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Department of Agriculture
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BSWM- BIDS AND AWARDS COMMITTEE SUPPLEMENTAL BID BULLETIN NO. 2

CONTRACT: Supply and Delivery of various Chemicals, Laboratory supplies, Microbiological Parameters and Certified and Quality Reference Materials for CY 2025 - IB No. BSWM 2025-02-032



This Addendum is being issued in accordance with Section 22.5.2 of the IRR of RA 9184, to clarify and modify some provisions of the Bidding Document. **THIS SHALL FORM AS AN INTEGRAL PART OF THE BID DOCUMENT.**

I. AMENDMENTS OF THE BIDDING DOCUMENT:

ORIGINAL	AMENDED
<p>Section I. Invitation to Bid</p> <p>1. The Bureau of Soils and Water Management (BSWM), through the General Appropriation Act (GAA) for CY 2025 and GAA 2024 intends to apply the sum of:</p> <p>Lot 1- Supply and Delivery of various Chemicals (ABC: PhP 8,006,770.00)</p> <p>Lot 2- Supply and Delivery of various Laboratory supplies (ABC: PhP 22,295,110.92)</p> <p>Lot 3- Provision of Certified Reference Material and Quality Reference Material (ABC: PhP 3,619,400.00)</p> <p>Lot 4 - Supply and Delivery of Various Controlled Chemicals (ABC: PhP 477,980.00)</p>	<p>Section I. Invitation to Bid</p> <p>2. The Bureau of Soils and Water Management (BSWM), through the General Appropriation Act (GAA) for CY 2025 and GAA 2024 intends to apply the sum of:</p> <p>Lot 1- Supply and Delivery of various Chemicals (ABC: PhP 8,004,270.00)</p> <p>Lot 2- Supply and Delivery of various Laboratory supplies (ABC: PhP 22,294,956.00)</p> <p>Lot 3- Provision of Certified Reference Material and Quality Reference Material (ABC: PhP 3,619,400.00)</p> <p>Lot 4 - Supply and Delivery of Various Controlled Chemicals (ABC: PhP 477,980.00)</p>
<ul style="list-style-type: none">• A complete set of Bidding Documents may be acquired by interested Bidders until February 26, 2025 3:00PM.• Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before February 27, 2025, 9:00AM. Late bids shall not be accepted.	<ul style="list-style-type: none">• A complete set of Bidding Documents may be acquired by interested Bidders until March 10, 2025 3:00PM.• Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below <u>on or before March 11, 2025, 9:00AM.</u> Late bids shall not be accepted.

ORIGINAL	AMENDED
<ul style="list-style-type: none">Bid opening shall be on February 27, 2025, 9:30AM at the BSWM Convention Hall, 2nd Floor, SRDC Bldg., Visayas Ave. Cor. Elliptical Road, Diliman, Quezon City and through videoconferencing/webcasting via ZOOM and streamed live through BSWM Procurement Service FB Page. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.	<ul style="list-style-type: none">Bid opening shall be on <u>March 11, 2025, 9:30AM</u> at the BSWM Convention Hall, 2nd Floor, SRDC Bldg., Visayas Ave. Cor. Elliptical Road, Diliman, Quezon City and through videoconferencing/webcasting via ZOOM and streamed live through BSWM Procurement Service FB Page. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
	<u>Revised Section VII. Technical Specifications for Lots 1 & 2</u> <u>(please refer to Annex A of this Bid Bulletin)</u>

For guidance and information of all concerned.

DENISE A. SOLANO
BAC Chairperson 


ANNEX A

REVISED SECTION VII. TECHNICAL SPECIFICATIONS

LOT 1: SUPPLY AND DELIVERY OF VARIOUS CHEMICALS

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
2025-00-0057	LSD		Provision of Chemical Filtering Supplies			
			NSHP			
			Water Chemistry Section			
		1	ELUENT SOLUTION Sodium Carbonate-Sodium Bicarbonate mixture, 500 mL/bottle Sodium carbonate (7.5) : sodium hydroxide (0.75), AR grade	5	Bottle	
		2	Diphenylamine, 500 g, AR grade	5	Bottle	
		3	Iron Powder, 99%, AR grade, 500 g	5	Bottle	
		4	Silver Nitrate, AR, 250g/bottle	5	Bottle	
		5	Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		6	Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		7	Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		8	Copper Standard(NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		9	Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		10	Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		11	Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	
		12	Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent , dissolved in ≤ 2% HNO3	2	Bottle	
		13	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis, 500ppm or equivalent, no formaldehyde content	2	Bottle	
		14	Standard metal solutions for ICP, NIST Traceable with COA, 500mL/bottle: Cu, Fe, Mn, Zn, Ca, Mg, Na, K, Pb, As, Hg, Cd, Ag, Cr, Ni, 500ppm or equivalent	2	Bottle	
		15	Nitrate Standard, AR, 500mL/btl, NIST Traceable with COA, 500ppm or equivalent	2	Bottle	

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
		16	orthophenanthroline 99%, AR grade, 25 g/bottle	1	Bottle	
		17	Titriplex V, 100g, AR Grade	5	Bottle	
		18	Aspartic Acid Standard for NC Analysis 10g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	
		19	Sulfanilamide Standard for NC Analysis 1-2g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	
		20	Vanadium Pentoxide, 1g, 90-99.9% Purity	5	Bottle	
		21	EC Conductivity Standard, NIST Traceable - 111.8 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	
		22	EC Conductivity Standard, NIST Traceable - 12880 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	
		23	EC Conductivity Standard, NIST Traceable - 1413 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	
		24	EC Conductivity Standard, NIST Traceable - 147 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	
		25	EC Conductivity Standard, NIST Traceable - 84 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	
			Water Test Kit			
		26	Ammonium molybdate, AR, powder, 500g/btl	20	Bottle	
		27	Potassium Antimony Tartate, AR, 500g/bottle	10	Bottle	
		28	Ascorbic acid, AR, 100g/bottle at least 1 year expiration date from date of delivery with certificate of analysis, safety data sheet, and expiry date/shelf life	15	Bottle	
		29	Sulphanilamide, AR, 50 g/btl	15	Bottle	
		30	N-(1-naphtyl)-ethylenediamine dihydrochloride (NED), AR, 100g/btl	15	Bottle	
		31	Zinc powder, 99.99%, AR, 10g/btl	10	Bottle	
		32	Zn wire reel, 1m, diameter 1.0mm, 99.99+%	3	Bottle	
		33	Silver Nitrate, AR, 250g/btl	10	Bottle	
		34	Sodium chloride, AR, 500g/btl	5	Bottle	
		35	Bromocresol Green, AR, 5g/btl	3	Bottle	
		36	Methyl Red, AR, 5g/btl	3	Bottle	
		37	Methyl Orange ACS reagent, Dye content 85 % 25g/btl	10	Bottle	
		38	Ethyl alcohol ACS spectrophotometric grade, 95.0% 1L/btl	5	Bottle	
		39	Phenolphthalein, AR, 500g/btl	5	Bottle	
		40	pH Buffer 7.00, 1L/btl, NIST Traceable, with COA	3	Bottle	
		41	pH Buffer 4.00, 1L/btl, NIST Traceable, with COA	3	Bottle	
		42	pH Buffer 10.00, 1L/btl, NIST Traceable, with COA	3	Bottle	
		43	Standard metal solutions in $\leq 2\%$ HNO ₃ for ICP, NIST Traceable with COA, 1000 ppm, 500mL/bottle: Cu, Fe, Mn, Zn, Ca, Mg, Na, K, Pb, As, Hg, Cd, Ag, Cr, Ni,	1	Bottle	

