

NOTE:

The selection was made by the Running Contract Committee on the basis of the lowest quoted price or, where applicable, a single quotation, in accordance with the required specifications. Items procured on a single-quotation (S.Q.) basis were treated as one-time procurements.

M/s Elite International, RWP					
Sr.	Description (List A)	Make	Unti Rs.	Qty.	
345	Trizol, a complete, ready-to-use reagent optimized for the isolation of high-quality total RNA, or the simultaneous isolation of RNA, DNA, and protein from a variety of liquid samples including human, animal, plant, yeast, bacterial, and viral origin ranging from 0.25 to 1 mL sample size	Favorgen Biotech	17,700	100ml	Lowest
Sr.	Description (List C)	Make	Unit Rs.	Qty	
2	Agarose molecular biology grade, High purity for preparative and analytical electrophoresis of nucleic acids. Range (200bp to 40kb) Gelling Temp.: 35-37°C* Sulfate: DNase/RNase: None detected	servicebio	7,080	100g	S.Q
38	DNA Probes Synthesis with different dyes	Macrogen	38,350	200nm	Lowest
50	Favrogen Viral RNA extraction kit,	Favorgen Biotech	76,700	300 prep	Lowest
56	GeneRuler™ 1kb DNA Ladder	Tiagen Biotech	3,540	50 lane	Lowest
59	Genomic DNA Extraction kit For Molecular Biology purpose	Favorgen Biotech	32,450	100 prep	Lowest
83	PCR purification kit, For Molecular Biology purpose	Favorgen Biotech	27,730	300 prep	Lowest
86	Plasmid purification kit	Favorgen Biotech	15,930	100 prep	Lowest
91	Probe synthesis	Macrogen	38,350	200nm	Lowest
98	QIAquick Gel Extraction Kit	Favorgen Biotech	27,730	300 prep	Lowest
105	RNA extraction kit	Favorgen Biotech	27,730	50 prep	Lowest
106	RNA Purification Kit, For Molecular Biology purpose	Favorgen Biotech	27,730	50 prep	Lowest
110	RNeasy Mini Kit	Favorgen Biotech	26,550	50 prep	Lowest
118	Taq DNA polymerase (5 U/μl); molecular biology grade; thermostable; recombinant enzyme that synthesizes DNA from single-stranded templates in the presence of dNTPs and a primer. Creates 'A' overhangs in PCR products; suitable for sequencing PCR products up to 5 kb in size, with 2.5 mL 10x PCR buffer (200 mM Tris-HCl pH 8.4, 500 mM KCl), 1 mL magnesium chloride (50 mM)	Tiagen Biotech	5,605	500u	Lowest
119	Total RNA isolation Kit, column based purification of total RNA from a wide range of cells, Up to 1,000 μg of purified RNA from a single extraction	Favorgen Biotech	27,730	50 prep	Lowest
123	Tri-reagent For Molecular Biology purpose	Favorgen Biotech	17,700	100ml	Lowest
Sr.	Description (List D)	Make	Unit Rs.	Qty	
1	15 ml conical tube, Sterile & PP/HDPE,	citotest Scientific	12,980	500 pcs	Lowest
4	200uL tips, (aerosol barrier filter pipet tips, sterile) Dnase/Rnase free sterile	citotest Scientific	649	96 tips	Lowest
5	50 ml conical tube, Sterile & PP/HDPE,	citotest Scientific	15,930	500pcs	Lowest
7	96 well plate, transparent with lid	citotest Scientific	177	each	Lowest
68	Disposable Sterile Petri Dishes	citotest Scientific	12,390	1 case	Lowest
85	Eppendorf tubes 1.5 ml, graduated	citotest Scientific	885	500/pk	Lowest
102	Glass slides	citotest Scientific	295	72/pkt	S.Q

131	Micropipette tips 10 µl, Rnase & Dnase Free.	citotest Scientific	920	1000/pk	Lowest
147	Petri plates	citotest Scientific	12,390	500 pcs	Lowest
152	Pipette Tips 0.5-10 µl; 100%polypropylene; low-retention plastic; autoclave able; Dnase; RNase, ATP, and Endotoxin Free; non-filtered; suitable for a variety of pipettes; preferred packing: bulk pack	citotest Scientific	920	1000 pk	Lowest
153	Pipette Tips 100-1000 µl; 100%polypropylene; low-retention plastic; autoclave able; Dnase; RNase, ATP, and Endotoxin Free; non-filtered; suitable for a variety of pipettes; preferred packing: bulk pack	citotest Scientific	625	500/pk	Lowest
154	Pipette Tips 10-200 µl; 100% polypropylene; low-tention plastic; graduated; autoclave able; Dnase/Rnase/ATP/Endotoxin Free; non-filtered; suitable for a variety of pipettes; colour blue	citotest Scientific	507	1000 pk	Lowest
155	Pipette white Tips (1000 µl) graduated	citotest Scientific	625	500 pk	Lowest
156	Pipette White Tips 10 µl, RNase & DNase Free	citotest Scientific	920	1000 pk	Lowest
157	Pipette White Tips 10 µl, Rnase & Dnase Free.	citotest Scientific	920	1000 pk	Lowest
158	Pipette Yellow Tips (200 µl) graduated	citotest Scientific	507	1000 pk	Lowest
193	Super Frost™ Microscope Glass slides, Ground 90° white /1 1.0 mm	citotest Scientific	295	72 / pkt	S.Q
194	Super Frost™ Microscope Glass slides, Ground 900 white /11.0 mm	citotest Scientific	295	72 / pkt	S.Q

M/s PHILCO, Lahore					
Sr.	Description (List A)	Make	Unit Rs.	Qty.	
56	Alachlor	Santacruz Biotechnology	49,200	250 mg	Lowest
58	Amersham ECL Plus Western Blotting Detection Reagents.	Santacruz Biotechnology	72,000	1 Kit	Lowest
120	Cypermethrin HPLC grade Analytical grade	Santacruz Biotechnology	31,200	100mg	Lowest
124	DEPC water	Santacruz Biotechnology	27,000	10 x 50 ml	Lowest
125	Dess-Martin periodinane	Santacruz Biotechnology	30,600	5 ml	Lowest
130	Dichlorvos HPLC grade Analytical grade	Santacruz Biotechnology	24,600	250 mg	S.Q
Sr.	Description (List B)	Make	Unit Rs.	Qty	
16	HAT Supplement (50X)	Gibco	12,180	100ML	S.Q
17	HT Supplement (100 X)	Gibco	10,000	100ML	S.Q
18	Hybridoma Fusion and Cloning Supplement (50X)	Gibco	92,950	500ML	S.Q
Sr.	Description (List C)	Make	Unit Rs.	Qty	
35	DNA ladder 50bp	Neb	14,700		Lowest
37	DNA ladder, 100bp	Neb	9,970		Lowest
41	dNTP Set (100 mM) Invitrogen™ For Molecular Biology purpose Nuclease-free aqueous solution of dATP, dCTP, dGTP and dTTP in separate vials (4 x 0.25 mL); >99% purity; should be stable at pH 7.3-7.5; free of human and E. coli DNA	Neb	18,000		Lowest
Sr.	Description (List D)	Make	Unit Rs.	Qty	
145	PCR Tubes & Caps, RNase-free, 0.1 mL (8-strip format),	Kirgen	14,500	1000/Pack	Lowest
146	PCR tubes, Flat cap, RNase & DNase-free, autoclavable. 0.2 mL tubes.	Kirgen	3,950	1000/Pack	Lowest
198	Syringe filters, 0.45 µm, singly wrapped, sterile,	Filter Bio	7,800	50/box	Lowest

M/s MBP, Karachi					
Sr.	Description (List A)	Make	Unit Rs.	Qty.	
291	Prestained Protein Ladder, mixture of 10 blue-, orange-, and green-stained proteins (10 to 180 kDa) in a ready-to-use format for direct loading onto SDS-PAGE gels for using as size standards in protein electrophoresis and western blotting	ABM good, Canada	25,960	500ul/100 loads (1vial)	Lowest
Sr.	Description (List C)	Make	Unit Rs.	Qty	
64	DNA Sequencing (Sanger Sequencing)	Eurofins Genomics, USA	1,888	1 rxns	Lowest
72	Maxima SYBR Green/ROX qPCR Master Mix (2X),	ABM good, Canada	53,100	1 vial	Lowest
90	Prestained Protein Ladder	ABM good, Canada	25,960	1 vial	Lowest
111	Superscript IV Reverse Transcriptase For Molecular Biology purpose	ABM good, Canada	51,920	1 vial	Lowest
Sr.	Description (List D)	Make	Unit Rs.	Qty	
9	Aerosol barrier filter pipette tips, sterile – (10 µl), 10 box per pack	MBP Inc	8,260	1 pack	Lowest
128	MicroAmp™ Optical Adhesive Film	MBP Inc	17,995	1 pack	Lowest
141	Optical Adhesive Film	MBP Inc	17,995	1 pack	Lowest

