of rupees 68800/- Rate reasonability certificate is attached at an annexure A
2	pH meter (Benchtop)	As per tender documents	1	responsive Rs.54000/-	Non-responsive due to the high temperature compensation range that our required temperature range is 0-100°C while the offered is 0-120°C	Non-responsive due to the not availability of specification and model number	Non-responsive due to the not availability of specification and model number	responsive Rs.51920/-	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 54000 PKR
3	Conductivity meter ( Benchtop)	As per tender documents	1	responsive Rs.84000/-	responsive Rs.169000/-	Non-responsive due to the low EC range that our required EC range is 0 µs/cm to 500 0 mS/cm while the offered is 0 µs/cm to 200 0 mS/cm	Non-responsive due to the not availability of specification and model number	Non-responsive due to the low EC range that our required EC range is 0 µs/cm to 500 0 mS/cm while the offered is 0 µs/cm to 200 0 mS/cm	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 84000/- Rate reasonability certificate is attached at an annexure A
4	Digital Thermostatic Water Bath	As per tender documents	1	responsive Rs.108000/-	responsive Rs.149000/-	Non-responsive due to the not availability of specification of Heating power and working room size while the offered for Heating power is 1800W and for Working room size is 1.62 W*3.1112m	Non-responsive due to the not availability of the specification and model number	Non-responsive due to the not availability of the specification and model number	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 108000/- Rate reasonability certificate is attached at an annexure A

Prof. Dr. Farid Mehabad  
 Registrar  
 Mr. Arslan Khan  
 Treasurer  
 Director ICS  
 24/11/24

Being the lowest at Sr. No:8, as per the comparative statement, GPC recommends awarding the supply order of Rs.41100/- to M/S New Rahmat Traders for the Institute of Chemical Sciences under PC1.

S.No.	Instruments	Specifications	Qty.	Remarks	Price Offered in PKR	Remarks 2
8	Single channel Adjustable Volume Pipettes	As per tender documents	3+3	M/S New Rahmat Traders being the lowest in each is recommended for supply order of Rs.Rs.6850/- x 6 = Rs.41100/-	41100	
<b>Total: Rupces fourty one thousands and one hundred only</b>					<b>41100</b>	

Prof. Dr. Fazal Mabood  
Convener GPC

Registrar or his Nominee  
Member

Mr. Adnan Khan  
Member

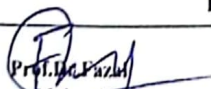
Director ICS  
Co-Opt Member

  
Treasurer secretary  
19/4/24




Being the lowest at Sr. No:2,3,4,5,6,9,10 & Being Single Quoted and reasonable as per Market Survey at Sr.No:1, 7 as per the comparative statement, GPC recommends awarding the supply order of Rs.994600/- to M/S Scitech Services Provider for the Institute of Chemical Sciences under PC1.

S No.	Instruments	Specifications	Qty.	Remarks	Price Offered in PKR	Remarks 2
1	Ultrasonic bath	As per tender documents	1	Scitech Services Providers being the single-quoted bidder as recommended for a supply order of rupees 68800/-. Rate reasonability certificate is attached at an annexure A	68800	Single Quoted
2	pH meter (Benchtop)	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 54000 PKR	54000	
3	Conductivity meter ( Benchtop)	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 84000/-.	84000	
4	Digital Thermostatic Water Bath	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 108000/-.	108000	
5	Glass Distillation Apparatus	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 148500/-.	148500	
6	Digital Orbital Shaker	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 118500/-.	118500	
7	High-precision Densimeter	As per tender documents	1	Scitech Services Providers being the single-quoted bidder as recommended for a supply order of rupees 314000/-.	314000	Single Quoted
9	8-channel Adjustable Volume Pipettes	As per Tender Documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 74000/-.	74000	
10	Heating mantle	As per Tender Documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 24800/-.	24800	
<b>Total: Rupees nine hundreds and ninety four thousands and six hundreds only</b>					<b>994600</b>	