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
			500mL/bottle, 1000 ppm or equivalent			
		69	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis , 1000 ppm or equivalent, no formaldehyde content	2	Bottle	
		70	Nitrate Standard, AR, 500mL/btl, NIST Traceable with COA, 1000 ppm or equivalent	2	Bottle	
		71	Sodium hydroxide, flakes, 2 Kg/pack, Technical Grade	40	Bottle	
		72	Sodium Bicarbonate, AR, 500g/bottle	10	Bottle	
		73	Ammonium Acetate, AR 98%, 500g/bottle	10	Bottle	
		74	Ammonium Fluoride, AR grade, 500g/bottle	5	Bottle	
		75	Ammonium Sulfate, AR, 500g/bottle	5	Bottle	
		76	Copper sulfate pentahydrate, AR, 500g/bottle	10	Bottle	
		77	Ammonium Molybdate Tetrahydrate, AR, 500g, bottle	5	Bottle	
		78	Ascorbic Acid, 100g/bottle, AR	5	Bottle	
		79	Potassium Antimony Tartrate, AR, 500g/bottle	5	Bottle	
		80	Methyl Red, AR, 5g/bottle	5	Bottle	
		81	Bromocresol green, AR, 5g/bottle	5	Bottle	
		82	Boric Acid AR, 500g/bottle	10	Bottle	
		83	Activated Charcoal, AR, Phosphate-free, 1kg/bottle	10	Bottle	
		84	Ammonium metavanadate, AR, powder, 500g/bottle	1	Bottle	
		85	Ammonium hydroxide, conc., AR, 2.5 L/bottle	1	Bottle	
		86	Potassium chloride, AR, 500g/bottle	10	Bottle	
		87	Calcium Carbonate, 500g/bottle, AR	5	Bottle	
		88	Diethyltriaminepentaacetic acid (DTPA), AR, 100g/bottle	2	Bottle	
		89	Potassium Nitrate, AR, 500g/bottle	2	Bottle	
		90	Magnesium Chloride hexahydrate, 500g/bottle, AR	2	Bottle	
		91	Kjeltabs VCM, Content per tablet: 3.5g Potassium Sulfate and 0.1g Copper Sulfate, 1000pcs/box. Attached SDS/COA of item	2	Bottle	
		92	Sodium Nitrite, AR, 500g/bottle	20	Bottle	
		93	Ferrous Sulfate Heptahydrate, ACS reagent, ≥99%, 250g/bottle	6	Bottle	
		94	Barium Chloride dihydrate, AR, 500g/bottle	2	Bottle	
		95	Orthophosphoric Acid (Analytical/Lab Grade; Liquid; Odorless; Completely Miscible; 1.685 g/cm ³ density; >99% Purity), 2.5L/bottle	10	Bottle	
		96	Ethanol, technical grade, 95%, 20L/ carboy	20	Bottle	
		97	Triethanol amine, AR, 1 L/Bottle	10	Bottle	
		98	Ethanol AR ≥ 99% 2.5 L/bottle	30	Bottle	
		99	ICP-OES Standard - Arsenic in ≤ 2% HNO ₃ ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L As in nitric acid (nominal concentration), atleast 100 mL	1	Bottle	
		100	ICP-OES Wavelength Calibration Solution; 500 mL, contains 50 mg/L Al, As, Ba, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sr, Zn and 500 mg/L K in 2 %	3	Bottle	

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
			HNO3 with Certificate of Analysis & Material Safety Data Sheet			
		101	ICP-OES Standard - Aluminum ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		102	ICP-OES Standard - Boron ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		103	ICP-OES Standard - Barium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		104	ICP-OES Standard - Cadmium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		105	ICP-OES Standard - Calcium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	3	Bottle	
		106	ICP-OES Standard - Chromium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		107	ICP-OES Standard - Cobalt ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		108	ICP-OES Standard - Copper ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	2	Bottle	
		109	ICP-OES Standard - Iron ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	2	Bottle	
		110	ICP-OES Standard - Lead ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	
		111	ICP-OES Standard - Magnesium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	2	Bottle	
		112	ICP-OES Standard - Manganese ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	2	Bottle	
		113	ICP-OES Standard - Molybdenum ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in \leq 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
		114	ICP-OES Standard - Nickel ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in $\leq 2\%$ HNO ₃ (nominal concentration), atleast 100 mL	2	Bottle	
		115	ICP-OES Standard - Potassium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in $\leq 2\%$ HNO ₃ (nominal concentration), atleast 100 mL	2	Bottle	
		116	ICP-OES Standard - Sodium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L As in $\leq 2\%$ HNO ₃ (nominal concentration), atleast 100 mL	2	Bottle	
		117	ICP-OES Standard - Strontium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in $\leq 2\%$ HNO ₃ (nominal concentration), atleast 100 mL	1	Bottle	
		118	ICP-OES Standard - Zinc ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in nitric acid (nominal concentration), atleast 100 mL	2	Bottle	
		119	Aspartic Acid Standard for NC Analysis 10g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	
		120	Sulfanilamide Standard for NC Analysis 1-2g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	
		121	Set of 7 Soil Standards for Combustion Analysis NIST Traceable with Certificate of Analysis 30 g per Bottle (7 Bottles Total) Soil Parameters: Total Nitrogen (Combustion Method) Total Carbon (Combustion Method) Total Organic Carbon (Combustion Method)	2	Bottle	
		122	Ethylenediaminetetraacetic acid (EDTA), AR, 500g/bottle	2	Bottle	
		123	Ammonium Fluoride , AR grade, 98% 500 g/bottle	1	Bottle	
		124	Vanadium Pentoxide, 1g, 90-99.9% Purity	5	Bottle	
			RST			
		125	Bromocresol green, AR, 5g/bottle	5	Bottle	
		126	Chlorophenol Red Indicator, AR, 5g/bottle	5	Bottle	
		127	Bromothymol Blue Indicator, AR, 5g/bottle	5	Bottle	
		128	Ammonium Fluoride, AR grade, 500g/bottle	4	Bottle	
		129	Ammonium Molybdate Tetrahydrate, AR, 500g, bottle	10	Bottle	
		130	Boric Acid, AR, 500g/bottle, AR, 500g/bottle	10	Bottle	
		131	Sodium Nitrite, Extrapure, AR, 500g/bottle	30	Bottle	
		132	Sodium Cobaltinitrite, AR, 100g/bottle	10	Bottle	
		133	Ethanol, AR $\geq 95\%$ 2.5 L/bottle	50	Bottle	
		134	Ascorbic acid, AR $\geq 99\%$, 100g/bottle	10	Bottle	
		135	Potassium Antimony Tartate, AR $\geq 99\%$, 100g/bottle	10	Bottle	
2025-00-0058	SWR RD					

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
2025-00-0058	SWR RD	161	Triethanol amine, AR, 1 L/Bottle	1	Bottle	
		162	Ethanol AR ≥ 99% 2.5 L/bottle	2	Bottle	
		163	Ferrous Sulfate Heptahydrate, ACS reagent, ≥99%, 250g/bottle	3	Bottle	
2025-01-0180	LSD					
			Soil Chemistry			
		164	Barium Chloride dihydrate, AR, 500g/bottle	20	Bottle	
		165	Ethanol, AR Grade, purity ≥ 95% 4L/bottle	60	Bottle	
		166	Sodium Hydroxide, >=98%, pellets(anhydrous), 500 g/ bottle	10	Bottle	
		167	pH Buffer 2.00, 1L/btl, NIST Traceable, with COA	3	Bottle	
		168	L-lysine Monohydrochloride, with Certificate of Analysis AR/NIST Traceable , 100g/bottle	2	Bottle	
		169	Copper sulfate pentahydrate, AR, 500g/bottle	2	Bottle	
		170	Potassium Sulfate AR, >99%, 500g/bottle	3	Bottle	
		171	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis	2	Bottle	
		172	Diethyltriarninepentaacetic acid (DTPA), AR, 100g/bottle	4	Bottle	
		173	Ascorbic Acid, 100g/bottle, AR	10	Bottle	
			Soil Salinity			
		174	Magnesium Chloride hexahydrate, AR, 500g/bottle	2	Bottle	
		175	Potassium nitrate, AR, 500 g/bottle	2	Bottle	
		176	Sodium Sulfate, ACS, 99%, anhydrous, granular, 500 g/bottle	2	Bottle	
		177	Sodium acetate, 99%, 1 kg/bottle	2	Bottle	
		178	Gum acacia, AR, 500 g/bottle	2	Bottle	
		179	Barium chloride dihydrate, 500 g/bottle	2	Bottle	
		180	Acetic acid, AR grade,99%, 1 L, with SDS	2	Bottle	
		181	Sodium Carbonate, AR, 500g/btl, with SDS	2	Bottle	
		182	1000 ppm Chloride Standard, 500 mL/bottle, with Certificate of Analysis	2	Bottle	
		183	1000 ppm Sulfate Standard, 500 mL/ bottle with Certificate of Analysis	2	Bottle	
		184	Cesium Chloride, AR, 100 g with SDS	2	Bottle	
		185	Perchloric acid, 70% solution in water with SDS	2	Bottle	
			Water Chemistry Section			
		186	Barium Chloride dihydrate, AR, 500g/bottle with COA	10	Bottle	
			ELUENT SOLUTION			
		187	Sodium Carbonate-Sodium Hydroxide 20x (Supelco, 150 mM : 15 mM) mixture, 1 L/bottle	10	Bottle	
			Soil Microbiology			
		188	Rose Bengal Chloramphenicol Agar (RBC)	2	Bottle	
		189	Pikovskaya's Agar, 500g/bottle	2	Bottle	
		190	Yeast Mannitol Agar w/ 1.5% Agar 500G / bottle	2	Bottle	