M/s The WWS, Lahore					
Sr.	Description (List A)	Make	Unit Rs.	Qty.	
6	2,4-D: 2-4-Dichlorophenoxyacetic acid, MB grade, purity 99%, Formula C ₈ H ₆ Cl ₂ O ₃ , Fwt: 221.04g/mol, Plant Cell Culture Tested, Crystalline white to light yellow,	Phyto-USA	20,060	100 g	S.Q
16	3-(N-Morpholino)propane sulfonic acid (MOPS); crystalline powder; CAS Number 1132-61-2, suitable for electrophoresis, capable of buffering within a pH range of 6.5-7.9, any package size	Roth Germany	75,520	250 g	S.Q
114	Colcemid solution	Thermo Scientific	6,372	10 mL	Lowest
149	Ethanol Absolute, for molecular biology, ≥99.5 %, Ph.Eur., extra pure	Honey well	5,782	2.5 L	S.Q
175	Gellan Gum gelling agent; PCCT powder; strength 550-850g/cm ² ; provide clear colourless and high strength gel, loss on drying, ~15% Polysaccharide comprising glucuronic acid, rhamnose and glucose; should not react with MgCl ₂	Plant Cell, USA	79,060	1 Kg	Lowest
176	Gelrite, Gelzan™	Phyto-USA	46,610	500 g	Lowest
177	Gentamicin Sulfate	Phyto-USA	20,650	5 g	Lowest
189	Hybond-P Membrane. (PVDF, pore size 0.45 mm)	Thermo Scientific	146,320	1 roll	Lowest
228	Ms Salt w/B5vit	Thermo Scientific	42,480	100 L	S.Q
237	Nicotinic Acid Purity 99%, Chemical formula: C ₆ H ₅ NO ₂ , Fwt: 123.12, Plant cell culture tested, Powder, soluble in water Storage room temperature	Phyto-USA	11,328	100 g	Lowest
247	Paromomycin sulfate, >98% Pure (TLC), suitable for plant cell culture, C ₂₃ H ₄₇ N ₅ O ₁₈ S, 1 or 5 g powder in glass bottle	Phyto-USA	46,020	25 g	S.Q
264	Phytohemagglutinin (PHA)	Thermo Scientific	18,408	10 mL	
346	Tryptose, Cell culture grade	Thermo Scientific	31,860	500 g	S.Q
Sr.	Description (List B)	Make	Unit Rs.	Qty	Lowest
12	DMEM cell culture media, With: High Glucose, Glutamax, Sodium Pyruvate, Phenol Red Without HEPES, powder, suitable for cell culture,	Thermo Scientific	7,080	10 L	Lowest
13	DMEM/F12 cell culture media, With High Glucose, Glutamax, Phenol Red, powder, suitable for cell culture	Thermo Scientific	43,660	50 L	Lowest
14	Fetal Bovine Serum, certified, heat inactivated, validity 5 years.	Thermo Scientific	55,460	500 mL	Lowest
26	Opti-MEM™ Reduced Serum Medium,	Thermo Scientific	6,608	100 mL	S.Q
33	Tryptone	Biochem, France	11,210	500g	Lowest
Sr.	Description (List C)	Make	Unit Rs.	Qty	Lowest
13	Bcu1 (SpeI) Restriction Enzyme For Molecular Biology purpose	Thermo Scientific	34,810	400 U	S.Q
29	Custom DNA Oligos (Primers) Synthesized at 50 nmol scale	Syn Biotechnologies	64	Each Base	Lowest
34	Dialysis membrane 10 kDa	Thermo Scientific	76,700	10.5m	S.Q

36	DNA ladder, 1000bp	Thermo Scientific	17,700	(5x50 µg)	Lowest
42	dNTPs 100 mM Solution Nuclease-free aqueous solution of dATP, dCTP, dGTP and dTTP in separate vials (4 x 0.25 mL); >99% purity; should be stable at pH 7.3-7.5; free of human and E. coli DNA	Thermo Scientific	20,060	(4x0.25 ml)	Lowest
49	FastAP Thermo sensitive Alkaline Phosphatase	Thermo Scientific	26,786	1,000 U	S.Q
53	Gel and PCR clean up system Silica-membrane-based purification of PCR products >100 bp. DNA of up to 10 kb	Thermo Scientific	41,300	50 preps	S.Q
63	HiSpeed Plasmid Maxi Kit	Thermo Scientific	63,720	25 preps	Lowest
66	KaryoMAX Colcemid Solution 10µg/mL	Thermo Scientific	5,664	10 mL	Lowest
70	Live/Dead Bacterial viability kit	Thermo Scientific	174,640	Each	Lowest
71	Lysozyme	Thermo Scientific	40,120	5 g	Lowest
76	Ni-NTA His•Bind® Resin, High-performance Ni ²⁺ -charged agarose for affinity chromatography.	Thermo Scientific	54,280	10 mL	Lowest
81	PCR clean-up kit	Thermo Scientific	42,480	250 preps	Lowest
82	PCR master mix Ready-to-use, high fidelity, Amplification up to 6 kb to 20kb from genomic DNA , PCR product 3'-A overhangs, mixed with Taq DNA polymerase (0.05 U/µL), reaction buffer, 4 mM MgCl ₂ , and 0.4 mM of each dNTP Nuclease-free water, Store at -20°C.	Thermo Scientific	22,066	200 rxns	Lowest
84	Phusion High-Fidelity DNA Polymerase	Thermo Scientific	28,910	100 U	Lowest
85	Pierce™ LAL Chromogenic Endotoxin Quantitation Kit	Thermo Scientific	138,060	60 rxns	S.Q
89	Pre-packed PD10 desalting columns	Thermo Scientific	99,120	(1x5 mL)	Lowest
93	Protease Inhibitor Cocktail Tablets, ready-to-use, capable to protect proteins in extracts from almost any tissue or cell, including animals, plants, yeast, and bacteria; non-toxic; water soluble	Thermo Scientific	136,880	20 tablets	S.Q
96	PYROGENT™-5000 Kinetic Turbidimetric LAL Assay	Thermo Scientific	42,480	10 Assays	S.Q
97	QCL-1000™ Endpoint Chromogenic LAL Assay	Thermo Scientific	138,060	60 rxns	S.Q
99	qScript XLT 1-Step RT-qPCR ToughMix	Thermo Scientific	92,040	(1 x 1 mL)	Lowest
100	Random Hexamer Primers	Thermo Scientific	17,700	120 µL	S.Q
103	RevertAid first strand cDNA synthesis kit,	Thermo Scientific	40,120	100 rxns	Lowest
114	SYBR™ Green PCR Master Mix, For Molecular Biology purpose	Thermo Scientific	89,680	1000 rxns	Lowest
115	SYTO09	Thermo Scientific	197,060	100 µL	S.Q
117	Tango Buffer For Molecular Biology purpose	Thermo Scientific	15,340	5 x 1.0 mL	S.Q
129	XbaI Restriction enzyme For Molecular Biology purpose	Thermo Scientific	22,066	1,500 U	S.Q

Sr.	Description (List D)	Make	Unit Rs.	Qty	Lowest
3	1000uL blue tips, (aerosol barrier filter pipet tips, sterile) Dnase/Rnase free sterile	Bio seen	9,204	(10x96 Tips/Pack)	Lowest
5	50 ml conical tube, Sterile & PP/HDPE,	Thermo Scientific	15,930	500/Cs	Lowest
11	Amicon® Ultra-15 Centrifugal Filter Unit 10 kDa	Thermo Scientific	66,080	10 reactions	S.Q
12	Amicon® Ultra-15 Centrifugal Filter Unit 3 kDa	Thermo Scientific	66,080	10 Concentrator	S.Q
13	Amicon® Ultra-15 Centrifugal Filter Unit 30 kD	Thermo Scientific	66,080	10 Concentrator	S.Q
14	Amicon® Ultra-15 Centrifugal Filter Unit 50 kDa	Thermo Scientific	69,620	10 Concentrator	S.Q
54	Connectors with screw cap, Made of PTFE, GL 25	Roth Germany	55,460	02 Units	S.Q
65	Disposable Needles 20 mm, 0.40 mm	Roth Germany	41,300	100/Pk	S.Q
66	Disposable Needles 25 mm, 0.55 mm	Roth Germany	41,300	100/Pk	S.Q
67	Disposable Needles 60 mm, 0.60 mm	Roth Germany	44,840	100/Pk	S.Q
69	Disposable syringe Injekt® With Luer fitting, 10 ml Material: PP, PS, Sterile	Roth Germany	66,080	100/Pk	S.Q
70	Disposable syringe Injekt® With Luer fitting, 2 ml Material: PP, PS, Sterile	Roth Germany	40,120	100/Pk	S.Q
71	Disposable syringe Injekt® With Luer fitting, 5 ml Material: PP, PS, Sterile	Roth Germany	44,840	100/Pk	S.Q
84	Empty cartridges for protein isolation FPLC, Material: PP, Filling capacity: 30 ml	Roth Germany	136,880	2/Pk	Lowest
86	Eppendorf tubes 2.0 ml, graduated	Bio seen	2,006	500/Pack	Lowest
108	Heat-resistant gloves up to 500 °C, Five-finger glove	Roth Germany	76,700	Each Pair	S.Q
129	Microcentrifuge tube 2 ml, made of polypropylene, working temp: -20 to 121 C, freeze proof, DNase/Rnase free	Bio seen	2,124	1000/Pack	Lowest
130	Microcentrifuge tubes 1.5 mL	Bio seen	3,186	1000/Pack	Lowest
159	PLT,96WELL,FB,WHITE,NT,WO/LID,NS,BK,25/100	Nest Scientific	22,066	50/pk	S.Q
163	qpcr 96 well plates with strips, semi skirted, 0.1 ml,	Nest Scientific	11,564	25/Pk	S.Q
164	qpcr 96 well plates with strips, semi skirted, 0.2 ml,	Nest Scientific	11,564	25/Pk	Lowest
182	Serological pipette 10ml, single wrapped, orange plug, sterile	Thermo Scientific	7,670	1 case (200/case)	Lowest
183	Serological pipette 5ml, single wrapped, orange plug, sterile,	Thermo Scientific	7,670	1 case (200/case)	Lowest
204	Tissue culture flasks with filtered cap, PS, 25cm2, TC treated, sterile,	Thermo Scientific	22,302	200/Cs	Lowest
205	Tissue culture flasks with filtered cap, PS, 75cm2, TC treated, sterile	Thermo, Fisher	22,302	200/Cs	Lowest

