



27 May 2024

Bid Bulletin No. 1

**Subject: SUPPLY AND DELIVERY OF LABORATORY CHEMICALS AND SUPPLIES
PB 24-02-21**

This bid bulletin is being issued to clarify and amend Section VI. Schedule of Requirements and Section VII. Technical Specifications in the bidding document.

Please refer to the attached documents for complete details.

Section VII (Revised Technical Specifications) must be included in the bid proposal as part of the Eligibility and Technical Component (1st envelope) to signify conformity to the revisions.

Please be guided accordingly.

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SECTION VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item no.	Description	Unit	Qty	Total ABC	Division	Delivery Period (upon receipt of PO/NTP)
1.	PCR Plates	pack	5	22,500.00	CBC	90 CD
2.	Microcentrifuge Tube	pack	5	5,000.00	CBC	
3.	Microcentrifuge Tube	pack	3	4,500.00	CBC	30 CD
4.	Microtubes	pack	15	14,250.00	CBC	60 CD
5.	Microtubes	pack	15	15,000.00	CBC	90 CD
6.	Pipette Tips, Blue	case	12	21,600.00	CBC	30 CD
7.	Pipette Tips, Yellow	case	11	11,000.00	CBC	
8.	Pipette Tips, White	case	12	16,800.00	CBC	
9.	Lint-free Wipes	pack	55	13,750.00	CBC	
10.	PCR Plates, non-skirted	pack	5	35,000.00	CBC	90 CD
11.	PCR Plates, full skirted	pack	1	11,000.00	CBC	
12.	Laboratory marker	piece	20	3,600.00	CBC	30 CD
13.	Centrifuge Tubes	pack	2	18,000.00	CBC	90 CD
14.	96-well Plate Sealing Film	pack	1	30,000.00	CBC	
15.	Syringe	piece	50	10,000.00	CBC	30 CD
16.	PCR Plates	pack	2	60,000.00	CBC	
17.	PCR Plates	pack	10	45,000.00	CBC	
18.	Protein Fusion and Purification System	kit	2	170,000.00	CBC	
19.	Lint-free Wipes	pack	1	13,000.00	CBC	
20.	Metallic Beads	pack	2	104,000.00	CBC	
21.	Centrifuge Tubes	pack	4	2,800.00	RCFSD	

22.	Centrifuge Tubes	pack	4	3,200.00	RCFSD	
23.	Dry Rehydratable Film	pack	1	6,000.00	RCFSD	
24.	Dry Rehydratable Film	pack	1	5,000.00	RCFSD	
25.	Test Tube Brush	piece	8	6,400.00	RCFSD	
26.	Alcohol Lamp,	piece	4	600.00	RCFSD	
27.	Iris scissors	piece	10	3,000.00	RCFSD	
28.	Filter paper	pack	6	24,000.00	RCFSD	
29.	Beaker	piece	1	7,000.00	RCFSD	
30.	Parafilm	roll	1	3,000.00	RCFSD	
31.	Scintillation Vials	pack	3	3,000.00	RCFSD	
32.	Volumetric Flask	piece	50	37,500.00	RCFSD	
33.	Magnetic Stirring Bar	piece	2	2,000.00	RCFSD	
34.	Laboratory marker	piece	50	8,167.50	PBBD	
35.	Petri dish	pack	35	63,000.00	PBBD	
36.	Iris scissors	piece	5	1,000.00	PBBD	
37.	Microtubes, 2.0ml	pack	18	21,600.00	PBBD	
38.	Microtubes, 1.5ml	pack	18	21,600.00	PBBD	
39.	Lint-free Wipes	pack	24	4,800.00	PBBD	
40.	Pipette Tips, Blue	case	12	54,000.00	PBBD	
41.	Pipette Tips, Yellow tips	case	1	4,500.00	PBBD	
42.	Pipette Tips, White	case	5	50,000.00	PBBD	
43.	PCR Plates	pack	5	35,000.00	PBBD	
44.	Laboratory marker	piece	20	3,000.00	PBBD	
45.	Ethyl Alcohol 95%	carbouy	10	26,620.00	PBBD	
46.	Silica Gel	pack	1	80,000.00	PBBD	
47.	Mineral Oil	bottle	3	27,000.00	CBC	