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
		191	Ethanol 95% Technical Grade, 1 carboy	2	Drum	
		192	Plate Count Agar, 500g/bottle, pellets, pH 6.8 - 7.2	2	Bottle	
		193	Ethyl Alcohol 70% Spray 350mL	10	Bottle	
		194	Aleksandrow Agar 500g.	2	Bottle	
2025-01-0181	LSD		Provision of Chemical and Filtering Supplies-Laboratory Supplies			
			NSHP			
			BARMM			
		195	Acetic Acid, 2.5 L/bottle	2	bottle	
		196	Ammonium Acetate, AR, 500 g/bottle	2	bottle	
		197	Ammonium fluoride, NH ₄ F, 500 g/bot	2	bottle	
		198	Ammonium Molybdate, AR, 500 g/bot	2	bottle	
		199	Ammonium Sulfate, AR, 500 g/bottle	2	bottle	
		200	Amyl Alcohol, AR, 500 mL/bottle	2	bottle	
		201	Ascorbic Acid, AR, 100g/bottle	2	bottle	
		202	Boric Acid, AR, 500 g/bottle	2	bottle	
		203	Bromocresol Green, AR, 5 g/bottle	1	bottle	
		204	Bromthymol Blue, AR, 5 g/bottle	1	bottle	
		205	Calcium Chloride, 1000 g/bottle, AR	2	bottle	
		206	Calcium Chloride, AR, 1000 g/bottle	2	bottle	
		207	Charcoal; AR, Phosphate Free, 2kg/bottle	2	bottle	
		208	Chlorophenol Red, AR, 5 g/bottle	2	bottle	
		209	Compost Certified Reference Material (AgroMAT CP-1), 100g/bottle with Certificate of Analysis	3	bottle	
		210	Copper Sulfate, AR, 500 g/bottle	5	bottle	
		211	Diethylenetriaminepentacetic acid (DTPA), AR, 100 g/bottle	2	bottle	
		212	EC Standard: 147 and 1413 uS/cm at 25oC, NIST, 500 mL	2	bottle	
		213	Ethanol, AR, 2.5 L/bottle	5	bottle	
		214	Kjeltabs, Cu, AR, 1000 pcs/bottle	2	bottle	
		215	Lanthanum Oxide, AR, 100 g/bottle	8	bottle	
		216	Lysine, AR, 100 g/bottle	2	bottle	
		217	Methanol, AR, 2.5 L/bottle	2	bottle	
		218	NIST Traceable standard buffer solutions of pH 10, 1000 mL/bot with Certificate of Analysis	3	bottle	
		219	NIST Traceable standard buffer solutions of pH 4, 1000 mL/bot with Certificate of Analysis	3	bottle	
		220	NIST Traceable standard buffer solutions of pH 7, 1000 mL/bot with Certificate of Analysis	3	bottle	
		221	NIST Traceable standard buffer solutions of pH 9, 1000 mL/bot with Certificate of Analysis	8	bottle	
		222	Phosphorus Standard, NIST, 1000 mg/L, 250 mL/bottle, no formaldehyde content with Certificate of Analysis	4	bottle	

PR Number	End User	item no.	Item	Qty	Unit	Statement of Compliance
		223	Potassium Antimony Tartrate, AR, 100 g/bottle	2	bottle	
		224	Potassium Chloride, AR, 1000 g/bottle	4	bottle	
		225	Potassium Dichromate, AR, 1kg/bottle	3	bottle	
		226	Potassium Dihydrogen Phosphate (KH ₂ PO ₄), AR, 500 g/bottle	2	bottle	
		227	Potassium Standard, NIST, 1000 mg/L, 250 mL/bottle	4	bottle	
		228	Potassium Sulfate, AR, 500 g/bottle	4	bottle	
		229	Salicylic Acid, AR, 500 g/bottle	2	bottle	
		230	Silver Sulfate, Ag ₂ SO ₄ , AR, 500 g/bottle	2	bottle	
		231	Sodium Bicarbonate, AR, 500 g/bottle	2	bottle	
		232	Sodium Carbonate, AR, 500 g/bottle	2	bottle	
		233	Sodium hexametaphosphate, AR, 500 g/bottle	2	bottle	
		234	Sodium hexanitrocobaltate (III) (Na ₃ CO(NO ₂) ₆), AR, 500 g/bottle	2	bottle	
		235	Sodium Hydroxide Pellets, AR, 1000 g/bottle	4	bottle	
		236	Sodium Nitrite, AR, 500 g/bottle	2	bottle	
		237	Sodium Thiosulfate Pentahydrate, AR, 500g/bottle	2	bottle	
		238	Soil Certified Reference Material (AgroMAT AG-1), 100g/bottle with Certificate of Analysis	5	bottle	
		239	Sucrose, AR, 500 g/bottle	2	bottle	
		240	Triethanolamine (TEA), AR, 2.5 L/bottle	2	bottle	
		241	Tris(hydroxymethyl)aminomethane (THAM), NIST, 100g/bottle with Certificate of Analysis	1	bottle	
			Place of Delivery:			
			For Line item no. 195-220, 222-241 Regional Soils Laboratory-BARMM, MAFAR Extension Building, Sinsuat Ave, Brgy. Rosary Heights XIII, Cotabato City For line item no. 221: BSWM, Quezon City			

Lot 2: SUPPLY AND DELIVERY OF VARIOUS LABORATORY SUPPLIES

PR Numb er	End User	Ite m no.	Item	Quantity	Unit	Statement of Compliance
2025-00-0056	LSD		Provision of Chemical and Filtering Supplies-Laboratory Supplies			
			NSHP			
			RST			
		1	Magnetic Stir Bar, PTFE, length 30 mm, diameter 6mm (+/- 10%), cylindrical,	20	pcs	
		2	Magnetic Retriever Rod, PTFE, 450 mm x 10 mm	5	pcs	
		3	Laboratory Gloves, Nitrile, 100's/box, Medium	20	boxes	
		4	Laboratory spoon/spatula, Length 15.5 +/- 3 cm	10	pcs	
		5	Disposable face mask, Non-woven disposable face mask, with ear loop and tie on, about 2-4ply 50's/box	20	box	
		6	Test tube, 13mmx100mm, 100's/box	100	box	
		7	Tin wire >99.99% purity, diameter: 0.5mm, 500 g/roll	20	roll	
		8	Glass pipette, 2 mL, class AS with Calibration Certificate	6	pc	
		9	Glass pipette, 5 mL, class AS with Calibration Certificate	6	pc	
		10	Glass pipette, 10 mL, class AS with Calibration Certificate	6	pc	
		11	Graduated cylinder, 100 mL, Made of Type 1 Borosilicate glass; Class A Graduation with Calibration Certificate	2	pc	
		12	Graduated cylinder, 50 mL, Made of Type 1 Borosilicate glass; Class A Graduation with Calibration Certificate	3	pc	
		13	Graduated cylinder, 25 mL, Made of Type 1 Borosilicate glass; Class A Graduation with Calibration Certificate	3	pc	
		14	Bottle top dispenser, 10-100 mL, Laboratory Grade; Acid and Alkali Resistance; Double Valve (Safety Valve) to avoid the waste of solution;Equipped with multiple screw adapters, suitable for most reagent bottles	3	pc	
		15	Alcohol Burner Lamp Glas 6.2cmx4.2cm with plastic cap, 20 - 60 mL Capacity	1000	pc	
		16	Solution Bottles, Amber Bottle with shatter proof plastic coating, 1000 mL (e.g. PVC and/ or bubble wrap).	10	pc	
		17	Mobile Phase Filter Degasser Assembly, Glass, 300ml Reservoir, 1L Flask, Complete	2	Set	
		18	0.45 µm membrane type filter, 100/pack	2	pack	
		19	2 L polyethylene tubes/borosilicate glass amber bottle	10	pc	
		20	Solution bottles, opaque, squeezable, 30 ml, screw cap with printed label Text: CPR;Font Color: Black; Background color: Red	10000	pc	
		21	Solution bottles, opaque, squeezable, 30 ml, screw cap with printed label	10000	pc	