M/s Abdullah Traders, Faisalabad					
Sr.	Description (List A)	Make	Unit Rs.	Qty.	
44	Absolute ethanol	Sigma, Germany	2,832	2.5L	Lowest
45	Acetic acid, ACS reagent, ≥99.7%	Glenthams life Science, UK	4,130	2.5L	Lowest
57	Alpha Naphthol		4,720	25mg	Lowest
64	Ammonium molybdate tetrahydrate	Glenthams life Science, UK	18,880	500g	Lowest
66	Ammonium persulphate, ≥98 %, p.a., ACS	Glenthams life Science, UK	2,360	100G	Lowest
71	Anthrone reagent ACS reagent grade	Glenthams life Science, UK	9,440	25g	Lowest
83	Boric Acid	Glenthams life Science, UK	2,832	1Kg	Lowest
85	Bromocresol Green	Glenthams life Science, UK	4,130	25 g	Lowest
131	Diethyl ether extra dry Purity 99.5 %, extra dry, Sealed Reagent grade, ≥98%, contains ≤2% ethanol and ≤10ppm BHT as inhibitor,	Glenthams life Science, UK	35,400	1L	S.Q
225	Methyl thymol Blue	Sigma, Germany	3,068	10g	Lowest
253	Perchloric acid 70%	Sigma, Germany	37,760	5L	Lowest
Sr.	Description (List D)	Make	Unit Rs.	Qty	
2	100 µl yellow tips (aerosol barrier filter pipet tips, sterile) 10 boxes per pack	Universal	649	Box 96 Pcs	Lowest
92	Filter paper Sheet Dimensions (L x W) 72 x 45 cm , 100 sheets/pk Pore size >10nm Pore size distributions: 35%	Whatman	1,416	Pack of 100 Pcs	Lowest
202	Tips box 1000 ul Polypropylene, stackable and autoclavable	Universal	1,416	1 PACK	S.Q

M/s Ayyan Molecular Products, Lahore					
Sr.	Description (List A)	Make	Unti Rs.	Qty.	
181	Glutamax Solution	Service Bio Technology	10,620	100 ml	Lowest
186	HEPES 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid), laboratory grade; pH 6.8-8.2 range; has a pKa of 7.48 at 25°C	Service Bio Technology	12,390	100 g	S.Q
192	Hygromycin B,	Service Bio Technology	26,845	1 g	Lowest
250	Penicillin-Streptomycin,	Service Bio Technology	5,900	100 ml	Lowest
266	PMSF High Purity Grade Purity 99%,	Service Bio Technology	10,620	5 g	Lowest
302	Skimmed milk powder blotting grade, low fat	Service Bio Technology	9,912	500 g	Lowest
342	Tri-reagent For Molecular Biology purpose	Gene sand Biotech Co Ltd	14,160	100 ml	Lowest
343	Tris Base, Ultra pure grade Primary Standard and Buffer, ≥99.9% (titration), crystalline, pH: 10.5-12,	Service Bio Technology	5,664	500 g	S.Q
348	UltraPure™ N,N'-Methylenebisacrylamide	Service Bio Technology	4,130	100 g	Lowest
349	UltraPure™ Tris Buffer (powder format)	Service Bio Technology	5,664	500 g	Lowest
Sr.	Description (List B)	Make	Unit Rs.	Qty	
1	Bacteriological Peptone For Microbiology purpose	Hunankai Microbial Sci. & tech. co ltd	6,159	500 g	Lowest
10	Citrate agar	Hunankai Microbial Sci. & tech. co ltd	20,248	500 g	S.Q
28	RPMI 1640 cell culture media, With L-Glutamine, Phenol Red, Without HEPES powder, suitable for cell culture,	Service Bio Technology	7,080	10 L	Lowest
Sr.	Description (List C)	Make	Unit Rs.	Qty	
3	Agarose, Ultra Pure, Molecular biology grade, PFGE	Service Bio Technology	5,664	100 g	Lowest
17	cDNA synthesis kit	Transgene biotech	5,664	50 rxn x 20ul	Lowest
39	DNase I – Rnase free with 10 x reaction buffer	Transgene biotech	16,992	1500 unit	Lowest
54	Gel extraction kit	Transgene biotech	9,628	50 reaction	Lowest
57	GeneRuler™ 50bp DNA	Gene sand Biotech Co Ltd	7,080	100 reaction	Lowest
58	GeneRuler™ 50bp DNA Ladder	Gene sand Biotech Co Ltd	7,080	100 reaction	Lowest
60	Genomic DNA purification kit	Transgene biotech	17,841.60	50 reaction	Lowest
112	SuperScript™ III First-Strand Synthesis System,	Transgene biotech	21,240	50 reaction	Lowest
113	SuperScript™ III Platinum™ One- Step qRT-PCR Kit	Transgene biotech	63,047	200 rxn x 20ul	Lowest
116	T4 DNA Ligase	Transgene biotech	8,496	10000 u	Lowest

124	Unstained Protein Ladder	Transgene biotech	9,912	250 ul	S.Q
Sr.	Description (List D)	Make	Unit Rs.	Qty	
57	Cryo boxes for 1.5 ml tubes	Service Bio Technology	590	pack of each	Lowest
58	Cryovial Material: PP Cap style: external Bottom: round Volume: 1.80 ml	Service Bio Technology	2,950	50 pcs / bag	Lowest
63	Dialysis tubing Cut off size 6000 to 10,000 Da	Sangon Biotech Co. Ltd	37,760	pack of 1M/pk	Lowest
81	Easy Pet3 (Manual Liquid Handling)	Service Bio Technology	56,050	pack of each	Lowest
133	Multi well culture plates, PS, 96 wells, TC treated, sterile, single wrapped, F type,	Service Bio Technology	21,240	pack of 100 pcs	Lowest
136	Nalgene™ Single- Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile Capacity: 500 mL, vented caps,	Service Bio Technology	48,144	pack of 40 pcs	Lowest
137	Nalgene™ Single-Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile, Capacity: 125 mL, vented caps,	Service Bio Technology	42,480	pack of 60 pcs	Lowest
138	Nalgene™ Single-Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile, Capacity: 2000 mL, vented caps,	Service Bio Technology	113,280	20 pcs /2000ml	S.Q
139	Nalgene™ Single-Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile, Capacity: 250 mL, vented caps,	Service Bio Technology	10,195.20	12 pcs / 250 ml	Lowest
140	Nalgene™ Single-Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile, Capacity: 1000 mL, vented caps,	Service Bio Technology	27,187.20	12 pcs / 1000 ml	Lowest
144	PCR tube racks Polypropylene, stackable and autoclavable	Service Bio Technology	354	pack of each	Lowest
205	Tissue culture flasks with filtered cap, PS, 75cm2, TC treated, sterile	Service Bio Technology	29,500	pack of 5 pc/bag	Lowest

M/s Global Scientific Technologies, Lahore					
Sr.	Description (List D)	Make	Unit Rs.	Qty	
18	Beaker 500 ml	Pyrex	448	1 No.	S.Q
22	Biohazard disposal stand 12.5 cm (5 in.) × 7.5 cm (3 in.) × 20 cm (8 in.)	Local	35,400	1 No.	Lowest
40	Clamp stainless steel	China	2,006	01 No.	Lowest
48	Conical flask (2L)	Pyrex	3,186	1 No.	Lowest
49	Conical flask 250 ml	Pyrex	531	1 No.	Lowest
50	Conical Flasks Pyrex Glass (100ml)	Pyrex	448	1 No.	Lowest
51	Conical Flasks Pyrex Glass (250 mL)	Pyrex	531	1 No.	Lowest
87	Erlenmeyer flasks (conical flasks), 2000 ml narrow mouth, borosilicate glass for highest resistance to thermal shock and chemical corrosion		3,186	01 No.	Lowest
94	FLASK PEAR SHAPE Capacity 25 mL	Pyrex or equivalent	5,900	Unit	Lowest
114	Magnetic stirrer bar 3 mm, 12 mm	China	295	Unit	Lowest
115	Magnetic stirrer barN 8 mm, 25 mm	China	295	Unit	Lowest
119	Measuring Cylinder 100ml	Pyrex	448	Each	Lowest
121	Measuring Cylinder 500ml	Pyrex	944	Unit	Lowest
122	Measuring Cylinder 50ml	Local	354	Unit	Lowest
142	Pasteur pipettes (Glass) Long, 220 mm	China	10,620	Pack of 250	S.Q
143	Pasteur pipettes (Glass) Short, 150 mm	China	10,620	Pack of 250	S.Q
177	Separating funnel, 1000 ml	Pyrex	4,720	01 No.	Lowest
178	Separating funnel, 100 ml	Pyrex	2,950	01 No.	Lowest
179	Separating funnel, 250 ml	Pyrex	2,950	01 No.	Lowest
180	Separating funnel, 500 ml	Pyrex	3,068	01 No.	Lowest
181	Separating funnel, 50 ml	China	2,596	01 No.	S.Q