48.	LB Broth	bottle	6	24,000.00	CBC	60 CD
49.	Reagent Reservoir	piece	10	2,500.00	CBC	30 CD
50.	Agarose, Low EEO	bottle	9	148,500.00	CBC	60 CD
51.	RedSafe Nucleic Acid Staining Sol, 1ml	bottle	14	112,000.00	CBC	45 CD
52.	Ethanol, 2.5L	bottle	5	21,000.00	CBC	30 CD
53.	PTC Agar	bottle	2	8,000.00	CBC	
54.	Ethanol	carbouy	10	30,000.00	CBC	
55.	Tris Base, 500g	bottle	1	5,000.00	CBC	60 CD
56.	Sodium hypochlorite	carbouy	5	7,500.00	CBC	30 CD
57.	Morpholinoethane sulfonic acid	bottle	1	73,000.00	CBC	60 CD
58.	Ethylenediaminetetraacetic acid, EDTA, Disodium salt	bottle	1	8,000.00	CBC	30 CD
59.	PCR Buffer	pack	5	30,000.00	CBC	
60.	Alcohol, Ethyl Alcohol	carbouy	20	60,000.00	CBC	
61.	Alcohol, Ethyl Alcohol	carbouy	2	6,000.00	CBC	
62.	Silica Gel	pack	2	15,800.00	CBC	
63.	Sodium Hydroxide, 500g	bottle	1	3,000.00	CBC	
64.	Temed, 100ml	bottle	2	15,000.00	CBC	60 CD
65.	Sanger Sequencing	lot	1	245,000.00	CBC	30 CD
66.	DNA ladder	bottle	10	60,000.00	CBC	
67.	DNA Ladder	bottle	3	12,000.00	CBC	
68.	RNA extraction kit for plant sample	kit	1	134,000.00	CBC	
69.	cDNA Synthesis Kit	kit	2	96,000.00	CBC	
70.	Gel/PCR Purification Kit	kit	3	75,000.00	CBC	60 CD
71.	Deoxynucleoside	Set	9	171,000.00	CBC	

	Triphosphate					
72.	Microplates	kit	5	92,500.00	CBC	30 CD
73.	Dye	bottle	3	69,000.00	CBC	
74.	Taq DNA Polymerase	kit	20	136,000.00	CBC	60 CD
75.	D-Glucose	bottle	8	28,000.00	CBC	
76.	Ethylenediaminetetraacetic acid	bottle	1	6,270.00	CBC	60 CD
77.	Cetyltrimethylammonium Bromide (CTAB)	bottle	1	14,500.00	CBC	30 CD
78.	Sodium Dodecyl sulfate	bottle	1	6,000.00	CBC	
79.	Absolute Ethanol	piece	1	4,000.00	CBC	
80.	2-Propanol	bottle	1	3,000.00	CBC	
81.	Acrylamide	bottle	3	75,000.00	CBC	
82.	TRIS-HCl	bottle	1	4,500.00	CBC	
83.	Nucleic Acid Stain	tube	3	22,500.00	CBC	
84.	Nuclease-free water	bottle	1	5,000.00	CBC	60 CD
85.	PCR Buffer	pack	5	40,000.00	CBC	30 CD
86.	Sodium chloride	bottle	2	2,000.00	CBC	
87.	2-Propanol	bottle	2	2,000.00	CBC	
88.	Agarose	bottle	2	34,000.00	CBC	
89.	Ammonium Persulfate	bottle	1	22,000.00	CBC	
90.	Calcium chloride anhydrous	bottle	1	1,300.00	CBC	
91.	Absolute Ethanol	piece	3	7,500.00	CBC	
92.	DNA Ladder	bottle	5	32,500.00	CBC	60 CD
93.	GoTaq Reaction Buffer	pack	5	40,000.00	CBC	30 CD
94.	DNA Staining solution	tube	1	7,500.00	CBC	
95.	DNA Extraction Kit	kit	1	40,000.00	CBC	