  
Prof. Dr. Fazal Mahood  
Convener GPC

  
Director ICS  
Co-Opt Member

  
Registrar Or his Nominee  
Member

  
Treasurer  
secretary

Mr. Adnan Khan  
Member





# Comparative Statements for Glassware of ICS

99a

Sr	Item Name	Volume	New Rahmat Traders	Alam and company	Iqbal and sons enterprises	Scitech Services Provider	Lowest Bid	QTY Required in Numbers	Total in Rupees	Supplier name
23	Volumetric flask	100 mL	765	1250	661	984	661	50	33040	Iqbal and sons enterprises
24	Conical flask	25 mL	695	700	578	648	578	50	28910	Iqbal and sons enterprises
25	Conical flask	100 mL	725	800	620	678	620	50	30975	Iqbal and sons enterprises
26	lab thermometer	100 oC	549	600	297	434	297	5	1487	Iqbal and sons enterprises
27	digital temperature	300 oC	1800	1900	1404	1640	1404	5	7021	Iqbal and sons enterprises
28	Microscope slides	each	490	4750	496	1348	490	5	2450	New Rahmat Traders
29	Glass petry dish	each	490	780/90mL	463	584	463	50	23128	Iqbal and sons enterprises
30	Teflon beakers	25ml	N/Q	N/Q	N/Q	9840	9840	10	98400	Scitech Services Provider
31	vacuum glass desiccators	180 mL	13500	19800	12390	5780	5780	2	11560	Scitech Services Provider
32	test tube rake	each	635	1350	413	798	413	50	20650	Iqbal and sons enterprises
33	tweezers/forceps	each	1650	1450	1074	468	468	50	23400	Scitech Services Provider
34	liebig condenser with plastic,	250 MM, 24.25	3850	4800	2478	3680	2478	7	17346	Iqbal and sons enterprises
35	Crucible:	medium size	625/30mL	1380/30mL	413/30mL	484.0	484	50	24200	Scitech Services Provider
36	watch glass	medium size	125	190	74	568	74	50	3717	Iqbal and sons enterprises
37	stirring rods	each	110	350	83	84	83	100	8260	Iqbal and sons enterprises

Prof. Dr. Faraz Mahmood

*(Signature)*

Registrar or his nominee

*(Signature)*

Mr. Adnan Khan

*(Signature)*

Director ICS

*(Signature)*

Treasurer

*(Signature)*

*(Signature)*



# Comparative Statement for Glasswares of ICS

300

	Item Name	Volume	New Rahmat Traders	Alam and company	Iqbal and sons enterprises	Scitech Services Provider	Lowest Bid	QTY Required in Numbers	Total in Rupees	Supplier name
1	Glass beaker	25 mL	225	380	214.76	188	188	10	1880	Scitech Services Provider
2	Glass beaker	50 mL	230	385	214.76	222	215	50	10738	Iqbal and sons enterprises
3	Glass beaker	100 mL	285	390	247.8	284	248	50	12390	Iqbal and sons enterprises
4	Glass beaker	250 mL	385	570	330	388	330	50	16520	Iqbal and sons enterprises
5	Glass beaker	500 mL	625	780	578.2	578	578	20	11560	Scitech Services Provider
6	measuring cylinder	10 mL	398	490	363.44	579	363	50	18172	Iqbal and sons enterprises
7	measuring cylinder	25 mL	515	590	462.56	598	463	50	23128	Iqbal and sons enterprises
8	measuring cylinder	50 mL	625	730	578	684	578	50	28910	Iqbal and sons enterprises
9	Glass pipets	1 mL	525	450	463	728	450	25	11250	Alam and company
10	Glass pipets	2 mL	525	450	463	728	450	25	11250	Alam and company
11	Glass pipets	5 mL	545	450	463	838	450	25	11250	Alam and company
12	Glass pipets	10 mL	625	450	463	838	450	25	11250	Alam and company
13	Glass pipets	50 mL	1750	1550	1404	1044	1044	10	10440	Scitech Services Provider
14	reagent bottles	60 mL	415	500	330	324	324	10	3240	Scitech Services Provider
15	reagent bottles	125 mL	515	650	413	368	368	10	3680	Scitech Services Provider
16	reagent bottles	250 mL	645	880	578	578	578	10	5780	Scitech Services Provider
17	reagent bottles	500 mL	690	950	661	798	661	10	6608	Iqbal and sons enterprises
18	Round bottom flask	10 mL	490	520	413	1228	413	10	4130	Iqbal and sons enterprises
19	Round bottom flask	25 mL	495	650	413	1344	413	10	4130	Iqbal and sons enterprises
20	Round bottom two neck flask	250 mL	2150	4950	1652	3468	1652	10	16520	Iqbal and sons enterprises
21	Volumetric flask	10 mL	625	750	578	578	578	20	11560	Scitech Services Provider
22	Volumetric flask	50 mL	595	1100	496	868	496	50	24780	Iqbal and sons enterprises

M. D. Farid mabood  
FR

Registrar or his  
Nominee

M. Adnan Khan  
Member

Director ICS  
In-charge member

Treasurer

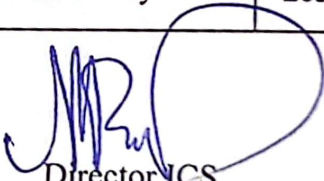
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302(A)

Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.205700/- to M/S Scitech Services Provider Enterprises for the Institute of Chemical Sciences