M/s New Chemical Centre, Lahore					
Sr.	Description (List A)	Make	Unti Rs.	Qty.	
4	2-(Trifluoromethyl)phenyl isocyanate	Macklin	2,360	5G	Lowest
8	2,4-Dimethylstyrene, 97%, contains ~500 ppm tert-butylcatechol as stabilizer	Sigma	58,410	5G	Lowest
55	Adipic acid dihydrazide (25 g) BioXtra, ≥99.5% (HPLC)	Icon Chemical	8,850	500G	Lowest
62	Ammonium hepta molybdate	Icon Chemical	21,830	500G	Lowest
65	Ammonium nitrate, Analytical Grade	Icon Chemical	17,110	KG	S.Q
84	Brij-58 Synthesis grade	Icon Chemical	10,030	500G	Lowest
89	Buffer solution pH 10	Icon Chemical	2,596	LIT	Lowest
90	Buffer solution pH 4	Icon Chemical	2,596	LIT	Lowest
91	Buffer solution pH 7	Icon Chemical	2,596	LIT	Lowest
96	Calcium chloride dihydrated	Icon Chemical	2,360	KG	Lowest
106	Chloroform anhydrous, ≥99%, contains 0.5-1.0% ethanol as stabilizer	Icon Chemical	6,490	2.5LIT	S.Q
116	Coomassie brilliant blue R-250 (HPLC Grade)	Icon Chemical	14,750	25G	Lowest
119	Cycloxydim HPLC grade Analytical grade	Sigma	35,400	100MG	Lowest
133	Difenconazole	Macklin	24,143	1G	Lowest
138	Di-Potassium Hydrogen Phosphate anhydrous (K ₂ HPO ₄) ACS reagent, ≥98.0%	Icon Chemical	5,310	KG	Lowest
139	Dipotassium Phosphate ACS Grade	Icon Chemical	4,484	KG	Lowest
142	D-Mannitol ACS Grade	Icon Chemical	7,670	KG	Lowest
152	Ethyl acetate HPLC Grade	Icon Chemical	4,484	2.5 L	Lowest
153	Ethylene glycol anhydrous, 99.8%	Icon Chemical	6,490	4LIT	S.Q
179	Glacial Acetic Acid Extra Pure	Icon Chemical	5,664	2.5 LIT	Lowest
182	Glutamic acid	Icon Chemical	5,310	100G	S.Q
185	Gypsum	Icon Chemical	4,130	kg	S.Q
187	Humic Acid	Icon Chemical	53,100	100G	S.Q
188	Humic Acid	Icon Chemical	53,100	100G	S.Q
197	Iso-amyl alcohol	Icon Chemical	17,110	2.5 L	Lowest
210	Magnesium metal	Sigma	94,400	500g	S.Q
217	Mercury (II) Iodide Red (HgI ₂) AC reagent, ≥99%	Icon Chemical	20,650	100g	S.Q
221	Methanol HPLC Grade	Icon Chemical	5,015	4 L	Lowest
244	Osmium tetroxide, CAS No., >99% pure, 100 or 250 mg powder in a glass bottle Roth, sigma or equivalent 250 mg 12000 12000 FALSE	Icon Chemical	171,100	1G	S.Q
251	Peptone	Icon Chemical	7,375	500G	Lowest
258	Phenol red ACS Grade	Icon Chemical	5,310	5G	Lowest
260	Phenolphthalein	Icon Chemical	2,596	100g	Lowest
277	Potassium chloride	Icon Chemical	4,130	KG	Lowest
280	Potassium dichromate	Icon Chemical	10,030	KG	Lowest
284	Potassium Hydroxide	Icon Chemical	2,537	KG	Lowest
285	Potassium Iodide	Icon Chemical	32,450	KG	Lowest
287	Potassium Nitrate (KNO ₃)	Icon Chemical	17,110	KG	S.Q
289	Potassium phosphate monobasic	Icon Chemical	4,484	KG	Lowest
290	Potassium Sulfate	Icon Chemical	4,130	KG	Lowest
301	Silver Nitrate	Icon Chemical	41,300	100G	S.Q
306	Sodium bicarbonate, ACS reagent, ≥99%	Icon Chemical	3,304	KG	Lowest
308	Sodium chloride	Icon Chemical	1,416	KG	Lowest
310	Sodium dihydrogen phosphate	Icon Chemical	4,248	KG	Lowest
312	Sodium hydroxide	Icon Chemical	2,124	KG	Lowest
321	Starch	Icon Chemical	4,130	500G	Lowest
331	Thiamethoxam	Macklin	12,909	1G	Lowest
333	Thidiazuron (TDZ)	Macklin	11,918	5G	Lowest
334	Thio Urea ACS Grade	Icon Chemical	6,490	KG	Lowest

339	Triazophos 99 % pure Analytical grade	Sigma	55,460	50mg	S.Q
354	Zinc chloride ACS Grade	Icon Chemical	4,012	KG	Lowest
Sr.	Description (List B)	Make	Unit Rs.	Qty	
4	Blood Agar Base	Icon Chemical	11,623	500G	Lowest
5	Brain Heart Infusion Broth For Microbiology purpose	Icon Chemical	10,915	500G	Lowest
7	Cellvento® BHK-200, dry powder, cell culture media,	Merck	48,970	10ltr	Lowest
15	GMEM cell culture media, With L-glutamine, without tryptoses phosphate broth and sodium bicarbonate, powder, suitable for cell culture	Sigma	115,050	50L	S.Q
23	Mueller-Hinton broth	Icon Chemical	11,210	500G	Lowest
24	Nutrient Agar	Icon Chemical	10,915	500G	Lowest
25	Nutrient broth	Icon Chemical	10,030	500G	Lowest
27	Pseudomonas Agar Base For Microbiology purpose	Icon Chemical	12,980	500G	Lowest
31	Salmonella-Shigella agar For Microbiology purpose	Icon Chemical	14,750	500G	Lowest
32	Triple Sugar Iron Agar For Microbiology purpose	Icon Chemical	10,915	500G	Lowest
36	XLD Agar For Microbiology purpose	Icon Chemical	12,980	500G	Lowest
37	Yeast Extract, for use in microbial growth medium	Icon Chemical	5,192	500G	Lowest
Sr.	Description (List C)	Make	Unit Rs.	Qty	
10	Arsenic kit 100 strips range (0.005-5.0 mg/l)	Merck	97,350	PKT OF 100	S.Q
15	Boron test kit, 60 tests, range 0.05-0.800 mg/l, for Spectroquant®	Merck	198,830	60 TESTS	S.Q
16	Cadmium test kit. 55 tests range (0.002- 5.00 mg/l) for Spectroquant®	Merck	57,230	55 TEST	S.Q
Sr.	Description (List D)	Make	Unit Rs.	Qty	
15	APC Smart-UPS 5000VA 230V.	APC	560,500	EACH	S.Q
16	Autoclave bags 12 x 36 inches	China	19,470	PKT OF 100	S.Q
32	Butter Fly Needle 2, China	Imported	41	Each	S.Q
37	Chromatography column without frit. Vol. 1000 ml, Internal Dia.: 40 mm, Length: 800 mm	Germany	17,110	EACH	S.Q
38	Chromatography column without frit. Vol. 125 ml, Internal Dia.: 20 mm, Length: 400 mm	Germany	10,030	EACH	S.Q
39	Chromatography column without frit. Vol. 430 ml, Internal Dia.: 30 mm, Length: 600 mm	Germany	21,830	EACH	S.Q
41	Clamping tongs Material: stainless steel	Local	5,310	EACH	S.Q
42	COLD TRAP BODY Socket Size 24/29 Long Height	Imported	17,700	EACH	S.Q
43	COLD TRAP HEAD Cone Size 19/26	Imported	17,700	EACH	S.Q
52	Conical Flasks Pyrex Glass (500ml)	Hysil, UK	767	EACH	Lowest
61	Desiccator valve stopcock, for lid tube	China	5,310	EACH	Lowest
72	Disposable syringe, 1 ml Material: PP, PS, Sterile	Local	2,596	PKT	S.Q
77	Double neck attachment Core size: 24/29 Sleeve size: 24/29	Quickfit	4,130	EACH	Lowest
78	Double neck round bottom flasks, 100 ml, 24/29, 14/23	Quickfit	3,127	EACH	Lowest
79	Double neck round bottom flasks, 250 ml, 24/29, 14/23	Quickfit	3,304	EACH	Lowest
80	Double neck round bottom flasks, 50 ml, 14/23, 14/23	Quickfit	3,068	EACH	Lowest
89	Evaporating flasks 2000 ml Standard ground glass joint sleeve (29/32)	Germany	17,110	EACH	S.Q