96.	PCR clean-up	piece	1	25,000.00	CBC	60 CD
97.	PCR cloning kit	kit	1	50,000.00	CBC	30 CD
98.	Deoxynucleoside Triphosphate	set	4	40,000.00	CBC	60 CD
99.	Guanidine hydrochloride	bottle	1	17,262.00	CBC	
100.	Taq DNA Polymerase	kit	20	140,000.00	CBC	
101.	Mueller Hinton Broth	bottle	1	7,000.00	RCFSD	30 CD
102.	MS Salt	bottle	1	32,000.00	RCFSD	60 CD
103.	Maltose	bottle	4	68,000.00	RCFSD	
104.	Ethyl Alcohol	carbouy	2	6,000.00	RCFSD	
105.	Naphthaleneacetic acid	bottle	1	3,000.00	RCFSD	30 CD
106.	Ethanol, Absolute	bottle	1	4,000.00	RCFSD	
107.	Diethylenetriaminepentaacetic acid	bottle	1	6,000.00	RCFSD	60 CD
108.	Triethanolamine	bottle	1	8,500.00	RCFSD	30 CD
109.	Propanol, Isopropanol	bottle	1	3,000.00	RCFSD	
110.	Zinc	piece	1	8,500.00	RCFSD	60 CD
111.	Cetyltrimethylammonium Bromide (CTAB)	bottle	1	7,000.00	RCFSD	30 CD
112.	Myo-inositol	bottle	1	9,000.00	RCFSD	60 CD
113.	PTC Agar	bottle	6	24,000.00	RCFSD	30 CD
114.	Microbial Culture (Lactic Acid Bacteria)	piece	3	7,410.00	RCFSD	
115.	cDNA Synthesis Kit	kit	1	62,569.34	RCFSD	60 CD
116.	cDNA Synthesis Kit	kit	2	90,000.00	RCFSD	30 CD
117.	Fetal bovine serum	bottle	2	76,000.00	RCFSD	60 CD
118.	RNA, DNA and Protein Extraction Reagent	bottle	1	50,000.00	RCFSD	30 CD

119.	Minimum Essential Medium Eagle (MEMα)	bottle	6	45,000.00	RCFSD	60 CD
120.	Thidiazuron	bottle	1	15,000.00	RCFSD	30 CD
121.	Dulbecco's Modified Eagle's Medium (DMEM)	bottle	6	51,000.00	RCFSD	60 CD
122.	Ethylenediaminetetraacetic acid, Trypsin-EDTA solution	bottle	2	30,000.00	RCFSD	
123.	qPCR Master Mix, cDNA Master Mix with gDNA remover	kit	1	80,000.00	RCFSD	30 CD
124.	qPCR Master 2X Mix, One-Step qRT-PCR Master Mix Kit	kit	1	80,000.00	RCFSD	
125.	Propanol, Isopropanol	bottle	2	27,400.00	PBBD	30 CD
126.	Sodium Dodecyl sulfate	bottle	2	3,000.00	PBBD	
127.	Acrylamide	bottle	20	300,000.00	PBBD	
128.	Temed	bottle	3	13,860.00	PBBD	60 CD
129.	Ammonium Persulfate, mol grade	bottle	2	7,405.20	PBBD	
130.	Ethylenediaminetetraacetic acid, EDTA, Disodium salt	bottle	2	12,540.00	PBBD	
131.	Sodium chloride	bottle	2	14,057.80	PBBD	
132.	Ethyl Alcohol	carbouy	5	13,310.00	PBBD	30 CD
133.	Chloroform	bottle	2	7,425.00	PBBD	
134.	Ammonium Persulfate	bottle	2	7,405.20	PBBD	60 CD
135.	Sodium Hydroxide	bottle	2	5,720.00	PBBD	30 CD
136.	Boric Acid	bottle	2	3,630.00	PBBD	
137.	Xylene Cyanol	bottle	2	14,000.00	PBBD	60 CD
138.	Tris Base	bottle	3	22,096.80	PBBD	
139.	Bromophenol blue	bottle	2	8,000.00	PBBD	

140.	Ethyl Alcohol	bottle	10	20,000.00	PBBD	30 CD
141.	DNA Ladder	bottle	20	100,000.00	PBBD	
142.	Taq DNA Polymerase	kit	15	375,000.00	PBBD	60 CD
143.	Dye	bottle	5	50,000.00	PBBD	30 CD
144.	PCR Master Mix	box	30	132,000.00	PBBD	60 CD
145.	Deoxynucleoside Triphosphate	set	10	52,850.00	PBBD	30 CD
146.	qPCR Master Mix	box	30	123,000.00	PBBD	

TOTAL ABC = P 5,543,098.84

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance <i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder’s statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i>
1	Fifteen (15) packs Microtubes 1.5 ml, autoclavable Certified RNase, DNase and Pyrogen-Free, flat-top cap design, frosted writing area and precise graduations, Boil-Proof, conical bottom, 500 pcs/pack	
2	Two (2) packs Metallic Beads Grinding Balls, Stainless Steel, 5mm, 1000 pcs/pack or 500g/pack	
3	One (1) pack Dry Rehydratable Film (E. coli/coliform), dry rehydratable or equivalent, 25s/pack	
4	One (1) pack Dry Rehydratable Film (Aerobic plate Count), dry rehydratable or equivalent, 100s/pack	
5	Two (2) pieces Magnetic Stirring Bar polygon shaped, autoclavable, coated with Teflon Polytetrafluoroethylene (PTFE) material,	