PR Numb er	End User	Item no.	Item	Quantity	Unit	Statement of Compliance
		57	Glassware Liquid Cleaner, Liquid, alkaline and phosphate-free concentrate Volume: 5 Liters Sequestering agent content (alkalimetric): 8.5-10% Density: 1.05-1.09 Free alkali (as NaOH): 1.5-2.5% Phosphate: ≤ 0.002% Inclusions: Safety Data Sheet (SDS), Certificate of Analysis (CoA)	5	pc	
		58	Pipette Tips (universal fits all brands of pipettor, 2-20 µL vol. cap., reusable; 1000pcs/pk)	5	pack	
		59	Pipette Tips (universal fits all brands of pipettor, 1-5 mL vol. cap., reusable; 1000pcs/set)	5	pack	
		60	Pipette Tips (universal fits all brands of pipettor, 1-10 mL vol. cap., disposable; 1000pcs/pk)	5	pack	
		61	Pipette Tip Rack (fits all 100-1000uL pipette tips, 1000pcs/pack)	3	pack	
		62	Tissue, Giant Roll Paper Tissue, 3ply, 225 x 214mm, 75pulls / 150sheets; 6 rolls/pack	20	pack	
		63	Digestion Tube, Standard Straight Digestion Tube, 100-150ml	20	pc	
		64	Digestion Tube, Standard Straight Digestion Tube, 200-250ml	20	pc	
		65	HDPE Carboy Square Bottle for waste storage, 5 Gal/20L capacity, white	20	pc	
		66	Laboratory Gloves, Nitrile, 100's/box, Small	20	box	
		67	Laboratory Gloves, Nitrile, 100's/box, Medium	20	box	
		68	Laboratory Gloves, Nitrile, 100's/box, Large	20	box	
		69	Polyethylene Terephthalate (PET) Bottles Capacity: 500 mL, Diameter 3.74 in; Height 3.81 in; Mouth Size: 3.62 in. opaque, color white.	300	pc	
		70	Tin Containers for CNS Analysis (set of 1000)	12	set	
		71	Pre-Packed Quartz Reactor for CNHS/NCS/S determination, 18mm	10	pc	
			Microbiology			
		72	Durham fermentation tubes, ≤50mm diameter, borosilicate glass Type 1 class A, 72pcs/pack	5	bottle	
		73	Polypropylene bags, 0.03 thickness, 6X12", 100 pcs per pack	10	Bottle	
		74	Pipette tip rack, 10mL	5	Bottle	
		75	Pipette tip rack, 5mL	5	Bottle	
		76	Stirring rod, borosilicate glass material, length: 300mm, diameter: 6mm, rounded ends	10	Bottle	
		77	Laboratory Funnel, Borosilicate Glass Type 1, Funnel Dia: 90-100 mm, Stem Length at least 90 mm	20	Bottle	
		78	Erlenmeyer flask, 50ml, Made of Type 1 Borosilicate glass with No. 2 rubber stopper	20	Bottle	
		79	Volumetric flask, 100ml, Made of Type 1 Borosilicate glass with fitted stopper; Class A Graduation with Calibration Certificate	5	Bottle	

PR Numb er	End User	Item no.	Item	Quantity	Unit	Statement of Compliance
		80	Volumetric flask, 50ml, Made of Type 1 Borosilicate glass with fitted stopper; Class A Graduation with Calibration Certificate	5	Bottle	
		81	Volumetric flask, 250ml, Made of Type 1 Borosilicate glass; Class A Graduation with Calibration Certificate	5	Bottle	
		82	Screw-cap test tube with fitted rubber-lined cap, borosilicate glass, type 1, Class A, 125-mm dia	50	Bottle	
		83	Jar with lid, clear glass, 1.8L	60	Bottle	
		84	Beaker, 50mL, glass	60	Bottle	
			Soil Physics			
		85	Laboratory Tray (Dim: 46 x 14 x 2; easy cleaning; Uniform 3/16" heavy wall construction for added rigidity; Standard color natural black or white)	15	pc	
		86	Soil Hydrometer, For soil, with code ASTM H152, with Certificate of Compliance and Traceability	10	pc	
		87	Multi-Purpose Plastic Tray, size: 39*30*7cm ,	15	pc	
		88	Graduated cylinder, 1000 mL, Made of Type 1 Borosilicate glass; Class A Graduation with Calibration Certificate	30	pc	
		89	Wash Bottle, 500 mL, opaque color	10	pc	
		90	Desiccant, Blue Indicating Molecular Sieve, reusable, mesh size:8x12mm, 2.2 kg/can	5	can	
		91	Magnetic Stir Bar (8mm x 28mm), PTFE Material	5	pc	
		92	Flexible Magnetic Stir Bar Retriever (60 cm), PTFE Material	3	pc	
		93	Weighing Boat, size: medium ; pack of 500, feature: Anti-static, approx: L: 85mm; W: 84mm; H: 24mm (dimensions are +/- 1 mm)	2	pack	
		94	Weighing Boat, size: medium ; pack of 500, feature: Anti-static, approx: 46mm; W: 46mm; H: 8mm (dimensions are +/- 2 mm)	3	pack	
		95	Plunger, brass, ,max weight:100g, Length: 24 inches perforated sheet diameter: 5cm hole diameter: 5mm MATERIAL: BRASS	10	pc	
		96	Moisture disc, small, for soil analysis, Height: 2.1 cm Inner Diameter: 5.1cm, With a lid, Material: Aluminum	150	pc	
		97	Perforated disc, For soil analysis, Inner diameter:4.9cm outer diameter: 5.1cm Sieve Diameter: 4.8cm Holes diameter: 0.2cm Height: 2.3cm top: 2.3cm bottom: 1cm material: brass	100	pc	
		98	Moisture Dish, Height: 3.5cm, Inner Diameter: 6.5cm, With a lid, Material: Aluminum, Flat-bottom, straight-side seamless, with tight fitting cover	150	PC	
		99	Shaking bottle, Capacity: 250 ml, Opaque wide mouth with screw cap, Polypropylene	350	pc	

PR Numb er	End User	Ite m no.	Item	Quantity	Unit	Statement of Compliance
		128	Volumetric flask, class A with stopper, 5L	5	pc	
2025-0 0-0058	SWRR D	129	Graduated Cylinder, 1000 mL, Borosilicate Glass class A	21	unit	
		130	Scrubbing pad Heay Duty Scrub Sponge 100mm x 70mm	10	pack	
		131	Disposable gloves (Large) 100pcs/box color blue, Nitrile	10	box	
		132	Disposable gloves (Medium) 100pcs/box color blue, Nitrile	10	box	
		133	Face mask Non-woven disposable face mask, with ear loop and tie on 3-4 ply, 50pcs	9	box	
		134	Interfolded paper towel 175 pulls	15	pack	
		135	Dishwashing liquid 790ml Water, Sodiun Lauryl Sulfate, C12-14-16 Dimenthly Amine Oxide, Sodium Chloride, PEI-14 PEG-10/PG-7 Copolymer, PPG-26, Phenoxyethanol, Cyclohexanediamine, Methylisothiazolinone.	5	Bottle	
		136	Digital Timer Timing Capacity: 99 hours, 59 minutes, 59 seconds Timing Accuracy:0.01% accuracy Resolution: 1 second Dimensions: 2"x1-1/2"x3/4" + 10% Additional Functions:Key chain/alarm Supplied With:key-chain, clip, magnet, opening for lanyard, battery, Traceable® Certificate	1	pc	
		137	Digital Thermohygrometer -Min/Max memory, memory clear, °F/°C switchable, 12/24-hour clock -At the touch of a button, memory recalls the highest and lowest temperature and humidity readings -0.01% accuracy Humidity Range: 20 to 90% RH Resolution: 1% RH Accuracy: ±5% RH mid-range to ±8% RH elsewhere Ambient Temperature Range: 32 to 122°F (0 to 50°C) Resolution: 0.1 % Accuracy: ±1°C Timing Capacity: 12/24 hrs Resolution: 1 minute	1	pc	
2025-0 0-0058	SWRR D	138	Alcohol, Ethyl 95% 20liters cap.	4	Carbo y	
		139	Interfolded paper towel 175 pulls	41	pack	
		140	Dishwashing liquid 790ml Water, Sodiun Lauryl Sulfate, C12-14-16 Dimenthly Amine Oxide, Sodium Chloride, PEI-14 PEG-10/PG-7 Copolymer, PPG-26, Phenoxyethanol, Cyclohexanediamine, Methylisothiazolinone.	25	Bottle	
		141	Scrubbing pad Heay Duty Scrub Sponge 100mm x 70mm	25	pack	

PR Numb er	End User	Item no.	Item	Quantity	Unit	Statement of Compliance
2025-01-0182	LSD		BARMM			
		163	Leaching Tubes with glass stopcock , 100 mL capacity,	54	set	
		164	Leaching Tube Rack, 6-hole	10	rack	
		165	Safety Shoes, chemical resistant, black, with strap, NIOSH approved	13	pair	
		166	500 mL HDPE bottles with Cap	350	bot	
		167	Nitrile Gloves	20	box	
		168	Plastic Bag, 10"x18", 003 Thickness, 100 pieces/pack	25	pack	
		169	N95 mask with ear loop	8	box	
		170	Filter paper no. 42	4	box	
		171	Parafilm	2	box	
		172	Laboratory Cart	2	set	
			Place of Delivery:			
			Regional Soils Laboratory-BARMM			
2025-01-0188	LSD	173	Wash Bottle, 500 mL, opaque color	10	pc	
		174	Disinfecting Wipes, at least 80 wet wipes/can, 473g	10	pc	
		175	Interfolded Paper Towel, 120pulls/pack	30	pack	
		176	KN95 Face Protective mask 5-ply, white 50 pcs./box	10	box	
		177	Face Mask Surgical 3-Ply, Disposable 50 pcs./box	30	box	
		178	Laboratory Gloves, Nitrile, 100's/box, Small	10	box	
		179	Laboratory Gloves, Nitrile, 100's/box, Medium	10	box	
		180	Laboratory Gloves, Nitrile, 100's/box, Large	10	box	
		181	Pro White hair net for clean room 100 pcs. / box	10	box	
		182	Pipette Tips (universal fits all brands of pipettor, 1-5 mL vol. cap., reusable; 1000pcs/set)	2	pack	
		183	Tissue, Giant Roll Paper Tissue, 3ply, 225 x 214mm, 75pulls / 150sheets; 6 rolls/pack	20	pack	
		184	Inoculation loop, made of platinum/iridium or nickel/chromium, 3mm loop diameter, 10 pcs. / pack	2	pack	
		185	Inoculating loop sterile disposable, approximately 10ul, 25 pcs / pack	10	pack	
		186	Ziplock, resealable clear bag, size #7, dimension 5.5x7.5 in, 100pcs/pack	5	pack	
		187	Waste Bin, 50 Liters, Black Bin, Blue Lid with pedal, no wheels	1	pc	
		188	Waste Bin, 50 Liters, Black Bin, Green Lid with pedal, no wheels	1	pc	
		189	Waste Bin, 50 Liters, Black Bin, Yellow Lid with pedal, no wheels	1	pc	
		190	Magnetic Stirrer mixing stir bar Rod 80 mm (3.15") x 10 mm cylinder shape coating Magnet white for Laboratory 1pc	1	pc	