93	Filter papers Whatman sheet	Brazil	5,310	PKT	Lowest
95	FLASK PEAR SHAPE Capacity 50 mL	Germany	8,024	EACH	Lowest
123	Measuring spoons set (Spatulas)	China	413	EACH	Lowest
124	Membrane filter Nylon 47 mm diameter, 0.22 um pore size.	Hydocs, UK	4,130	PKT	Lowest
125	Membrane filter Nylon 47 mm diameter, 0.45 um pore size.	Hydocs, UK	4,130	PKT	Lowest
126	Metallic injection needles 40 mm, 1.20 mm stainless steel (rust-free) Fits all syringes with Luer and Luer-Lock fitting. With ground surface.	Roth/socorex	17,110	PKT OF 12	S.Q
127	Metallic injection needles 60 mm, 1.00 mm stainless steel (rust-free) Fits all syringes with Luer and Luer-Lock fitting. With ground surface.	Roth/socorex	26,550	PKT OF 12	Lowest
161	PTFE (Polytetrafluorethylene) Membrane Filters 0.2 µm pore size Autoclavable, White Color and Diameter (Metric) 47 mm	Hydocs, UK	14,750	PKT OF 100	S.Q
188	Stand clamp with boss head, Min. span: 12 mm, Max. span: 25 mm	China	1,770	EACH	Lowest
189	Stand clamp with boss head, Min. span: 20 mm, Max. span: 40 mm	China	1,770	EACH	Lowest
190	Stand clamp with boss head, Min. span: 38 mm, Max. span: 60 mm	China	1,770	EACH	Lowest
195	Syringe filters	Hydocs, UK	3,363	PKT OF 100	Lowest
199	Test tube stand, For tube Ø 18-20 mm	Local	767	EACH	Lowest
209	Vacuum receiver curved, 14/23, 14/23	Quickfit	5,310	EACH	S.Q
210	Vacuum receiver curved, 29/32, 29/32	Quickfit	5,310	EACH	S.Q
211	Vacuum receiver straight, 14/23, 14/23	Quickfit	5,310	EACH	S.Q
212	Vacuum receiver straight, 29/32, 29/32	Quickfit	5,310	EACH	S.Q

M/s Multi Link Enterprises, RWP					
Sr.	Description (List A)	Make	Unti Rs.	Qty.	
20	3-Chloro-2-fluoroaniline	Solar bio life Sciences, China	4,366	5 gm	Lowest
25	3-trifluoromethyl acetophenone, 99%	Solar bio life Sciences, China	3,835	5 gm	Lowest
27	4-(Methylsulfonyl)aniline	Solar bio life Sciences, China	8,496	25g	Lowest
30	4-Bromo-2-fluoroaniline, GC-98%,	Solar bio life Sciences, China	5,192	10 gm	Lowest
31	4-bromo-3-(trifluoromethoxy)aniline	Solar bio life Sciences, China	3,835	1 gm	Lowest
32	4-Bromo-3-fluoroaniline, GC-97%	ACMEC, China	4,956	5 gm	Lowest
35	4-Bromostyrene, 97%, contains 0.05% 3,5-di-tert-butyl catechol as inhibitor	ACMEC, China	7,670	10 gm	Lowest
36	4-chloro-N-methyl aniline GC-95%,	ACMEC, China	8,024	5 gm	Lowest
37	4-fluoro phenyl isocyanate GC-99%,	ACMEC, China	6,372	5 gm	Lowest
38	4-fluoro-N-methyl aniline GC-97%,	ACMEC, China	7,670	5 gm	Lowest
39	4-Fluorostyrene 99%, contains tert-butylcatechol as inhibitor	Solar bio life Sciences, China	5,664	1 gm	Lowest
41	4-trifluoromethoxyaniline	Solar bio life Sciences, China	3,825	25 gm	Lowest
43	6-Benzylaminopurine, BAP	ACMEC, China	5,664	25 gm	Lowest
60	Ammonium Acetate	ACMEC, China	3,540	500 gm	Lowest
61	Ammonium chloride	ACMEC, China	3,540	500 gm	Lowest
73	Bactrological Agar, Gel Strength: 550–950 g/cm2 Gelling Temperature: 34–38 °C Melting Temperature: 84–88 °C Soluble in boiling water	Solar bio life Sciences, China	24,780	3 Kg	Lowest
79	Bis(pinacolato)diboron, Purity > 97%	ACMEC, China	3,304	5 gm	Lowest
101	Carbonyl cyanide	ACMEC, China	5,664	100 mg	Lowest
117	Copper Sulphate Penta Hydrated (CuSO ₄ .5H ₂ O)	Solar bio life Sciences, China	3,776	500 gm	Lowest
132	Diethylene Triamine Penta acetic acid	ACMEC, China	5,900	100 gm	Lowest
141	DL-Dithiothreitol (DTT)	Solar bio life Sciences, China	8,850	05 gm	Lowest
151	Ethyl 4-aminobenzoate GC-98%	ACMEC, China	5,664	100 gm	Lowest
195	Indole-3-acetic acid (IAA)	ACMEC, China	3,835	25 gm	Lowest
200	kinetin	ACMEC, China	8,024	10 gm	Lowest
208	Lysozyme For molecular biology purpose	Solar bio life Sciences, China	3,776	1 gm	Lowest
240	Non-Essential Amino Acids Solution, 100 X liquid, suitable for cell culture,	Solar bio life Sciences, China	10,502	100 ml	S.Q
259	Phenol/Chloroform/Isoamyl Alcohol, 25:24:1 (v/v), Molecular Biology Grade	ACMEC, China	32,745	500 ml	Lowest
278	Potassium chromate	Macklin	15,930	01 kg	Lowest
300	Sepharose CL -6B, Molecular Biology grade	ACMEC, China	87,025	100 ml	Lowest
336	Timentin	Solar bio life Sciences, China	14,514	3.2 gm	Lowest
Sr.	Description (List B)	Make	Unit Rs.	Qty	
2	Bovine Serum Albumin (BSA), Lyophilized powder, ≥96%	Solar bio life Sciences, China	13,452	25 gm	S.Q
6	C.L.E.D Agar medium For Microbiology purpose	HKM, China	16,933	01 kg	Lowest
20	MacConkey agar For Microbiology purpose	HKM, China	19,352	2 Kg	Lowest
22	Mueller-Hinton agar For Microbiology purpose	HKM, China	21,948	01 kg	Lowest
30	RVS Broth For Microbiology purpose	HKM, China	12,508	500 gm	Lowest
Sr.	Description (List C)	Make	Unit Rs.	Qty	
31	DAPI	ACMEC, China	19,175	10 mg	Lowest

43	Dream Taq Green PCR Master mix (2X) For Molecular Biology purpose	Solis biodyne estonia	11,210	500 rxn	Lowest
45	ELISA for the detection of antibodies against FMDV serotype Asia1 in serum and plasma from bovine,	Idvet, France	342,082	1 kit	S.Q
46	ELISA for the detection of antibodies against FMDV serotype O in serum and plasma from bovine	Idvet, France	342,082	1 kit	S.Q
47	ELISA for the detection of Foot and Mouth Disease 3ABC non-structural protein antibodies (NSP) in serum and plasma from bovine	Idvet, France	300,664	1 kit	S.Q
52	gDNA Bacteria Kit For Molecular Biology purpose	Solar bio life Sciences, China	20,060	01 Kit	Lowest
55	GeneJET Genomic DNA Purification Kit for rapid and efficient purification of high quality genomic DNA	solar gen life Sciences, China	11,564	01 Kit	Lowest
74	NHS-treated magnetic beads	solar gen life Sciences, China	133,104	01 ml	S.Q
82	PCR master mix Ready-to-use, high fidelity, Amplification up to 6 kb to 20kb from genomic DNA , PCR product 3`-A overhangs, mixed with Taq DNA polymerase (0.05 U/ μ L), reaction buffer, 4 mM MgCl ₂ , and 0.4 mM of each dNTP Nuclease-free water, Store at -20°C.	Solis biodyne estonia	11,210	250 rxn	Lowest
Sr.	Description (List D)	Make	Unit Rs.	Qty	
62	Dialysis Tubing Clips	Solar bio life Sciences, China	767	10 clips	
109	HPLC Vials	ACE, Germany	9,204	100/pks	S.Q
110	HPLC vials 1.5 ml, graduated	ACE, Germany	92,040	Pack of 1000	S.Q
132	Multi tube rack for 50ml conical, 15ml conical and microcentrifuge tubes	Biosharp, China	738	1 No.	Lowest
192	Sterile swabs for sampling	China	1,841	Pack of 100	Lowest