SR#	Item Name	Volume	Alam and company	QTY Required in Numbers	Total in Rupees
1	Glass beaker	25 mL	188	10	1880
5	Glass beaker	500 mL	578	20	11560
13	Glass pipets	50 mL	1044	10	10440
14	reagent bottles	60 mL	324	10	3240
15	reagent bottles	125 mL	368	10	3680
16	reagent bottles	250 mL	578	10	5780
21	Volumetric flask	10 mL	578	20	11560
30	Teflon beakers	25ml	9840	10	98400
31	vacuum glass desicators	180 mL	5780	2	11560
33	tweezers/forceps	each	468	50	23400
35	Crucible:	medium size	484	50	24200
Total: Rupees Two hundred and five thousands and seven hundreds only					205700

  
Store Officer

  
Director ICS

  
Dr. Rahim Shah



300(B)

Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.340560/- to M/S Iqbal and Sons Enterprises for the Institute of Chemical Sciences

SR#	Item Name	Volume	Alam and company	QTY Required in Numbers	Total in Rupees
2	Glass beaker	50 mL	214.76	50	10738
3	Glass beaker	100 mL	247.8	50	12390
4	Glass beaker	250 mL	330.4	50	16520
6	measuring cylinder	10 mL	363.44	50	18172
7	measuring cylinder	25 mL	462.56	50	23128
8	measuring cylinder	50 mL	578.2	50	28910
17	reagent bottles	500 mL	660.8	10	6608
18	Round bottom flask	10 mL	413	10	4130
19	Round bottom flask	25 mL	413	10	4130
20	Round bottom two neck flask	250 mL	1652	10	16520
22	Volumetric flask	50 mL	495.6	50	24780
23	Volumetric flask	100 mL	660.8	50	33040
24	Conical flask	25 mL	578.2	50	28910
25	Conical flask	100 mL	619.5	50	30975
26	lab thormameter	100 oC	297.36	5	1486.8
27	digital temperature	300 oC	1404.2	5	7021
29	Glass pettry dish	each	462.56	50	23128
32	test tube rake	each	413	50	20650
34	liebig condenser with plastic,	50 MM , 24.	2478	7	17346
36	watch glass	medium size	74.34	50	3717
37	stirring rods	each	82.6	100	8260
Total: Rupees three hundred and fourty thousands and five hundred and sixty only					340560

  
Store Officer

  
Director ICS


  
Dr. Rahim Shah

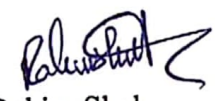
302(c)

Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.45000/- to M/S Alam & Co for the Institute of Chemical Sciences

SR #	Item Name	Volume	Alam and company	Lowest Bid	QTY Required in	Total in Rupees
9	Glass pipets	1 mL	450	450	25	11250
10	Glass pipets	2 mL	450	450	25	11250
11	Glass pipets	5 mL	450	450	25	11250
12	Glass pipets	10 mL	450	450	25	11250
Total: Rupees Fourty five Thousands only						45000

  
Store Officer

  
Director ICS

  
Dr. Rahim Shah

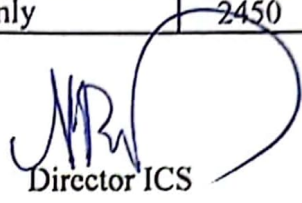


308(D)

Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.2450/- to M/S New Rahmat Traders for the Institute of Chemical Sciences

SR #	Item Name	Volume	Unit Price	QTY Required in	Total in Rupees
28	Microscope slids	each	490	5	2450
Total: Rupees Twenty four hundred and fifty only					2450

  
Store Officer


  
Director ICS

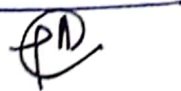
  
Dr. Rahim Shah


# Comparative Statement for chemicals of ICS.

301


Sr.No	Item Name	Volume	New Rahmat Traders	Galaxy International	Alam and company	Iqbal and sons enterprises	Musaji Adams and Sons	Scitech Services Provider	Irfan Enterprises	Lowest bid	Supplier name
54	Para bromo aniline	25g	7785	N.Q	27800	6372	12390	19800	N.Q	6372	Iqbal and sons enterprises
55	N hexane	5L	9570	9912	9000	7552	32450	11800	8820	7552	Iqbal and sons enterprises
56	DMSO	2.5L	21500	18880	22000	16520	25960	15800	26100	15800	Scitech Services Provider
57	Zinc Oxide (ZnO)	500g	3999	1950	4200	3304	16520	4900	11160	1950	Galaxy International
58	Titanium oxide (TiO2)	500g	4999	5664	4500	3304	4130	17800	11700	3304	Iqbal and sons enterprises
59	Ferrous chloride(FeCl2)	1kg	2945	4130	9500	2312.8	7670	5800	6300	2313	Iqbal and sons enterprises
60	Ferric Chloride (FeCl3)	500gram	3645/1kg	5900/1kg	4800/kg	2312.8	17700	19800/500g	7020/500g	2313	Iqbal and sons enterprises
61	Zinc Chloride (ZnCl2)	1kg	3465	4130	4800	2973.6	33040	5900	8100	2974	Iqbal and sons enterprises
62	HCl	5L	9998	5900	9200	9204	N.Q	5400	19800	5400	Scitech Services Provider
63	Zinc Sulphate (ZnSO4)	500g	2465	4950	4800	1652	4720	4400	9360	1652	Iqbal and sons enterprises
64	Gold Dichloride (AuCl2)	250mg	N.Q	44250/gm	52000/g	N.Q	N.Q	47500	N.Q	47500	Scitech Services Provider
65	Manganese chloride (MnCl2)	500g	3125	4130	2250	2478	4720	4800	8100	2250	Alam and company
66	Manganese sulphate (MnSO4)	1kg	3085	4130	N.Q	2478	8850	4900	11160	2478	Iqbal and sons enterprises
67	Manganese Oxide (MnO2)	500g	4225	5664	9500	3068	4130	6700	10440	3068	Iqbal and sons enterprises
68	Vanadium Oxide (V2O5)	100g	14775	11210	12500	9912	7552	18400	N.Q	7552	Musaji Adams and Sons