PR Numb er	End User	Item no.	Item	Quantity	Unit	Statement of Compliance
		191	Magnetic Stir bar Retriever, 250 mm / 10 inch Steel core PTFE Chemical Resistant	2	pc	
		192	Magnetic Stirrer mixing stir bar Rod 100 mm (4") x 10 mm with ring shape coating Magnet white for Laboratory	1	pc	
		193	Silicone Oven Mitts Heat Resistant Oven Gloves with Non-Slip Waterproof Soft Lining Silicone Oven mitt 2PCS Black	3	pair	
		194	Clear Plastic Sando Bag PE Plastic Bag Takeout Plastic Bag small (22 x 32 x 12 cm) 50pcs./Bundle	10	pack	
		195	Clear Plastic Sando Bag PE Plastic Bag Takeout Plastic Bag Medium (24 x 42 x 14 cm) 50pcs./Bundle	10	pack	
		196	Clear Plastic Sando Bag PE Plastic Bag Takeout Plastic Bag Large (32 x 56 x 20 cm) 50pcs./Bundle	10	pack	
		197	Laboratory Tray Pan, rectangular, Stainless, 9"x13", can withstand heat of at least 150degC, scratch resistant, 2.5mm Thickness	4	pcs	
		198	Zero Scratch Scrub Dishwashing Sponges 3pcs./pack	10	pack	
		199	Bottle Brush Cleaner Set - Long Large Cleaing Brush for Narrow Neck Wine/Beer Bottles/ Flask/ Thermos/ Hummingbird Feeder/ Sport Well, Spout/Lid Brush, Straw Brush	3	Set	
		200	Antibacterial Hand Soap 750ml	5	pc	
		201	All Purpose Cleaner 2.5 Gallon / Multi Purpose Disinfectant Cleaner	10	pc	
		202	Scrub suit, top and pants, unisex, coordinate with end-user re sizing	15	pc	
		203	Heat Sealing Machine 12 Inch Impulse Sealer Machine for Plastic Bags PE PP Bags	2	pc	
		204	Autoclavable plastic bags (5.5"x 7.5") 100 pcs./ pack	5	pack	
		205	Glass Beaker with Handle, Beaker Mug with Pouring Spout, Double Graduated, 500ml (16.9oz/2.1cup)	4	pc	
		206	Sterile Disposable Petri Plates Optically clear, transparent, disposable petri plates, size: 90 mm diameter x 25 mm, 10pcs/pack	30	pack	
		207	Cotton-Tipped Applicator Sticks (Fine natural non-treated with chemicals, 6" wooden stem and 1/2" in diameter, 100% pure cotton tip)	10	box	
		208	400 mL Sterile Lab blender bag, transparent, preferably with easy pipette access, comes in at least 500 pcs per box	3	box	
		209	Bag rack stand, stainless steel or plastic rack stand for at least 10 Lab blender bag	2	pc	
			RST/Water Test Kit			
		210	Solution bottles, opaque, squeezable, 30 ml, screw cap with printed label background color:Maroon Text: IN1(al);Font Color:White;	2,500	pcs	

PR Numb er	End User	Item no.	Item	Quantity	Unit	Statement of Compliance
		227	Test Tube Brush Big Nylon bristle, galvanized wires, with tied tip	5	pc	
		228	Graduated leaching tube 100 -mL Capacity with stopcock	102	pc	
		229	6-placer Graduated leaching tube rack material: Wood	17	Pc	
		230	Conical centrifuge tube, 50 mL 50 pcs/pack	15	pack	
		231	Test tube rack, approx: L: 11 in., W: 4.25 in., H: 3.62 in., diameter (inner): 30 mm	10	Pc	
		232	Graduated Glass beaker, 600 mL, Type 1 Borosilicate	20	Pc	
		233	Graduated Glass beaker, 250 mL, Type 1 Borosilicate	30	pc	
		234	Graduated Glass beaker, 150 mL, Type 1 Borosilicate	30	pc	
		235	Graduated Glass beaker, 50 mL, Type 1 Borosilicate	10	pc	
		236	Graduated Glass beaker, 10 mL, Type 1 Borosilicate	10	pc	
		237	Graduated Glass beaker, 1000 mL, Type 1 Borosilicate	10	pc	
		238	Graduated Glass beaker, 2000 mL, Type 1 Borosilicate	5	pc	
		239	Graduated medicine cup, 30 mL, transparent/translucent, 100 pcs/pack Material: Polypropylene	1	pack	
		240	Soft-tipped bristle Flat brush, wooden handle. 50mm wide	5	pc	
		241	Graduated laboratory beaker with handle Material: Polypropylene Capacity: 5 Liters	10	pc	
		242	Wash bottle, 500 mL capacity. Material: LDPE. Narrow neck	20	pc	
		243	Volumetric flask, 50ml, Made of Type 1 Borosilicate glass with fitted stopper; Class A Graduation with Calibration Certificate	20	pc	
		244	Cotton roll, 100 gram per pack. Absorbent	10	pack	
		245	Volumetric flask, 100ml, Made of Type 1 Borosilicate glass with fitted stopper; Class A Graduation with Calibration Certificate	50	pc	
		246	Digestion tube round bottom vessel, 100 mL 24x 300 mm height; 30 cm inner diameter: 2.4 cm	100	pc	
		247	Erlenmeyer flask, 125ml, Made of Type 1 Borosilicate glass	200	pc	
		248	Mobile Phase Filter Degasser Assembly: 2 L receiving flask, glass Membrane holder, glass 500 mL Reservoir	1	pc	
		249	Nylon membrane filter, 47 mm, 0.2 micron pore size, 100 pcs/pk	10	pack	

PR Numb er	End User	Ite m no.	Item	Quantity	Unit	Statement of Compliance
		286	Polypropylene bags, 12x18 Polypropylene autoclavable bags, at least 0.018 thick (approx 100pcs/pack)	32.00	pack	
		287	Beaker, 2000 mL, plastic	32	pc	
		288	Spatula, White, Heavy duty Silicone, 11", Heat Resistant	32	pc	
		289	All Purpose Cleaner 2.5 Gallon / Multi Purpose Disinfectant Cleaner	32.00	pc	
		290	Bottle and cylinder brush, radial tip	32.00	pc	
		291	Beakers, 50ml, PET plastic	15.00	pc	

Lot 1- Supply and Delivery of various Chemicals

PR Number	End User	item no.	Item	Qty	Unit	MOOE	Total Cost
2025-00-0057	LSD		Provision of Chemical Filtering Supplies				
			NSHP				
			Water Chemistry Section				
		1	ELUENT SOLUTION Sodium Carbonate-Sodium Bicarbonate mixture, 500 mL/bottle Sodium carbonate (7.5) : sodium hydroxide (0.75), AR grade	5	Bottle	12,000.00	60,000.00
		2	Diphenylamine, 500 g, AR grade	5	Bottle	12,000.00	60,000.00
		3	Iron Powder, 99%, AR grade, 500 g	5	Bottle	6,000.00	30,000.00
		4	Silver Nitrate, AR, 250g/bottle	5	Bottle	18,000.00	90,000.00
		5	Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		6	Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		7	Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		8	Copper Standard(NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		9	Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		10	Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		11	Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		12	Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent , dissolved in $\leq 2\%$ HNO ₃	2	Bottle	6,000.00	12,000.00
		13	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis, 500ppm or equivalent, no formaldehyde content	2	Bottle	6,000.00	12,000.00
		14	Standard metal solutions for ICP, NIST Traceable with COA, 500mL/bottle: Cu, Fe, Mn, Zn, Ca, Mg, Na, K, Pb, As, Hg, Cd, Ag, Cr, Ni, 500ppm or equivalent	2	Bottle	24,000.00	48,000.00
		15	Nitrate Standard, AR, 500mL/btl, NIST Traceable with COA, 500ppm or equivalent	2	Bottle	8,400.00	16,800.00
		16	orthophenanthroline 99%, AR grade, 25 g/bottle	1	Bottle	36,000.00	36,000.00
		17	Titriplex V, 100g, AR Grade	5	Bottle	13,200.00	66,000.00
		18	Aspartic Acid Standard for NC Analysis 10g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	11,040.00	33,120.00
		19	Sulfanilamide Standard for NC Analysis 1-2g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	4,440.00	13,320.00
		20	Vanadium Pentoxide, 1g, 90-99.9% Purity	5	Bottle	3,000.00	15,000.00
		21	EC Conductivity Standard, NIST Traceable - 111.8 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	5,000.00	15,000.00