M/s H.A Scientific Traders, Faisalabad					
Sr.	Description (List A)	Make	Unti Rs.	Qty.	
2	1-cyano-4-dimethylaminopyridinium tetrafluoroborate (CDAP) (FOR CONJUGATION)	Bide pharm	16,100	250mg	Lowest
3	1-ethyl-3-(3-dimethylaminopropyl) carbodiimide hydrochloride (EDC)	Bide pharm	8,500	10gm	Lowest
5	2,4,6-Trimethylstyrene, 95%, contains <0.05% tert-butylcatechol as inhibitor	Bide pharm	25,100	5Gm	Lowest
7	2,4-dichlorophenoxyacetic acid (2,4-D) synthetic auxin	Bide pharm	8,700	25gm	Lowest
9	2-amino 4-(4-cyanophenyl) thiazole, 97%,	Bide pharm	33,600	1G	S.Q
10	2-amino 4-p-tolyl thiazole, 96%	Bide pharm	17,600	5Gm	Lowest
11	2-Amino-5-bromo-3-nitropyridine, GC-97%,	Bide pharm	10,700	25GM	Lowest
12	2-Bromoethylamine hydrobromide	Bide pharm	8,900	100GM	Lowest
17	3-(Trifluoromethyl)phenyl isocyanate	TCI, Japan	72,800	25gm	Lowest
19	3-Bromostyrene 97%, contains 0.1% 3,5-di-tert-butylcatechol as inhibitor,	Bide pharm	10,050	5gm	Lowest
21	3-chlorophenylhydrazine (CCCP)	Macklin	40,200	5Gm	Lowest
22	3-difluoromethoxy aniline	Bide pharm	10,700	5Gm	Lowest
23	3-Fluoro-4-(methylsulfonyl)aniline	Bide pharm	37,000	1G	Lowest
24	3-Nitrostyrene, 96%	Bide pharm	87,800	5Gm	Lowest
26	3-Vinylbenzaldehyde, GC-97%	Macklin	59,000	5Gm	Lowest
28	4-(Trifluoromethyl)styrene, GC-98%	Bide pharm	9,700	1g	Lowest
29	4-Amino antipyrine	Macklin	40,000	500gm	Lowest
33	4-Bromo-N-methylaniline, GC-97%	Macklin	7,500	1G	Lowest
40	4-Trifluoromethoxy Phenyl Isocyanate,GC-97%	Bide pharm	11,700	25gm	Lowest
48	Acetone, Commercial grade	Commercial	48,500	30L	Lowest
50	Acetonitrile (LC-MS Grade)	Merck	23,500	2.5L	Lowest
52	Acetosyringone (3',5'-Dimethoxy-4'-hydroxyacetophenone); 97%; tissue culture tested; any packing size between 1g to 25 g powder in glass bottle	Bide pharm	53,000	25gm	Lowest
53	Acid Ninhydrin	Bide pharm	8,000	25gm	Lowest
72	Azoxystrobin	Bide pharm	9,300	1g	Lowest
82	BIS-TRIS propane	Bide pharm	19,000	100gm	Lowest
92	Buprofezin	Bide pharm	28,700	250Mg	Lowest
99	Carbaryl	Bide pharm	12,100	25gm	Lowest
100	Carbendazim	Bide pharm	12,500	100gm	Lowest
102	Casein	Bide pharm	21,300	KG	Lowest
103	Casein hydrolysate,	Macklin	24,500	500gm	Lowest
104	Cefotaxime	Bide pharm	32,740	25gm	Lowest
105	Cefotaxime, Sodium USP, 1g	Bide pharm	17,500	25gm	Lowest
108	Chlorpyrifos	Macklin	24,150	250mg	Lowest
111	Ciprofloxacin (Reference) Pharmaceutical Secondary Standard; Certified Reference Material	Macklin	7,250	5gm	S.Q
113	CO ₂ gas	Local	680	kg	S.Q
125	Dess-Martin periodinane	Bide pharm	14,150	100gm	Lowest
134	Dimethylamine (40 % solution in water)	Bide pharm	8,400	500ML	Lowest

137	Dimethylthiocarbamoyl chloride, Purity>97%	Bide pharm	12,375	100gm	Lowest
140	Di-tert-butyl dicarbonate, Purity 99%	Bide pharm	11,810	KG	Lowest
155	Fipronil	Bide pharm	32,754	100gm	Lowest
156	Fmoc-Arg (Boc) ₂ -OH	Macklin	40,000	5gm	Lowest
157	Fmoc-Asn (Trt)-OH	Bide pharm	21,500	100gm	Lowest
158	Fmoc-Asp (OtBu)-OH	Macklin	14,600	100gm	Lowest
159	Fmoc-Cys (Acm)-OH	Bide pharm	10,350	25gm	Lowest
162	Fmoc-His (Trt)-OH	Bide pharm	6,300	25gm	Lowest
164	Fmoc-Leu-OH	Bide pharm	14,144	100gm	Lowest
165	Fmoc-Lys (Boc)-OH	Bide pharm	13,600	100gm	Lowest
166	Fmoc-Nle-OH	Bide pharm	11,275	25gm	Lowest
167	Fmoc-Phe-OH	Bide pharm	10,100	100gm	Lowest
168	Fmoc-Sar-OH	Bide pharm	13,360	100gm	Lowest
170	Fmoc-Thr(Trt)-OH	Macklin	32,400	1G	Lowest
171	Fmoc-Trp(Boc)-OH	Bide pharm	12,540	25gm	Lowest
172	Fmoc-Tyr(tBu)-OH	Bide pharm	18,500	100gm	Lowest
173	Formaldehyde ACS reagent, 37 wt. % in H ₂ O,	Sigma / VWR	3,500	2.5L	Lowest
174	Formaline. Formaldehyde solution 37 %, ACS,Stabilised with methanol.	Sigma / VWR	3,500	2.5L	Lowest
190	Hydrochloric acid (HCL) 37 %	Sigma	3,400	2.5L	S.Q
191	Hydrogen Peroxide, ≥30%, for trace analysis	Sigma	1,500	Liter	Lowest
193	Imidacloprid	Bide pharm	24,000	1gm	Lowest
194	Imidazole	Bide pharm	12,510	KG	Lowest
199	Kanamycin sulphate ,Powder and water soluble,Sources; Streptomyces kanamyceticus, Formula; 18H36N4O11•H2SO4,Fwt. 583 g/mole, Effective fror fast selection of stable eukaryotic cell lines and fits for selection in multiple organisms	Bide pharm	10,750	100gm	Lowest
204	Liquid Nitrogen	Local	650	Kg	Lowest
205	Lithium Metal	Sigma	235,500	100gm	Lowest
207	L-Pyroglutamic acid MB grade, purity 99% Formaula: C5H7NO3 Fwt: 129.11 g/mol	Bide pharm	10,500	Kg	S.Q
209	Magnesium Chloride hexahydrate, 99.9%	Sigma / VWR	2,900	kg	Lowest
219	Meropenem (Reference) Pharmaceutical Secondary Standard; Certified Reference Material	Bide pharm	12,500	1gm	Lowest
220	MES, Free Acid,	Bide pharm	15,000	500gm	Lowest
227	Molybdenum trioxide	Macklin	20,800	500gm	Lowest
229	N,N-diisopropylethylamine 99% EP	Macklin	11,670	500ml	Lowest
234	NBT/BCIP Ready-to-Use Tablets, Pack of 10 or 20 tablets, suitable for Western blot, Southern blot, Northern blot, can be used with nitrocellulose or nylon membrane	Sigma	9,500	1Gm	S.Q
235	n-Dodecyl β-D-maltoside; -93-6; >98% (GC); non-ionic	Bide pharm	427,800	100gm	S.Q
245	Oxidase Reagent (Tetramethyl-p-phenylenediamine dihydrochloride)	Bide pharm	38,000	25gm	Lowest
248	p-dimethylaminobenzaldehyde	Bide pharm	12,000	500gm	Lowest
249	Pendimethalin	Bide pharm	16,000	1gm	Lowest
263	Phytigel	Macklin	330,650	5kg	Lowest
265	Picrylsulfonic acid (2,4,6-Trinitrobenzene sulfonic acid) solution – Bio-reagent Grade	Merck	74,500	10ml	S.Q

267	Poly(ethylene glycol) 10,000 Average mol. wt. 10,000	Bide pharm	10,250	Kg	S.Q
268	Poly(ethylene glycol) 3350 Powder. Average mol. wt. 3,350	Bide pharm	9,800	Kg	S.Q
292	Propiconazole	Macklin	9,800	2MI	Lowest
294	Pyridoxine hydrochloride MB grade, purity 99% Formula: C ₈ H ₁₁ NO ₃ .HCl, Fwt: 205.64 Plant cell culture tested Powder, soluble in water Storage room temperature	Bide pharm	10,250	100gm	S.Q
296	Selenourea, 99.97% (metals basis)	Sigma	59,500	1gm	S.Q
298	Sephadex G-50 BioReagent, for molecular biology, DNA grade, fine	Macklin	27,600	50mg	Lowest
309	Sodium Cyanoborohydride (10 g) Pharma Grade	Bide pharm	16,500	100gm	Lowest
320	Spirit Biological Grade	Local	300	Liter	S.Q
325	Tebuconazole 99 % pure Analytical grade	Sigma	321,300	5MG	S.Q
326	Tefluthrin 99 % pure Analytical grade	Sigma	122,500	100mg	S.Q
327	TEMED BioReagent, for molecular biology, ≥99% (GC)	Bide pharm	6,950	100ml	S.Q
328	Tert-butyl crotonate Purity 97%,	Macklin	14,365	5ml	Lowest
329	Tetracycline HCl, Cell culture tested Molecular Formula: C ₂₂ H ₂₄ N ₂ O ₈ . HCl F.Wt: 480.9, Purity: >98% Suitable for bacterial growth	Macklin	12,800	100gm	S.Q
335	Thioacetanilide]	Bide pharm	12,500	500gm	Lowest
337	Toluene	Lab Scane	21,000	2.5l	S.Q
340	Tricyclazole 99 % pure Analytical grade,	Sigma	40,500	10mg	S.Q
352	White Spirit	Local	300	Liter	S.Q
353	Zeatin Riboside MB grade, purity 99% Formula: C ₁₅ H ₂₁ N ₅ O ₅ , Fwt: 351.37 g/mol Plant cell culture tested	Bide pharm	33,600	100mg	Lowest
Sr.	Description (List B)	Make	Unit Rs.	Qty	
3	Blood agar	Biokar / Liofichem	16,870	500gm	S.Q
8	CHROMagar ESBL For Microbiology purpose	Merck	272,500	Set 500gm + 5 vials	S.Q
29	RPMI 1640 medium with L- glutamine without sodium bicarbonate, powder form, suitable for cell culture	Elab-Bioscience	15,500	5×1L	S.Q
Sr.	Description (List C)	Make	Unit Rs.	Qty	
1	ALAT(GPT)*,IFCC , Martin Dow-Inoline	Martin	11,500	5X25ML	S.Q
8	Aluminium test kit 350 tests range (0.02- 1.20 mg/l) for Spectroquant®	Merck	120,960	350 Test	Lowest
19	Cellulase enzyme,	Bide pharm	14,700	25gm	Lowest
21	CHOLESTROL,CHOD PAP, Martin Dow-Inoline	Martin	33,100	500ML	S.Q
24	Copper test kit. 250 tests range (0.002- 6.00 mg/l) for Spectroquant®	Merck	68,175	250 test	Lowest
25	Crack Set 10 for Spectroquant â	Merck	83,000	100 Each	S.Q
30	Cyanide test kit, 100 tests range (0.002- 5.00 mg/l) for Spectroquant®	Merck	83,000	100 Test	S.Q
44	ELISA for the detection of antibodies against FMDV serotype A in serum and plasma from bovine	Elab-Bioscience	124,500	96 T	Lowest
48	EZ-10 Spin Column Plant Genomic DNA Mini-Preps Kit	Elk-Biotechnology	48,500	200 Test	Lowest
51	Fluoride kit 100 tests range (0.10-20.0 mg/l) for Spectroquant®	Merck	170,505	250 Test	Lowest