Prof. Dr. Faisal Mabood  


Registrar or his  
 Nominee  


Mr. Adnan Khan  
 Member  


Director ICS  
 Co-opt member  


Treasurer  







Comparative Statement for Chemicals of PCS.

903

Sr.No	Item Name	Volume	New Rahmat Traders	Galaxy International	Alam and company	Iqbal and sons enterprises	Musaji Adams and Sons	Setteeh Services Provider	Ifran Enterprises	Lowest Bid	Supplier name
22	Iron Oxide	100g	1025	826	900	660	826	1360	1620	660	Iqbal and sons enterprises
23	Polyethylene glycol (PEG)	1L	10850	10620	9000	8024	NQ	15600	18720	8024	Iqbal and sons enterprises
24	Polyvinyle Chloride (PVC)	1L	61250	53100	59000	46020	NQ	99000	NQ	46020	Iqbal and sons enterprises
25	1-nephtalamine	500g	34950	188800	110000	27140	23600	98500	NQ	23600	Musaji Adams and Sons
26	2,4 dinitroaniline	1Kg	99000	177000	240000	92040	283200	188000	NQ	92040	Iqbal and sons enterprises
27	Silica Gel	25kg	1875000	63424	412500	61360	191750	2406250	202500	61360	Iqbal and sons enterprises
28	1,3dianino propane	1Kg	162500	177000	245000	13216/100g	NQ	224000	NQ	162500	New Rahmat Traders
29	Benzene	1Kg	5875	6490	8000	4130	NQ	5760	10800	4130	Iqbal and sons enterprises
30	Ethanol	2.5L	4655	3776	4500	3304	NQ	3850	5400	3304	Iqbal and sons enterprises
31	Methanol	2.5L	2445	2773	2800	1888	NQ	2950	2970	1888	Iqbal and sons enterprises
32	Dichloromethane (DCM)	2.5L	5785	5664	4500	4602	8850	7800	13500	4500	Alam and company
33	Acetone	2.5L	8250	6490	8500	5428	NQ	6200	10800	5428	Iqbal and sons enterprises

Dr. Faal Mabeed  


Registrar or his  
 nominee  


Mr. Adnan Khan  
 member  


Director PCS  
 Copd member  


Treasurer  




# Comparative Statement For Chemicals of ICS

30/4

Sr.No	Item Name	Volume	New Rahmat Traders	Galaxy International	Alam and company	Iqbal and sons enterprises	Musaji Adams and Sons	Scitech Services Provider	Irfan Enterprises	Lowest bid	Supplier name
1	Sodium lauryl sulphate	500g	2650	4484	3800	1982.4	7080	3800	8100	1982	Iqbal and sons enterprises
2	Sodium dodecylsulphate	500	2650	4484	3800	1982.4	7080	3800	8100	1982	Iqbal and sons enterprises
3	1,3 dibromopropane	200g	15300	18408	11800	10856	NQ	13520	66600	10856	Iqbal and sons enterprises
4	1,5 dibromopentane	100g	7250	23600	9400	5664	NQ	7700	35100	5664	Iqbal and sons enterprises
5	Sodium Borohydride (NaBH4)	100g	41400	25960	36000	29736	25960	47200	46800	25960	Galaxy International
6	pyrol	200g	55300	66080	54000	46256	NQ	129600	63000	46256	Iqbal and sons enterprises
7	Amino black 10B AR	100g	11350	17110	29500	8850	75520	19400	NQ	8850	Iqbal and sons enterprises
8	Acid Blue V 100%	5g	10450	NQ	42000	8968	NQ	NQ	NQ	8968	Iqbal and sons enterprises
9	Benzidine	25g	6950	3540	11125	5782	NQ	NQ	NQ	3540	Galaxy International
10	Acid Orange II	25g	5365	18880	14500	4602	NQ	NQ	NQ	4602	Iqbal and sons enterprises
11	Acid Red G 100%	500g	235000	169920	460000	200600	NQ	NQ	NQ	169920	Galaxy International
12	Acid Brilliant Yellow G 100%	25g	21650/25g	7670/25g	120000/25g	18408/25g	NQ	19700	NQ	19700	Scitech Services Provider
13	Methylene Blue BB Conc 100%	200g	235000	259600	128000	198240	NQ	976000	11700	11700	Irfan Enterprises
15	Basic Brown G 130%	25g	7235	NQ	5875	5310	nq	18800	nq	5310	Iqbal and sons enterprises
16	Malachite Green Crystals 100%	25g	5987	4130	3800	4956	nq	7800	nq	3800	Alam and company
17	Chrysoidine 100%	25g	20780	28320	29500	15694	5900	38500	nq	5900	Musaji Adams and Sons
18	Rhodamine 6GDN 100%	5g	6250	11210	3900	4130	4720	23400	nq	3900	Alam and company
19	Methyl Violet 2B 100%	25g	6250	4130	21000/100g	4602	4720	7200	NQ	4130	Galaxy International
20	Auramine O Conc 100% / 120%	25g	7125	4130	7500	5428	NQ	22400	NQ	4130	Galaxy International
21	Silver nitrate (AgNO3)	100g	16800	37760	38000	13688	75520	44800	NQ	13688	Iqbal and sons enterprises