PR Number	End User	item no.	Item	Qty	Unit	MOOE	Total Cost
		84	Ammonium metavanadate, AR, powder, 500g/bottle	1	Bottle	13,000.00	13,000.00
		85	Ammonium hydroxide, conc., AR, 2.5 L/bottle	1	Bottle	3,000.00	3,000.00
		86	Potassium chloride, AR, 500g/bottle	10	Bottle	2,300.00	23,000.00
		87	Calcium Carbonate, 500g/bottle, AR	5	Bottle	4,500.00	22,500.00
		88	Diethyltriaminepentaacetic acid (DTPA), AR, 100g/bottle	2	Bottle	10,000.00	20,000.00
		89	Potassium Nitrate, AR, 500g/bottle	2	Bottle	2,500.00	5,000.00
		90	Magnesium Chloride hexahydrate, 500g/bottle, AR	2	Bottle	3,000.00	6,000.00
		91	Kjeltabs VCM, Content per tablet: 3.5g Potassium Sulfate and 0.1g Copper Sulfate, 1000pcs/box. Attached SDS/COA of item	2	Bottle	30,000.00	60,000.00
		92	Sodium Nitrite, AR, 500g/bottle	20	Bottle	3,000.00	60,000.00
		93	Ferrous Sulfate Heptahydrate, ACS reagent, ≥99%, 250g/bottle	6	Bottle	5,500.00	33,000.00
		94	Barium Chloride dihydrate, AR, 500g/bottle	2	Bottle	3,500.00	7,000.00
		95	Orthophosphoric Acid (Analytical/Lab Grade; Liquid; Odorless; Completely Miscible; 1.685 g/cm3 density; >99% Purity), 2.5L/bottle	10	Bottle	7,000.00	70,000.00
		96	Ethanol, technical grade, 95%, 20L/ carboy	20	Bottle	4,500.00	90,000.00
		97	Triethanol amine, AR, 1 L/Bottle	10	Bottle	15,000.00	150,000.00
		98	Ethanol AR ≥ 99% 2.5 L/bottle	30	Bottle	4,000.00	120,000.00
		99	ICP-OES Standard - Arsenic in ≤ 2% HNO3 ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L As in nitric acid (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00
		100	ICP-OES Wavelength Calibration Solution; 500 mL, contains 50 mg/L Al, As, Ba, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sr, Zn and 500 mg/L K in 2 % HNO3 with Certificate of Analysis & Material Safety Data Sheet	3	Bottle	95,040.00	285,120.00
		101	ICP-OES Standard - Aluminum ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00
		102	ICP-OES Standard - Boron ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00
		103	ICP-OES Standard - Barium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00
		104	ICP-OES Standard - Cadmium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00
		105	ICP-OES Standard - Calcium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	3	Bottle	4,440.00	13,320.00
		106	ICP-OES Standard - Chromium ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00
		107	ICP-OES Standard - Cobalt ICP Standard NIST Traceable with Certificate of Analysis, 1 g/L in ≤ 2% HNO3 (nominal concentration), atleast 100 mL	1	Bottle	4,440.00	4,440.00



PR Number	End User	item no.	Item	Qty	Unit	MOOE	Total Cost
			RST				0.00
		125	Bromocresol green, AR, 5g/bottle	5	Bottle	7,200.00	36,000.00
		126	Chlorophenol Red Indicator, AR, 5g/bottle	5	Bottle	7,380.00	36,900.00
		127	Bromothymol Blue Indicator, AR, 5g/bottle	5	Bottle	5,670.00	28,350.00
		128	Ammonium Fluoride, AR grade, 500g/bottle	4	Bottle	10,800.00	43,200.00
		129	Ammonium Molybdate Tetrahydrate, AR, 500g, bottle	10	Bottle	10,800.00	108,000.00
		130	Boric Acid, AR, 500g/bottle, AR, 500g/bottle	10	Bottle	3,960.00	39,600.00
		131	Sodium Nitrite, Extrapure, AR, 500g/bottle	30	Bottle	3,600.00	108,000.00
		132	Sodium Cobaltinitrite, AR, 100g/bottle	10	Bottle	14,400.00	144,000.00
		133	Ethanol, AR ≥ 95% 2.5 L/bottle	50	Bottle	6,300.00	315,000.00
		134	Ascorbic acid, AR ≥ 99%, 100g/bottle	10	Bottle	9,480.00	94,800.00
		135	Potassium Antimony Tartate, AR ≥ 99%, 100g/bottle	10	Bottle	11,700.00	117,000.00
Subtotal							5,398,570.00
2025-00-0058	SWRRD						
		136	Ammonium Floride AR grade, 50g/bottle	1	bottle	6,500.00	6,500.00
		137	Sodium Bicarbonate, AR, 500g/bottle	5	bottle	2,500.00	12,500.00
		138	Ascorbic Acid, 100g/bottle, AR	1	bottle	4,000.00	4,000.00
		139	Orthophosphoric Acid (Analytical/Lab Grade; Liquid; Odorless; Completely Miscible; 1.685 g/cm3 density; >99% Purity), 500ml/bottle	1	bottle	6,000.00	6,000.00
		140	Ammonium Molybdate Tetrahydrate, AR, 500g, bottle	1	bottle	4,000.00	4,000.00
		141	Diphenylamine ACS Reagent/AR 100g	1	bottle	5,000.00	5,000.00
		142	Calcium Chloride Dihydrate, ACS, 500g/bottle	1	bottle	3,000.00	3,000.00
		143	Salicylic Acid, AR, 500 g/bottle	1	bottle	4,000.00	4,000.00
		144	Cesium Chloride, 99.9 % 25 grams	1	bottle	9,000.00	9,000.00
		145	Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, ≥99% Powder, 100g/bottle	1	bottle	110,000.00	110,000.00
		146	pH Buffer Solution (NIST Traceable pH Buffer Solution with COA -pH 4.00 (colored buffer solution): 1L)	2	bottle	3,000.00	6,000.00
		147	pH Buffer Solution(NIST Traceable pH Buffer Solution with COA -pH 7.00 (colored buffer solution): 1L)	2	bottle	3,000.00	6,000.00
		148	pH Buffer Solution(NIST Traceable pH Buffer Solution with COA -pH 10.00 (colored buffer solution): 1L)	2	bottle	3,000.00	6,000.00
		149	Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00
		150	Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00
		151	Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00
		152	Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00
		153	Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00
		154	Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00
		155	Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00	6,000.00