65	Iron test kit, 250 tests range (0.0025- 5.00 mg/l) for Spectroquant®	Merck	122,850	1000 test	Lowest
68	LDH,IFCC, Martin DOW-Inoline	Martin	19,575	5X25ML	S.Q
69	Lead Test Kit, 50 Tests Range (0.010-5.00 mg/l) for Spectroquant â	Merck	42,120	50 test	S.Q
75	Nickel test kit, 250 tests, range (0.02-5.0 mg/l) for Spectroquant®	Merck	95,580	250 test	S.Q
77	Nitrate test kit, 100 tests, range (0.10-25.0 mg/l) for Spectroquant®	Merck	171,585	250 test	Lowest
78	Nitrite test Kit Range, 335 Tests Range (0.002-1.0 mg/l for Spectroquant	Merck	110,700	1000 test	Lowest
92	Propidium Iodide ≥94.0% (HPLC)	Bide pharm	24,250	25mg	Lowest
104	Ribonuclease (RNAse), (Dnase, proteinase-free)	Bide pharm	13,000	100mg	Lowest
Sr.	Description (List D)		Unit Rs.	Qty	
17	Beaker 250 ml	Pyrex	300	No	Lowest
19	Beakers Pyrex Glass (1 Lit)	Pyrex	650	No	Lowest
20	Beakers Pyrex Glass (250 mL)	Pyrex	300	No	Lowest
21	Biohazard Bags, H × W × thickness 305 mm × 203 mm × 0.04 mm, red polypropylene (with biohazard warning symbol & precautions	Biohazard	150	No	Lowest
23	Blood vacutainer (EDTA) 5 ml	China	1,800	100 Pcs	Lowest
24	Blood vacutainer (Gel) 5 ml	China	1,800	100 Pcs	Lowest
25	Blood vacutainer (lithium heparin) 3 ml or 5 ml	China	1,800	100 Pcs	Lowest
26	Blue Nitrile Gloves, Disposable, Powder Free Extra Large	China	1,500	100 pcs	Lowest
27	Blue Nitrile Gloves, Disposable, Powder Free, Large	China	1,600	100 pcs	Lowest
28	Blue Nitrile Gloves, Disposable, Powder Free, Medium	China	1,500	100 pcs	Lowest
29	Blue Nitrile Gloves, Disposable, Powder Free, Small	China	1,500	100 pcs	Lowest
30	BUCHNER FUNNEL (STEM WITH ground glass CONE) Sint Disc Porosity 3 Cone Size 19/26	China	1,500	No	Lowest
31	Burrete clamp Min. span 0 mm Max. span 20 mm	China	1,500	Set	Lowest
36	Charcoal Swabs for sampling	China	9,500	100 pcs	Lowest
44	Condenser Cone size 29/32 Socket size 29/32	China	5,500	No	S.Q
45	Condenser with glass connectors Liebig condenser, 160 mm, 14/23	China	3,500	No	Lowest
46	Condenser with glass connectors Liebig condenser, 250 mm, 24/29	China	5,000	No	Lowest
47	Condenser Cone size 19/26 Socket size 19/26	China	5,000	No	Lowest
53	Conical Flasks Pyrex Glass (1000ml/1Lit)	Pyrex	1,350	No	Lowest
56	Cotton rolls	Local	250	Roll	Lowest
60	Desiccator Plastic 4-5 L	China	16,500	No	Lowest
64	Digestion Tubes (Pyrex)	Pyrex	2,700	No	S.Q
73	Disposable syringes, 5ml (5cc)	Local	1,500	100 pcs	Lowest
74	Distillation attachment, 14/23, 14/23	China	1,500	No	Lowest
75	Distillation attachment, 19/26, 19/26	China	1,500	No	Lowest
76	Distillation attachment, 24/29, 24/29	China	1,500	No	Lowest
83	ELISA plates	China	275	No	Lowest
88	Evaporating flasks 1000 ml, Standard ground glass joint sleeve (29/32)	China	6,500	No	Lowest
90	Falcon tubes 15 mL	ACE-BmbH	1,450	100 Pcs	Lowest
91	Falcon tubes 50 mL	ACE-BmbH	1,450	50 pcs	Lowest

96	Forceps (stainless steel, large curved neck	China	550	No	Lowest
97	Funnel glass 80 mm diameter	China	300	No	Lowest
98	Gas wash bottle, Without filter plate, 100 ml	China	11,000	No	Lowest
99	Gas wash bottle, Without filter plate, 250 ml	China	11,000	No	Lowest
100	Gas wash bottle, Without filter plate, 500 ml	China	11,000	No	Lowest
107	Gloves Latex Small/Medium/Large Powder free	China	1,250	100 Pcs	Lowest
113	Lithium heparin vacutainer	China	2,500	100 pcs	S.Q
116	Magnetic stirrer bar 8 mm, 50 mm	China	625	No	Lowest
118	Measuring Cylinder 1000ml	Pyrex	1,550	No	Lowest
120	Measuring Cylinder 250ml	Pyrex	700	No	Lowest
149	pH-indicator strips pH 6.5 – 10.0	China	750	100 strip	Lowest
150	Pipette blubs Material: natural rubber, latex. Suitable for Pasteur Pipettes	China	450	No	Lowest
151	Pipette filler (manual)	China	2,000	No	Lowest
162	PTFE Syringe Filter, 0.2µm, 50mm	China	6,100	100 pcs	S.Q
165	Reagent bottles 1000 ml	Pyrex	850	No	Lowest
166	Reagent bottles 500 ml	Pyrex	650	No	Lowest
167	Reagent Bottles with caps (100 ml), Manufactured from borosilicate glass, Resistance to chemical attack and high temperatures, With PBT screw caps that have a PTFE faced sealing disc, Autoclavable, White graduations and marking spot	Pyrex	410	No	Lowest
168	Reagent Bottles with caps (1000 ml), Manufactured from borosilicate glass, Resistance to chemical attack and high temperatures, With PBT screw caps that have a PTFE faced sealing disc, Autoclavable, White graduations and marking spot	Pyrex	850	No	Lowest
169	Reagent Bottles with caps (500 ml), Manufactured from borosilicate glass, Resistance to chemical attack and high temperatures, With PBT screw caps that have a PTFE faced sealing disc, Autoclavable, White graduations and marking spot	Pyrex	650	No	Lowest
170	Reagent screw cap Bottle 2000ml Pyrex	Pyrex	2,800	No	Lowest
171	Round bottom flasks 250 ml, Standard ground glass joint sleeve (29/32)	Pyrex	850	No	Lowest
172	Round bottom flasks 500 ml, Standard ground glass joint sleeve (29/32)	Pyrex	1,050	No	Lowest
173	Round bottom flasks 50ml (Standard ground glass joint sleeve 14/23)	Pyrex	890	No	Lowest
174	Round bottom flasks 50ml, Standard ground glass joint sleeve (29/32)	Pyrex	900	No	Lowest
175	Round bottom flasks, Standard ground glass joint sleeve (19/26) 100 ml	Pyrex	950	No	Lowest
184	Silica Thin Layer Chromatography plates	Merck-MW	23,000	Pkt	S.Q
185	Slide Boxes (100 pieces plastic)	China	550	Box	S.Q
186	Spatula Made from ASTM™ standard stainless-steel construction and polished finishing	China	300	No	S.Q
191	Stand set with accessories (stand plate, stand rod, clamp and immersion limiters)	China	2,000	Set	S.Q
207	Tweezer straight blunt, 130 mm	Local	350	No	S.Q
208	Tweezer straight blunt, 200 mm	China	650	No	S.Q