Prof. Dr. Fazal Mebrood  
FAM

Registrar or his nominee  
FAM

Mr Adnan Khan  
Member

Director ICS  
Raj Member

Treasurer  
EIL

Secretary  
Rahmatullah

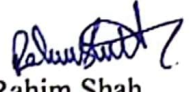


Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.110200/- to M/S Scitech Services Provider for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
12	Acid Brilliant Yellow G 100%	25g	19700
44	Meta bromo benzaldehyde	10ml	21800
56	DMSO	2.5L	15800
62	HCl	5L	5400
64	Gold Dichloride (AuCl <sub>2</sub> )	250mg	47500
Total: Rupees one hundred and ten thousands and two hundreds only			110200

Store Officer  


  
Director ICS

  
Dr. Rahim Shah

Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.37052/- to M/S Musaji Adam A& Sons for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
17	Chrysoidine 100%	25g	5900
25	l-nephthalamine	500g	23600
68	Vanadium Oxide (V2O5)	100g	7552
Total: Rupees thirty seven thousands and fifty two only			37052

Store Officer

Dr. Rahim Shah

Director ICS



Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.20025/- to M/S Irafn Enterprises for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
13	Methylene Blue BB Conc 100%	200g	11700
49	Acetonitrile (HPLC grade )	1L	8325
Total: Rupees twenty thousands and twenty five only			20025

Store Officer

Dr.Rahim Shah

Director ICS

Being the lowest , as per the comparative statement, GPC recommends awarding the supply order of Rs.437030- to M/S Iqbal and Sons Enterprises for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
45	2,4 di bromo aniline	5g	7906
46	2,4 6 tri bromo aniline	25g	5428
48	Para methyl aniline	1ml	5664
51	1,5 dibromo pentane	100mg	6608
52	2,4 dibromo benzaldehyde	1g	4484
54	Para bromo aniline	25g	6372
55	N hexane	5L	7552
58	Titinium oxide (TiO <sub>2</sub> )	500g	3304
59	Ferrous chloride(FeCl <sub>2</sub> )	1kg	2312.8
60	Ferric Chloride (FeCl <sub>3</sub> )	500gram	2312.8
61	Zinc Chloride (ZnCl <sub>2</sub> )	1kg	2973.6
63	Zinc Sulphate (ZnSO <sub>4</sub> )	500g	1652
66	Manganese sulphate (MnSO <sub>4</sub> )	1kg	2478
67	Manganese Oxide (MnO <sub>2</sub> )	500g	3068
Total:Rupees Four hundred thirty seven thousands and thirty only			437030

Store Office 

  
Director ICS

  
Dr. Rahim Shah



Being the lowest, as per the comparative statement, GPC recommends awarding the supply order of Rs.437030- to M/S Iqbal and Sons Enterprises for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
1	Sodium lauryl sulphate	500g	1982.4
2	Sodium dodecylsulphate	500	1982.4
3	1,3 dibromopropane	200g	10856
4	1,5 dibromopentane	100g	5664
6	pyrol	200g	46256
7	Amino black 10B AR	100g	8850
8	Acid Blue V 100%	5g	8968
10	Acid Orange II	25g	4602
15	Basic Brown G 130%	25g	5310
21	Silver nitrate (AgNO3)	100g	13688
22	Iron Oxide	100g	660
23	Polyethylene glycol (PEG)	1L	8024
24	Polyvinyle Chloride (PVC)	1L	46020
26	2,4 dinitroaniline	1Kg	92040
27	Silica Gel	25kg	61360
29	Benzene	1Kg	4130
30	Ethanol	2.5L	3304
31	Methanol	2.5L	1888
33	Acetone	2.5L	5428
34	Acetonitrile	2.5L	17582
35	Carbon black	250g	1888
36	Chloroform	2.5L	3776
37	Chromatographic column	5	2478
38	Cobalt Nitrate	100g	2124
39	Chromatographic column	5	2938.2
40	Chromatographic column	5	3233.2
41	Chromatographic column	5	3982.5
42	Potassium permaganate	250g	2596
43	THF	500ml	3304