PR Number	End User	item no.	Item	Qty	Unit	MOOE	Total Cost
		219	NIST Traceable standard buffer solutions of pH 4, 1000 mL/bot with Certificate of Analysis	3	bottle	5,000.00	15,000.00
		220	NIST Traceable standard buffer solutions of pH 7, 1000 mL/bot with Certificate of Analysis	3	bottle	5,000.00	15,000.00
		221	NIST Traceable standard buffer solutions of pH 9, 1000 mL/bot with Certificate of Analysis	8	bottle	5,000.00	40,000.00
		222	Phosphorus Standard, NIST, 1000 mg/L, 250 mL/bottle, no formaldehyde content with Certificate of Analysis	4	bottle	10,500.00	42,000.00
		223	Potassium Antimony Tartrate, AR, 100 g/bottle	2	bottle	4,500.00	9,000.00
		224	Potassium Chloride, AR, 1000 g/bottle	4	bottle	5,000.00	20,000.00
		225	Potassium Dichromate, AR, 1kg/bottle	3	bottle	15,000.00	45,000.00
		226	Potassium Dihydrogen Phosphate (KH2PO4), AR, 500 g/bottle	2	bottle	3,500.00	7,000.00
		227	Potassium Standard, NIST, 1000 mg/L, 250 mL/bottle	4	bottle	10,500.00	42,000.00
		228	Potassium Sulfate, AR, 500 g/bottle	4	bottle	3,500.00	14,000.00
		229	Salicylic Acid, AR, 500 g/bottle	2	bottle	3,500.00	7,000.00
		230	Silver Sulfate, Ag2SO4, AR, 500 g/bottle	2	bottle	19,500.00	39,000.00
		231	Sodium Bicarbonate, AR, 500 g/bottle	2	bottle	3,000.00	6,000.00
		232	Sodium Carbonate, AR, 500 g/bottle	2	bottle	3,500.00	7,000.00
		233	Sodium hexametaphosphate, AR, 500 g/bottle	2	bottle	3,500.00	7,000.00
		234	Sodium hexanitrocobaltate (III) (Na3CO(NO2)6), AR, 500 g/bottle	2	bottle	17,000.00	34,000.00
		235	Sodium Hydroxide Pellets, AR, 1000 g/bottle	4	bottle	5,000.00	20,000.00
		236	Sodium Nitrite, AR, 500 g/bottle	2	bottle	7,500.00	15,000.00
		237	Sodium Thiosulfate Pentahydrate, AR, 500g/bottle	2	bottle	3,500.00	7,000.00
		238	Soil Certified Reference Material (AgroMAT AG-1), 100g/bottle with Certificate of Analysis	5	bottle	35,000.00	175,000.00
		239	Sucrose, AR, 500 g/bottle	2	bottle	3,500.00	7,000.00
		240	Triethanolamine (TEA), AR, 2.5 L/bottle	2	bottle	9,500.00	19,000.00
		241	Tris(hydroxymethyl)aminomethane (THAM), NIST, 100g/bottle with Certificate of Analysis	1	bottle	110,000.00	110,000.00
			Place of Delivery:				
			For Line item no. 195-220, 222-241 Regional Soils Laboratory-BARMM, MAFAR Extension Building, Sinsuat Ave, Brgy. Rosary Heights XIII, Cotabato City For line item no. 221: BSWM, Quezon City				
Subtotal							1,314,500.00
GRAND TOTAL							8,004,270.00

LOT 1: SUPPLY AND DELIVERY OF VARIOUS CHEMICALS

PR Number	End User	item no.	Item	Qty	Unit	MOOE	CO	Total Cost
2025-00-0057	LSD		Provision of Chemical Filtering Supplies					
			NSHP					
			Water Chemistry Section					
		1	ELUENT SOLUTION Sodium Carbonate-Sodium Bicarbonate mixture, 500 mL/bottle Sodium carbonate (7.5) : sodium hydroxide (0.75), AR grade	5	Bottle	12,000.00		60,000.00
		2	Diphenylamine, 500 g, AR grade	5	Bottle	12,000.00		60,000.00
		3	Iron Powder, 99%, AR grade, 500 g	5	Bottle	6,000.00		30,000.00
		4	Silver Nitrate, AR, 250g/bottle	5	Bottle	18,000.00		90,000.00
		5	Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		6	Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		7	Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		8	Copper Standard(NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		9	Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		10	Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		11	Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle , 500ppm or equivalent, dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		12	Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 500ppm or equivalent , dissolved in ≤ 2% HNO3	2	Bottle	6,000.00		12,000.00
		13	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis, 500ppm or equivalent, no formaldehyde content	2	Bottle	6,000.00		12,000.00
		14	Standard metal solutions for ICP, NIST Traceable with COA, 500mL/bottle: Cu, Fe, Mn, Zn, Ca, Mg, Na, K, Pb, As, Hg, Cd, Ag, Cr, Ni, 500ppm or equivalent	2	Bottle	24,000.00		48,000.00
		15	Nitrate Standard, AR, 500mL/btl, NIST Traceable with COA, 500ppm or equivalent	2	Bottle	8,400.00		16,800.00
		16	orthophenanthroline 99%, AR grade, 25 g/bottle	1	Bottle	36,000.00		36,000.00
		17	Titriplex V, 100g, AR Grade	5	Bottle	13,200.00		66,000.00
		18	Aspartic Acid Standard for NC Analysis 10g per bottle, NIST Traceable with Certificate of Analysis	3	Bottle	11,040.00		33,120.00
		19	Sulfanilamide Standard for NC Analysis 1-2g per bottle, NIST Traceable with Certificate of	3	Bottle	4,440.00		13,320.00

PR Number	End User	item no.	Item	Qty	Unit	MOOE	CO	Total Cost
			Analysis					
		20	Vanadium Pentoxide, 1g, 90-99.9% Purity	5	Bottle	3,000.00		15,000.00
		21	EC Conductivity Standard, NIST Traceable - 111.8 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	5,000.00		15,000.00
		22	EC Conductivity Standard, NIST Traceable - 12880 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	5,000.00		15,000.00
		23	EC Conductivity Standard, NIST Traceable - 1413 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	5,000.00		15,000.00
		24	EC Conductivity Standard, NIST Traceable - 147 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	5,000.00		15,000.00
		25	EC Conductivity Standard, NIST Traceable - 84 uS/cm, with Certificate of Analysis (COA), 500 mL/bottle	3	Bottle	5,000.00		15,000.00
			Water Test Kit					0.00
		26	Ammonium molybdate, AR, powder, 500g/btl	20	Bottle	12,000.00		240,000.00
		27	Potassium Antimony Tartate, AR, 500g/bottle	10	Bottle	3,000.00		30,000.00
		28	Ascorbic acid, AR, 100g/bottle at least 1 year expiration date from date of delivery with certificate of analysis, safety data sheet, and expiry date/shelf life	15	Bottle	3,000.00		45,000.00
		29	Sulphanilamide, AR, 50 g/btl	15	Bottle	8,400.00		126,000.00
		30	N-(1-naphtyl)-ethylenediamine dihydrochloride (NED), AR, 100g/btl	15	Bottle	3,600.00		54,000.00
		31	Zinc powder, 99.99%, AR, 10g/btl	10	Bottle	27,600.00		276,000.00
		32	Zn wire reel, 1m, diameter 1.0mm, 99.99+%	3	Bottle	15,600.00		46,800.00
		33	Silver Nitrate, AR, 250g/btl	10	Bottle	3,600.00		36,000.00
		34	Sodium chloride, AR, 500g/btl	5	Bottle	6,960.00		34,800.00
		35	Bromocresol Green, AR, 5g/btl	3	Bottle	5,640.00		16,920.00
		36	Methyl Red, AR, 5g/btl	3	Bottle	4,440.00		13,320.00
		37	Methyl Orange ACS reagent, Dye content 85 % 25g/btl	10	Bottle	5,400.00		54,000.00
		38	Ethyl alcohol ACS spectrophotometric grade, 95.0% 1L/btl	5	Bottle	15,000.00		75,000.00
		39	Phenolphthalein, AR, 500g/btl	5	Bottle	3,360.00		16,800.00
		40	pH Buffer 7.00, 1L/btl, NIST Traceable, with COA	3	Bottle	6,960.00		20,880.00
		41	pH Buffer 4.00, 1L/btl, NIST Traceable, with COA	3	Bottle	6,960.00		20,880.00
		42	pH Buffer 10.00, 1L/btl, NIST Traceable, with COA	3	Bottle	6,960.00		20,880.00
		43	Standard metal solutions in $\leq 2\%$ HNO ₃ for ICP, NIST Traceable with COA, 1000 ppm, 500mL/bottle: Cu, Fe, Mn, Zn, Ca, Mg, Na, K, Pb, As, Hg, Cd, Ag, Cr, Ni,	1	Bottle	24,000.00		24,000.00
			Soil Physics Section					0.00
		44	Sodium Hexametaphosphate, AR, 500g/bottle	20	Bottle	3,000.00		60,000.00
		45	Sodium Citrate Tribasic Dihydrate, AR, 500g/bottle	10	Bottle	1,800.00		18,000.00
		46	Sodium Bicarbonate, AR, 500g/bottle	10	Bottle	3,000.00		30,000.00
		47	Sodium Dithionite, AR, 500g/bottle	10	Bottle	3,600.00		36,000.00
		48	Sodium Acetate, AR, 500g/bottle	10	Bottle	1,800.00		18,000.00
		49	Sodium Chloride, AR, 500g/bottle	10	Bottle	3,000.00		30,000.00