M/s Musaji Adam & Sons, Faisalabad					
Sr.	Description (List A)	Make	Unti Rs.	Qty.	
1	1,4-Dioxane, anhydrous, 99.8%	Daejung, Korea	8,500	1L	Lowest
13	2-Mercaptoethanol, 14.3 M, liquid, Molecular biology Grade, min 99.0%, 500 or 1000 mL in glass bottle	Daejung, Korea	12,000	1L	Lowest
14	2-propanol (isopropanol) anhydrous, 99.5%,	Daejung, Korea	2,500	1L	Lowest
42	5-Sulfosalicylic acid	Daejung, Korea	7,000	500g	Lowest
51	Acetonitrile 99.8% HPLC	Daejung, Korea	9,950	4L	Lowest
54	Acrylamide	Daejung, Korea	6,500	500g	Lowest
63	Ammonium Hydroxide, 28.0-30.0%, NH3 basis	Daejung, Korea	5,500	18L	Lowest
67	Ammonium Sulfate	Daejung, Korea	2,500	500g	Lowest
68	Ammonium Tartrate	Daejung, Korea	5,000	500g	Lowest
69	Ampicillin	Oxoid, UK	1,000	50discs/ pack	Lowest
70	Anhydrous sodium sulphate	Daejung, Korea	4,000	1kg	Lowest
74	Barium Acetate	Daejung, Korea	2,500	500gm	Lowest
75	Barium Chloride di hydrated	Daejung, Korea	3,000	500gm	Lowest
76	Bentonite	Daejung, Korea	2,000	500gm	Lowest
77	Benzene 99.5%	Daejung, Korea	3,500	1L	Lowest
94	Calcium carbonate	Daejung, Korea	3,500	1kg	Lowest
95	Calcium Chloride (CaCl ₂) Anhydrous	Daejung, Korea	3,500	500gm	Lowest
97	Calcium Nitrate	Daejung, Korea	5,000	1kg	Lowest
98	Calcium Oxide	Daejung, Korea	2,500	500gm	Lowest
107	Chloroform for liquid chromatography, HPLC Grade	Daejung, Korea	16,500	4L	Lowest
110	Chromocult Coliform For the simultaneous detection and enumeration of coliform bacteria and <i>E. coli</i>	Oxoid, UK	75,000	500gm	Lowest
112	Citric Acid	Daejung, Korea	2,800	500gm	Lowest
115	Congo red dye	Daejung, Korea	5,000	25gm	Lowest
118	Crystal Violet	Daejung, Korea	4,000	25gm	Lowest
121	D Glucose Monohydrate	Daejung, Korea	19,500	5kg	Lowest
126	Di sodium hydrogen phosphate	Daejung, Korea	5,000	1kg	Lowest
127	Dichloroethane (DCE)	Daejung, Korea	5,500	2.5L	S.Q
128	Dichloromethane anhydrous 99.8%	Daejung, Korea	4,000	1kg	S.Q
129	Dichloromethane HPLC Grade	Daejung, Korea	16,500	4L	Lowest
136	Dimethylsulfoxide dried (max. 0.025% H ₂ O)	Daejung, Korea	3,000	1kg	Lowest
143	DMSO cell culture grade,	Daejung, Korea	6,190	500gm	Lowest
145	EDTA, disodium salt, dihydrate, molecular biology grade, ≥99%, 500 g	Daejung, Korea	7,000	1kg	Lowest
154	Ferric chloride hexa hydrated (FeCl ₃ .6 H ₂ O)	Daejung, Korea	12,000	1kg	S.Q
178	Giemsa stain	Wellcosol	9,000	500mL	Lowest
180	Glucose Media grade	Daejung, Korea	4,000	1kg	S.Q
183	Glycerol, For molecular biology, ≥99.5 %,	Daejung, Korea	3,000	500gm	S.Q
196	Iron(III) chloride hexahydrate ACS Grade	Daejung, Korea	6,000	500gm	Lowest
211	Magnesium sulfate anhydrous, powder	Daejung, Korea	6,000	500gm	Lowest
212	Magnesium sulphate heptahydrate	Daejung, Korea	3,000	1kg	S.Q
222	Methanol LC-MS Grade	Daejung, Korea	5,000	4L	S.Q

223	Methyl Orange	Daejung, Korea	4,000	25gm	Lowest
224	Methyl Red Voges Proskauer Broth	Oxoid, UK	27,500	500gm	S.Q
230	N,N-Dimethyl acetamide, 99.5%, Extra Dry	Daejung, Korea	3,500	1L	S.Q
231	N,N-Dimethylformamide, 99.8%, Extra Dry,(max. 0.003% H ₂ O)	Daejung, Korea	2,500	1L	Lowest
236	n-hexane HPLC Grade	Daejung, Korea	16,500	4L	Lowest
238	Nitric Acid Analytical grade ACS reagent,	Daejung, Korea	2,500	2.5L	Lowest
243	Ortho Phosphoric Acid ACS reagent,	Scharlau, Spain	15,500	2.5L	Lowest
252	Perchloric Acid	Daejung, Korea	17,500	1L	S.Q
255	Petroleum ether 90% CAS# 8032-32-4 bp 30-40 °C, low boiling point hydrogen treated naphtha	Daejung, Korea	14,000	4L	S.Q
257	Phenol ACS reagent, Ph. Eur., 99.0-100.5%	Daejung, Korea	3,500	1kg	S.Q
271	Poly(ethylene glycol) 8000 Powder. Average mol. wt. 8,000	Daejung, Korea	2,500	500gm	Lowest
272	Polyethylene glycol 8,000	Daejung, Korea	2,500	500gm	Lowest
273	Potassium acetate	Daejung, Korea	6,000	1kg	Lowest
274	Potassium aluminum sulfate dodecahydrate (Alum)	Daejung, Korea	4,500	1kg	Lowest
276	Potassium carbonate anhydrous	Daejung, Korea	4,500	1kg	Lowest
279	Potassium Cyanide	Daejung, Korea	6,500	500gm	S.Q
282	Potassium ferricyanide	Daejung, Korea	6,500	500gm	Lowest
286	Potassium Nitrate	Scharlau, Spain	8,000	1kg	Lowest
288	Potassium oxalate monohydrate	Scharlau, Spain	5,000	500gm	Lowest
293	Pyridine dried (max. 0.0075 % H ₂ O)	Daejung, Korea	16,000	1L	Lowest
303	Sodium Acetate Trihydrate, ≥99%	Daejung, Korea	2,500	500gm	Lowest
304	Sodium alginate	Daejung, Korea	9,500	500gm	Lowest
305	Sodium Azide (NaN ₃)	Daejung, Korea	13,500	500gm	Lowest
307	Sodium borohydride (NaBH ₄)	Daejung, Korea	8,500	25gm	S.Q
311	Sodium dodecyl sulfate (SDS)	Daejung, Korea	3,800	500gm	Lowest
313	Sodium Iodide	Daejung, Korea	13,500	500gm	Lowest
315	Sodium n-Dodecyl Sulfate United States Pharmacopeia (USP) Reference Standard	Daejung, Korea	3,800	500gm	S.Q
316	Sodium Nitrite	Daejung, Korea	3,500	1kg	S.Q
317	Sodium sulfate anhydrous	Daejung, Korea	4,000	1kg	S.Q
318	Sodium tetra borate ≥99.0% purity	Daejung, Korea	3,500	500gm	S.Q
319	Sodium thiosulfate penta hydrated	Daejung, Korea	2,800	1kg	S.Q
323	Sucrose, Purity (GC) > 99.5%_100%	Daejung, Korea	3,300	1 kg	Lowest
324	Sulfuric Acid (99 %) H ₂ SO ₄	Daejung, Korea	7,000	4 ltr	Lowest
330	Tetrahydrofuran, 99.9%, Extra Dry, anhydrous, SC, AcroSeal	Daejung, Korea	8,700	1 lit	Lowest
332	Thiamine Hydrochloride BioReagent, suitable for cell culture	Daejung, Korea	4,200	25g	Lowest
338	Tri calcium phosphate	Daejung, Korea	3,900	500gm	Lowest
341	Triethylamine (Dry) Purity ≥ 99.5 %	Daejung, Korea	7,500	500ml	S.Q
344	Triton-X-100	Daejung, Korea	9,500	1kg	Lowest
347	UltraPure™ Acrylamide	Daejung, Korea	12,600	1 kg	Lowest
350	Urea	Daejung, Korea	4,500	1kg	Lowest
351	Water, RNase, DNase-free	Daejung, Korea	5,900	4 ltr	Lowest
355	β-Mercaptoethanol, Molecular Biology Grade	Daejung, Korea	5,600	500ml	Lowest

Sr.	Description (List B)	Make	Unit Rs.	Qty	Lowest
21	M-FC agar for detection of faecal coliforms	Oxoid, UK	35,000	500gm	S.Q
Sr.	Description (List D)	Make	Unit Rs.	Qty	
112	Lens Cleaning Tissue Paper	CHM, Spain	42,000	500 Pcs	Lowest
134	Multi-channel pipette (upto 200 microliter)	Corning, USA	135,000	Nos	Lowest
196	Syringe filters	Imported	5,000	100pcs	S.Q

NOTE:

The selection was made by the Running Contract Committee on the basis of the lowest quoted price or, where applicable, a single quotation, in accordance with the required specifications. Items procured on a single-quotation (S.Q.) basis were treated as one-time procurements.