*[Handwritten signatures]*

Being the lowest, as per the comparative statement, GPC recommends awarding the supply order of Rs.212580/- to M/S GalaxyInternational for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
5	Sodium Borohydride (NaBH4)	100g	25960
9	Benzidine	25g	3540
11	Acid Red G 100%	500g	169920
19	Methyl Violet 2B 100%	25g	4130
20	Auramine O Conc 100% / 120%	25g	4130
47	Aniline	1L	2950
57	Zinc Oxide (ZnO)	500g	1950
Total: Rupees two hundred and twelve thousands five hundred and eighty only			212580

Store Officer  


  
Director ICS

  
Dr. Rahim Shah



Being the lowest, as per the comparative statement, GPC recommends awarding the supply order of Rs.49950/- to M/S Alam & Company for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
16	Malachite Green Crystals 100%	25g	3800
18	Rhodamine 6GDN 100%	5g	3900
32	Dichloromethane (DCM)	2.5L	4500
50	N hexane (HPLC grade)	1L	9500
53	2,4,6 tribromo benzaldehyde	5g	26000
65	Manganese chloride (Mncl2)	500g	2250
Total: Rupees fourty nine thousands nine hundreds and fifty only			49950

Store Officer 

  
Director ICS

  
Dr. Rahim Shah

Being the lowest at Sr. No:28, as per the comparative statement, GPC recommends awarding the supply order of Rs.162500/- to M/S New Rahmat Traders for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
28	1,3diamino propane	1Kg	162500
Total: Rupees one hundred and sixty two thousands and five hundreds only			162500

Store Officer

Director ICS

Dr. Rahim Shah



5. Chemicals			
Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.20025/- to M/S Irafn Enterprises for the Institute of Chemical Sciences			
S. No	Chemical Name	QTY	Price
13	Methylene Blue BB Conc 100%	200g	11700
49	Acetonitrile (HPLC grade)	1L	8325
Total: Rupees twenty thousands and twenty five only			20025

6. Chemicals			
Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.37052/- to M/S Musaji Adam A& Sons for the Institute of Chemical Sciences			
S. No	Chemical Name	QTY	Price
17	Chrysoidine 100%	25g	5900
25	1-nephthalamine	500g	23600
68	Vanadium Oxide (V2O5)	100g	7552
Total: Rupees thirty seven thousands and fifty two only			37052

7. Chemicals			
Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.110200/- to M/S Scitech Services Provider for the Institute of Chemical Sciences			
S. No	Chemical Name	QTY	Price
12	Acid Brilliant Yellow G 100%	25g	19700
44	Meta bromo benzaldehyde	10ml	21800
56	DMSO	2.5L	15800
62	HCl	5L	5400
64	Gold Dichloride (AuCl <sub>2</sub> )	250mg	47500
Total: Rupees one hundred and ten thousands and two hundreds only			110200

**Members Goods Procurement Committee:**

Prof.Dr.Fazal Mabood, Convener GPC



Registrar Or his Nominee, Member



Mr.Adnan Khan, Lecturer CESS, Member

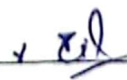


Director ICS



Co-Opt Member



Treasurer, Secretary




## 4. Chemicals

Being the lowest, as per the comparative statement, GPC recommends awarding the supply order of Rs.437030- to M/S Iqbal and Sons Enterprises for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
1	Sodium lauryl sulphate	500g	1982.4
2	Sodium dodecylsulphate	500	1982.4
3	1,3 dibromopropane	200g	10856
4	1,5 dibromopentane	100g	5664
6	pyrol	200g	46256
7	Amino black 10B AR	100g	8850
8	Acid Blue V 100%	5g	8968
10	Acid Orange II	25g	4602
15	Basic Brown G 130%	25g	5310
21	Silver nitrate (AgNO3)	100g	13688
22	Iron Oxide	100g	660
23	Polyethylene glycol (PEG)	1L	8024
24	Polyvinyle Chloride (PVC)	1L	46020
26	2,4 dinitroaniline	1Kg	92040
27	Silica Gel	25kg	61360
29	Benzene	1Kg	4130
30	Ethanol	2.5L	3304
31	Methanol	2.5L	1888
33	Acetone	2.5L	5428
34	Acetonitrile	2.5L	17582
35	Carbon black	250g	1888
36	Chloroform	2.5L	3776
37	Chromatographic column	5	2478
38	Cobalt Nitrate	100g	2124
39	Chromatographic column	5	2938.2
40	Chromatographic column	5	3233.2
41	Chromatographic column	5	3982.5
42	Potassium permanganate	250g	2596
43	THF	500ml	3304
45	2,4 di bromo aniline	5g	7906
46	2,4 6 tri bromo aniline	25g	5428
48	Para methyl aniline	1ml	5664
51	1,5 dibromo pentane	100mg	6608
52	2,4 dibromo benzaldehyde	1g	4484
54	Para bromo aniline	25g	6372
55	N hexane	5L	7552
58	Titanium oxide (TiO2)	500g	3304
59	Ferrous chloride(FeCl2)	1kg	2312.8
60	Ferric Chloride (FeCl3)	500gram	2312.8
61	Zinc Chloride (ZnCl2)	1kg	2973.6
63	Zinc Sulphate (ZnSO4)	500g	1652
66	Manganese sulphate (MnSO4)	1kg	2478
67	Manganese Oxide (MnO2)	500g	3068
Total:Rupees Four hundred thirty seven thousands and thirty only			437030