PR Number	End User	ite m no.	Item	Qty	Unit	MOOE	CO	Total Cost
		50	Amyl Alcohol, ≥99%, 1000ml/bottle	3	Bottle	7,200.00		21,600.00
			Soil Chemistry					0.00
		51	L-lysine Monohydrochloride, with Certificate of Analysis AR/NIST Traceable , 100g/bottle	2	Bottle	6,000.00		12,000.00
		52	Tris(hydroxymethyl)aminomethane (THAM), NIST Traceable with Certificate of Analysis, ≥99% Powder, 100g/bottle	2	Bottle	110,000.00		220,000.00
		53	Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle	2	Bottle	88,000.00		176,000.00
		54	NIST Traceable pH Buffer Solution pH 7.00 (yellow); 1L/bottle	2	Bottle	4,000.00		8,000.00
		55	NIST Traceable pH Buffer Solution pH 4.00 (pink); 1L/bottle	2	Bottle	4,000.00		8,000.00
		56	NIST Traceable pH Buffer Solution pH 10.00 (blue); 1L/bottle	2	Bottle	4,000.00		8,000.00
		57	EC Standard NIST Traceable with Certificate of Analysis, 84uS/cm, 500 ml/bottle	2	Bottle	5,000.00		10,000.00
		58	EC Standard NIST Traceable with Certificate of Analysis, 12.88mS/cm, 5bottle x60mL	2	Bottle	5,000.00		10,000.00
		59	EC Standard NIST Traceable with Certificate of Analysis, 147uS/cm, 500 ml/bottle	2	Bottle	5,000.00		10,000.00
		60	EC Standard NIST Traceable with Certificate of Analysis, 1413uS/cm, 500 ml/bottle	2	Bottle	5,000.00		10,000.00
		61	Iron Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent,	2	Bottle	5,000.00		10,000.00
		62	Manganese Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent,	2	Bottle	5,000.00		10,000.00
		63	Zinc Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent	2	Bottle	5,000.00		10,000.00
		64	Copper Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent	2	Bottle	5,000.00		10,000.00
		65	Calcium Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent	2	Bottle	5,000.00		10,000.00
		66	Magnesium Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent	2	Bottle	5,000.00		10,000.00
		67	Sodium Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent	2	Bottle	5,000.00		10,000.00
		68	Potassium Standard in ≤ 2% HNO3 (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000 ppm or equivalent	2	Bottle	5,000.00		10,000.00
		69	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis , 1000 ppm or equivalent, no formaldehyde content	2	Bottle	5,000.00		10,000.00
		70	Nitrate Standard, AR, 500mL/btl, NIST Traceable with COA, 1000 ppm or equivalent	2	Bottle	7,000.00		14,000.00
		71	Sodium hydroxide, flakes, 2 Kg/pack, Technical Grade	40	Bottle	2,500.00		100,000.00
		72	Sodium Bicarbonate, AR, 500g/bottle	10	Bottle	2,500.00		25,000.00
		73	Ammonium Acetate, AR 98%, 500g/bottle	10	Bottle	6,000.00		60,000.00
		74	Ammonium Fluoride, AR grade, 500g/bottle	5	Bottle	6,000.00		30,000.00

PR Number	End User	ite m no.	Item	Qty	Unit	MOOE	CO	Total Cost
			-pH 4.00 (colored buffer solution): 1L)					
		147	pH Buffer Solution(NIST Traceable pH Buffer Solution with COA -pH 7.00 (colored buffer solution): 1L)	2	bottle	3,000.00		6,000.00
		148	pH Buffer Solution(NIST Traceable pH Buffer Solution with COA -pH 10.00 (colored buffer solution): 1L)	2	bottle	3,000.00		6,000.00
		149	Calcium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		150	Magnesium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		151	Sodium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		152	Potassium Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		153	Iron Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		154	Manganese Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		155	Zinc Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		156	Copper Standard(NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	6,000.00		6,000.00
		157	Nickel Standard (NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	10,000.00		10,000.00
		158	Lead Standard(NIST Traceable with Certificate of Analysis), 500mL/bottle, 1000ppm	1	bottle	10,000.00		10,000.00
Subtotal								250,000.00
2025-0 0-0058	SWRRD	159	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis, 1000ppm	1	bottle	6,000.00		6,000.00
		160	Cadmium Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis, 1000ppm	1	bottle	10,000.00		10,000.00
Subtotal								16,000.00
2025-0 0-0058	SWRRD	161	Triethanol amine, AR, 1 L/Bottle	1	Bottle	15,000.00		15,000.00
		162	Ethanol AR ≥ 99% 2.5 L/bottle	2	Bottle	4,000.00		8,000.00
		163	Ferrous Sulfate Heptahydrate, ACS reagent, ≥99%, 250g/bottle	3	Bottle	5,500.00		16,500.00
Subtotal								39,500.00
2025-0 1-0180	LSD		Soil Chemistry					
		164	Barium Chloride dihydrate, AR, 500g/bottle	20	Bottle	3,500.00		70,000.00
		165	Ethanol, AR Grade, purity ≥ 95% 4L/bottle	60	Bottle	3,200.00		192,000.00
		166	Sodium Hydroxide, >=98%, pellets(anhydrous), 500 g/ bottle	10	Bottle	7,600.00		76,000.00
		167	pH Buffer 2.00, 1L/btl, NIST Traceable, with COA	3	Bottle	6,960.00		20,880.00
		168	L-lysine Monohydrochloride, with Certificate of Analyis AR/NIST Traceable , 100g/bottle	2	Bottle	6,000.00		12,000.00
		169	Copper sulfate pentahydrate, AR, 500g/bottle	2	Bottle	2,500.00		5,000.00
		170	Potassium Sulfate AR, >99%, 500g/bottle	3	Bottle	3,200.00		9,600.00

PR Number	End User	ite m no.	Item	Qty	Unit	MOOE	CO	Total Cost
		171	Phosphorus Standard, 500ml/bottle, NIST Traceable with Certificate of Analysis	2	Bottle	6,000.00		12,000.00
		172	Diethyltriaminepentaacetic acid (DTPA), AR, 100g/bottle	4	Bottle	10,000.00		40,000.00
		173	Ascorbic Acid, 100g/bottle, AR	10	Bottle	3,500.00		35,000.00
			Soil Salinity					
		174	Magnesium Chloride hexahydrate, AR, 500g/bottle	2	Bottle	9,000.00		18,000.00
		175	Potassium nitrate, AR, 500 g/bottle	2	Bottle	2,500.00		5,000.00
		176	Sodium Sulfate, ACS, 99%, anhydrous, granular, 500 g/bottle	2	Bottle	7,000.00		14,000.00
		177	Sodium acetate, 99%, 1 kg/bottle	2	Bottle	6,000.00		12,000.00
		178	Gum acacia, AR, 500 g/bottle	2	Bottle	2,500.00		5,000.00
		179	Barium chloride dihydrate, 500 g/bottle	2	Bottle	8,160.00		16,320.00
		180	Acetic acid, AR grade,99%, 1 L, with SDS	2	Bottle	11,000.00		22,000.00
		181	Sodium Carbonate, AR, 500g/btl, with SDS	2	Bottle	2,500.00		5,000.00
		182	1000 ppm Chloride Standard, 500 mL/bottle, with Certificate of Analysis	2	Bottle	4,000.00		8,000.00
		183	1000 ppm Sulfate Standard, 500 mL/ bottle with Certificate of Analysis	2	Bottle	5,500.00		11,000.00
		184	Cesium Chloride, AR, 100 g with SDS	2	Bottle	15,000.00		30,000.00
		185	Perchloric acid, 70% solution in water with SDS	2	Bottle	13,000.00		26,000.00
			Water Chemistry Section					
		186	Barium Chloride dihydrate, AR, 500g/bottle with COA	10	Bottle	3,500.00		35,000.00
		187	ELUENT SOLUTION Sodium Carbonate-Sodium Hydroxide 20x (Supelco, 150 mM : 15 mM) mixture, 1 L/bottle	10	Bottle	14,400.00		144,000.00
			Soil Microbiology					
		188	Rose Bengal Chloramphenicol Agar (RBC)	2	Bottle	19,200.00		38,400.00
		189	Pikovskaya's Agar, 500g/bottle	2	Bottle	15,000.00		30,000.00
		190	Yeast Mannitol Agar w/ 1.5% Agar 500G / bottle	2	Bottle	12,450.00		24,900.00
		191	Ethanol 95% Technical Grade, 1 carboy	2	Drum	11,500.00		23,000.00
		192	Plate Count Agar, 500g/bottle, pellets, pH 6.8 - 7.2	2	Bottle	14,000.00		28,000.00
		193	Ethyl Alcohol 70% Spray 350mL	10	Bottle	120.00		1,200.00
		194	Aleksandrow Agar 500g.	2	Bottle	8,200.00		16,400.00
Subtotal								985,700.00
2025-01-0181	LSD		Provision of Chemical and Filtering Supplies-Laboratory Supplies					
			NSHP					
			BARMM					
		195	Acetic Acid, 2.5 L/bottle	2	bottle	4,000.00		8,000.00
		196	Ammonium Acetate, AR, 500 g/bottle	2	bottle	2,500.00		5,000.00
		197	Ammonium fluoride, NH4F, 500 g/bot	2	bottle	13,500.00		27,000.00
		198	Ammonium Molybdate, AR, 500 g/bot	2	bottle	13,500.00		27,000.00
		199	Ammonium Sulfate, AR, 500 g/bottle	2	bottle	5,400.00		10,800.00
		200	Amyl Alcohol, AR, 500 mL/bottle	2	bottle	8,500.00		17,000.00
		201	Ascorbic Acid, AR, 100g/bottle	2	bottle	5,800.00		11,600.00
		202	Boric Acid, AR, 500 g/bottle	2	bottle	3,500.00		7,000.00