	50mm x 8mm	
6	Thirty-Five (35) packs Petri Dish standard 90mm x 15mm dish with lid, crystal clear glass, reusable, autoclavable, 10 pcs/pack	
7	Eighteen (18) packs Microtubes 2.0 ml , autoclavable Certified RNase, DNase and Pyrogen-Free, flat-top and snap cap design, frosted writing area and precise graduations, Boil-Proof, conical bottom, 500pcs./pack	
8	Eighteen (18) packs Microtubes 1.5 ml, autoclavable Certified RNase, DNase and Pyrogen-Free, flat-top and snap cap design, frosted writing area and precise graduations, Boil-Proof, conical bottom, 500pcs/pack	
9	Twelve (12) cases Pipette Tips Blue, (100-1000 ul) tips; universal tip, Beveled, non-sterile, made of polypropylene and are autoclavable, non-pyrogenic certified and RNase and DNase free, 1000 pcs/pack, 5 packs/case	
10	One (1) case Pipette Tips Yellow tips (10-100ul), 500 pcs/pack, 5 packs/case	
11	Six (6) bottles LB Broth Powder 500g/bottle, for microbiology grade	
12	Nine (9) bottles Agarose Low EEO, 500g/bottle , for electrophoresis With Safety Data Sheet (SDS)	
13	Fourteen (14) bottles Nucleic Acid Gel Stain, Nucleic Acid Staining Sol, 1ml 10000X, 0.5 ml- (roots team)	
14	Ten (10) carbouy Ethanol Technical grade, 95%, 20L/carbouy	
15	One (1) bottle Tris Base 500g/bottle Molecular biology grade With Safety Data Sheet (SDS)	

16	One (1) bottle Morpholinoethane sulfonic acid, monohydrate (MES) buffer 500g/bottle Appearance; White crystalline powder Purity (Titration); more than or equal to 99.0 % ULTRA PURE GRADE Solubility in water: To pass test (clear, colorless) less than or equal to 0.020 With Safety Data Sheet (SDS)	
17	Two (2) bottles Temed electrophoresis grade for molecular biology, greater than or equal to 99%, 100ml/bottle With Safety Data Sheet (SDS)	
18	Ten (10) bottles DNA Ladder 100bp, 100ng/ul 1x1ml, 13 gel lanes	
19	Three (3) bottles DNA Ladder 1Kb DNA ladder, 500uL volume Range: 100-10000bp 13 bands 100ug/ml concentration 13 gel lanes	
20	One (1) kit RNA isolation kit for plant sample 250 preps Kit contents: Lysis Buffer RA1-125mL Lysis Buffer RAP-125mL Wash Buffer RAW2- 80 mL Wash buffer RA3 (concentrate): 3x25mL membrane desalting buffer MDB- 125mL reaction buffer for rDNase-30mL rDnase, RNase-free (lyophilized)- 5 vials (size F) RNase-free H2O- 60 mL Filters (violet rings)250 RNA plant columns (light blue rings- plus Collection Tubes)- 250 Collection tubes (2mL)- 750 Collection tubes (1.5mL)- 250 User manual-1	
21	Three (3) kits Gel/PCR Purification Kit 50 reactions Features Up to 95% recovery of ready-to-use DNA Fast and convenient procedure Cleanup of DNA up to 10 kb Gel loading dye for convenient sample analysis	