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## 4. Glassware

Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.205700/- to M/S Scitech Services Provider Enterprises for the Institute of Chemical Sciences

SR#	Item Name	Volume	Alam and company	QTY Required in Numbers	Total in Rupees
1	Glass beaker	25 mL	188	10	1880
5	Glass beaker	500 mL	578	20	11560
13	Glass pipets	50 mL	1044	10	10440
14	reagent bottles	60 mL	324	10	3240
15	reagent bottles	125 mL	368	10	3680
16	reagent bottles	250 mL	578	10	5780
21	Volumetric flask	10 mL	578	20	11560
30	Teflon beakers	25ml	9840	10	98400
31	vacuum glass desicators	180 mL	5780	2	11560
33	twczers/forceps	each	468	50	23400
35	Crucible:	medium size	484	50	24200
Total: Rupees Two hundred and five thousands and seven hundreds only					205700

## 1. Chemicals

Being the lowest, as per the comparative statement, GPC recommends awarding the supply order of Rs.212580/- to M/S GalaxyInternational for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
5	Sodium Borohydride (NaBH <sub>4</sub> )	100g	25960
9	Benzidine	25g	3540
11	Acid Red G 100%	500g	169920
19	Methyl Violet 2B 100%	25g	4130
20	Auramine O Conc 100% / 120%	25g	4130
47	Aniline	1L	2950
57	Zinc Oxide (ZnO)	500g	1950
Total: Rupees two hundred and twelve thousands five hundred and eighty only			212580

## 2. Chemicals

Being the lowest, as per the comparative statement, GPC recommends awarding the supply order of Rs.49950/- to M/S Alam & Compnay for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
16	Malachite Green Crystals 100%	25g	3800
18	Rhodamine 6GDN 100%	5g	3900
32	Dichloromethane (DCM)	2.5L	4500
50	N hexane (HPLC grade)	1L	9500
53	2,4,6 tribromo benzaldehyde	5g	26000
65	Manganese chloride (MnCl <sub>2</sub> )	500g	2250
Total: Rupees fourty nine thousands nine hundreds and fifty only			49950

## 3. Chemicals

Being the lowest at Sr. No:28, as per the comparative statement, GPC recommends awarding the supply order of Rs.162500/- to M/S New Rahmat Traders for the Institute of Chemical Sciences

S. No	Chemical Name	QTY	Price
28	1,3diamino propane	1Kg	162500
Total: Rupees one hundred and sixty two thousands and five hundreds only			162500



1. Glassware					
Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.2450/- to M/S New Rahmat Traders for the Institute of Chemical Sciences					
SR#	Item Name	Volume	Unit Price	QTY Required in Numbers	Total in Rupees
28	Microscope slids	each	490	5	2450
Total: Rupees Twenty four hundred and fifty only					2450

2. Glassware						
Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.45000/- to M/S Alam & Co for the Institute of Chemical Sciences						
SR#	Item Name	Volume	Alam and company	Lowest Bid	QTY Required in Numbers	Total in Rupees
9	Glass pipets	1 mL	450	450	25	11250
10	Glass pipets	2 mL	450	450	25	11250
11	Glass pipets	5 mL	450	450	25	11250
12	Glass pipets	10 mL	450	450	25	11250
Total: Rupees Fourty five Thousands only						45000

3. Glassware					
Being the lowest as per the comparative statement, GPC recommends awarding the supply order of Rs.340560/- to M/S Iqbal and Sons Enterprises for the Institute of Chemical Sciences					
SR#	Item Name	Volume	Alam and company	QTY Required in Numbers	Total in Rupees
2	Glass beaker	50 mL	214.76	50	10738
3	Glass beaker	100 mL	247.8	50	12390
4	Glass beaker	250 mL	330.4	50	16520
6	measuring cylinder	10 mL	363.44	50	18172
7	measuring cylinder	25 mL	462.56	50	23128
8	measuring cylinder	50 mL	578.2	50	28910
17	reagent bottles	500 mL	660.8	10	6608
18	Round bottom flask	10 mL	413	10	4130
19	Round bottom flask	25 mL	413	10	4130
20	Round bottom two neck flask	250 mL	1652	10	16520
22	Volumetric flask	50 mL	495.6	50	24780
23	Volumetric flask	100 mL	660.8	50	33040
24	Conical flask	25 mL	578.2	50	28910
25	Conical flask	100 mL	619.5	50	30975
26	lab thormameter	100 oC	297.36	5	1486.8
27	digital temperature	300 oC	1404.2	5	7021
29	Glass pettry dish	each	462.56	50	23128
32	test tube rake	each	413	50	20650
34	liebigh condenser with plastic,	250 MM , 24.25	2478	7	17346
36	watch glass	medium size	74.34	50	3717
37	stirring rods	each	82.6	100	8260
Total: Rupees three hundred and fourty thousands and five hundred and sixty only					340560

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2. Lab Equipment						
Being the lowest at Sr. No:2,3,4,5,6,9,10 & Being Single Quoted and reasonable as per Market Survey at Sr.No:1, 7 as per the comparative statement, GPC recommends awarding the supply order of Rs.994600/- to M/S Scitech Services Provider for the Institute of Chemical Sciences under PCI.						
S No.	Instruments	Specifications	Qty.	Remarks	Price Offered in PKR	Remarks 2
1	Ultrasonic bath	As per tender documents	1	Scitech Services Providers being the single-quoted bidder as recommended for a supply order of rupees 68800/-. Rate reasonability certificate is attached at an annexure A	68800	Single Quoted
2	pH meter (Benchtop)	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 54000 PKR	54000	
3	Conductivity meter ( Benchtop)	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 84000/-.	84000	
4	Digital Thermostatic Water Bath	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 108000/-.	108000	
5	Glass Distillation Apparatus	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 148500/-.	148500	
6	Digital Orbital Shaker	As per tender documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 118500/-.	118500	
7	High-precision Densimeter	As per tender documents	1	Scitech Services Providers being the single-quoted bidder as recommended for a supply order of rupees 314000/-.	314000	Single Quoted
9	8-channel Adjustable Volume Pipettes	As per Tender Documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 74000/-.	74000	
10	Heating mantle	As per Tender Documents	1	Scitech Services Providers has the lowest price and recommended for a supply order of rupees 24800/-.	24800	
<b>Total: Rupees nine hundreds and ninety four thousands and six hundreds only</b>					<b>994600</b>	



Main Campus, Charbagh Swat  
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**Store/Procurement Section**  
**OFFICE OF THE TREASURER**  
**University of Swat**

318

### Minutes of meeting

Venue: University of Swat (Committee Room), Administration Block.  
Date and Time: March 14, 2024, 11:30 a.m.

Agenda:

Bids Opening Under single Stage One Envelope Procedure for Supply of Chemicals to Centre for Plant Sciences and Bio Diversity at University of Swat Under PC1.

1. Envelopes from the following firms were received along with representatives therein later on who took part in the meeting.

Sr.No	Bidder Name	Attendance
01	M/S SciTech Services Provider	Present
02	M/S Irfan Enterprises	Present
03	M/S Galaxy International	Present
04	M/S New Rahmat Traders	Absent
05	M/S Alam & Company	Present
06	M/S Iqbal & Sons Enterprises	Absent
07	M/S Musaji Adam and Sons	Present

2. The meeting commenced at 11:30 a.m at University of Swat (Committee Room), Administration Block.
3. Convener GPC opened the meeting & welcomed all the present bidders and informed the bidders that the project is part of the University of Swat, and that includes Supply of Lab Equipments & Chemicals to Institute of Chemical Sciences at University of Swat Under PC1.
4. Secretary GPC summarized the composition of the Bid Documents, and highlighted important sections and bidders.
5. Financial bids of all the items were announced aloud and comparative statement was prepared by GPC with the following recommendations taken from comparative statement.

1. Lab Equipment						
Being the lowest at Sr. No:8, as per the comparative statement, GPC recommends awarding the supply order of Rs.41100/- to M/S New Rahmat Traders for the Institute of Chemical Sciences under PC1.						
S No.	Instruments	Specifications	Qty.	Remarks	Price Offered in PKR	Remarks 2
8	Single channel Adjustable Volume Pipettes	As per tender documents	3+3	M/S New Rahmat Traders being the lowest in each is recommended for supply order of Rs.Rs.6850/- x 6 = Rs.41100/-	41100	
<b>Total: Rupees fourty one thousands and one hundred only</b>					<b>41100</b>	

*[Handwritten signatures and initials]*