	Combined kit for gel extraction and PCR cleanup	
22	Nine (9) sets Deoxynucleoside Triphosphate, dNTP solution set 100mm, 4x25umol dNTP set, 4x 100umol 4x4x250ul	
23	Twenty (20) Taq DNA Polymerase 500u Kit, 500units, 1x100ul Taq DNA polymerase , 4x1ml Taq reaction buffer	
24	Eight (8) bottles D-Glucose glucose ACS, 250g/bottle With Safety Data Sheet (SDS)	
25	One (1) bottle Ethylenediaminetetraacetic acid, EDTA Disodium salt molecular grade, 500g/bottle With Safety Data Sheet (SDS)	
26	One (1) bottle Nuclease-free water 500ml/bottle Molecular Biology Grade	
27	Five (5) bottles DNA Ladder 100bp, 100ng/ul 1x1ml Ready-to-use	
28	One (1) piece PCR clean-up, sample purification PCR and Gel DNA clean-up kit-200 preps	
29	Four (4) Deoxynucleoside Triphosphate, dNTP solution set, 100 mM each of dATP, dCTP, dGTP, and dTTP. Each vial contains 250 µL 25 µmol dNTP in purified water	
30	One (1) bottle Guanidine hydrochloride 100g/bottle Molecular Biology grade With Safety Data Sheet (SDS)	
31	Twenty (20) kits Taq DNA Polymerase 500U; 5U/ul; recombinant; with separate magnesium chloride (1x1000ul) and buffer (4x1ml)	
32	One (1) bottle MS Salt MS Salt Powder Plant Tissue Culture, 50L Murashige, Skoog Basal salt mixture (analytical grade) With Safety Data Sheet (SDS)	

33	Four (4) bottles Maltose, 1kg/bottle powder suitable for plant cell culture analytical grade, With Safety Data Sheet (SDS)	
34	Two (2) carbouy Ethyl Alcohol 20L/carbuoy technical grade, 95%	
35	One (1) bottle Diethylenetriaminepentaacetic acid Diethylene Triammine Penta acetic acid, 100 g, Analytical Grade With Safety Data Sheet (SDS)	
36	One (1) piece Zinc Standard, 1000ppm 500ml, for AAS Zn AAS standard, 1000 ppm With Safety Data Sheet (SDS)	
37	One (1) bottle Myo-inositol white, powder, >99% purity, 100g With Safety Data Sheet (SDS)	
38	One (1) kit cDNA synthesis kit contains random hexamer and oligo-dT primers, dNTPs, RNase Inhibitor, and Reverse Transcriptase; 250 reactions, expiration/shelf-life of at least 1 year upon delivery; frozen when transported	
39	Two (2) bottles Fetal Bovine Serum MolBio grade; 500 mL/bottle, heat inactivated, sterile filter, suitable for cell culture; Expiration/shelf- life of at least one year upon delivery, Reagents should be frozen liquid when transported With Safety Data Sheet (SDS)	
40	Six (6) bottles Minimum Essential Medium Eagle (MEM Alpha (α)) 500 mL/ bottle; Alpha Modification, With ribonucleosides, L-glutamine, deoxyribonucleosides and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture; expiration/shelf-life of at least one year upon delivery	
41	Six (6) bottles Dulbecco s Modified Eagle s Medium (DMEM)	

	500 mL/bottle; Low glucose; With 1000 mg/L glucose, L-glutamine, and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture, expiration/shelf-life of at least one year upon delivery	
42	Two (2) bottles Ethylenediaminetetraacetic acid, Trypsin-EDTA solution 500ml/bottle, suitable for cell culture experiment; With Safety Data Sheet (SDS)	
43	Three (3) bottles Temed 100ml/bottle for Polyacrylamide Gel Electrophoresis With Safety Data Sheet (SDS)	
44	Two (2) bottles Ammonium Persulfate For molecular biology, suitable for electrophoresis, ≥98%, 100g/bottle, mol grade With Safety Data Sheet (SDS)	
45	Two (2) bottles Ethylenediaminetetraacetic acid, EDTA, Disodium salt Molecular Biology Grade, Ultrapure For DNA Extraction 500g/bottle With Safety Data Sheet (SDS)	
46	Two (2) bottles Sodium chloride 500g/bottle, molecular grade With Safety Data Sheet (SDS)	
47	Two (2) bottles Ammonium Persulfate For molecular biology, suitable for electrophoresis, ≥98%, 100g/bottle, mol grade With Safety Data Sheet (SDS)	
48	Two (2) bottles Xylene Cyanol 50g/bottle, powder/crystal form, Dye content ≥75% With Safety Data Sheet (SDS)	
49	Three (3) bottles Tris Base ultrapure grade, 500mg/bottle With Safety Data Sheet (SDS)	
50	Two (2) bottles Bromophenol blue molecular grade, 500mg/bottle With Safety Data Sheet (SDS)	
51	Ten (10) bottles Ethyl Alcohol 1gal/bottle, 95%, technical grade	

52	Thirty (30) boxes PCR Master Mix 2x, 100 reactions, Includes Nuclease-Free water, premixed, ready to use solution containing Taq DNA Polymerase, dNTPs, MgC12 and reaction buffers (green color)	
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