



Republic of the Philippines  
Department of Agriculture  
**BUREAU OF SOILS AND WATER MANAGEMENT**  
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## BSWM- BIDS AND AWARDS COMMITTEE SUPPLEMENTAL BID BULLETIN NO. 1

### CONTRACT: Supply and Delivery of Various Technical Scientific Equipment for CY 2025 - IB No. BSWM 2025-02-033

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. Likewise, the succeeding agreements and reminders were discussed during the Pre-Bid Conference held last February 27, 2025, at the BSWM Convention Hall and via Videoconferencing-Zoom.**

#### I. AMENDMENTS OF THE BIDDING DOCUMENT:

ORIGINAL	AMENDED
Section I. Invitation to Bid <ul style="list-style-type: none"><li>IB NO: BSWM 2025-01-033</li></ul>	<b><u>Section I. Invitation to Bid</u></b> <ul style="list-style-type: none"><li><b>IB NO: BSWM 2025-02-033</b></li></ul>
<ul style="list-style-type: none"><li>A complete set of Bidding Documents may be acquired by interested Bidders until March 12, 2025 3:00PM.</li><li>Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before March 13, 2025, 9:00AM. Late bids shall not be accepted.</li><li>Bid opening shall be on March 13, 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.</li></ul>	<ul style="list-style-type: none"><li>A complete set of Bidding Documents may be acquired by interested Bidders until <b>March 17, 2025 3:00PM.</b></li><li>Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below <b><u>on or before March 18, 2025, 9:00AM.</u></b> Late bids shall not be accepted.</li><li><b>Bid opening shall be on <u>March 18, 2025, 9:30AM</u></b> 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.</li></ul>
<b><u>Section I. Invitation to Bid, Item 1.</u></b> 1. The Bureau of Soils and Water Management (BSWM), through the General Appropriation Act for CY 2025 and FY 2024 (Continuing) intends to apply the sum of:  Lot 1- Supply and Delivery of Various General Laboratory Equipment ABC: Php 11,336,300.00  Lot 2- Supply and Delivery of UV-Vis Spectrophotometer	<b><u>Section I. Invitation to Bid, Item 1.</u></b> 1. The Bureau of Soils and Water Management (BSWM), through the General Appropriation Act for CY 2025 and FY 2024 (Continuing) intends to apply the sum of:  <b>Lot 1- Supply and Delivery of Various General Laboratory Equipment ABC: Php 9,706,300.00</b>  Lot 2- Supply and Delivery of UV-Vis Spectrophotometer

ORIGINAL	AMENDED
<p>ABC: PhP 1,500,000.00</p> <p>Lot 3- Supply and Delivery of Various Sample Preparation Equipment ABC: PhP 10,000,000.00</p> <p>Lot 4- Supply and Delivery of Various Microbiological Laboratory Equipment ABC: PhP 9,970,000.00</p> <p>Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment ABC: PhP 25,695,000.00</p> <p>Lot 6- Supply and Delivery of CNS Analyzer ABC: PhP 7,000,000.00</p> <p>Lot 7- Supply and Delivery of Various Equipment for Calibration ABC: PhP 6,260,000.00</p> <p>Lot 8- Supply and Delivery of Various Environmental Monitoring and Field Equipment ABC: PhP 1,827,000.00</p>	<p>ABC: PhP 1,500,000.00</p> <p>Lot 3- Supply and Delivery of Various Sample Preparation Equipment ABC: PhP 10,000,000.00</p> <p>Lot 4- Supply and Delivery of Various Microbiological Laboratory Equipment ABC: PhP 9,970,000.00</p> <p><b>Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment ABC: PhP 12,695,000.00</b></p> <p>Lot 6- Supply and Delivery of CNS Analyzer ABC: PhP 7,000,000.00</p> <p><b>Lot 7- Supply and Delivery of Various Equipment for Calibration ABC: PhP 7,890,000.00</b></p> <p>Lot 8- Supply and Delivery of Various Environmental Monitoring and Field Equipment ABC: PhP 1,827,000.00</p> <p><b>Lot 9: Supply and Delivery of Core Sampler Set with sampling tubes ABC; PhP 13,000,000.00</b></p>
The Procurement Project (referred to herein as “Project”) is composed of <u>8 Lots</u> , the details of which are described in Section VII (Technical Specifications).	The Procurement Project (referred to herein as “Project”) is composed of <u>9 Lots</u> , the details of which are described in Section VII (Technical Specifications).
	<p><b><u>Section III. Bid Data Sheet, ITB Clause 10.</u></b></p> <p><b>Documents comprising the Bid: Eligibility and Technical Components</b></p> <ul style="list-style-type: none"> <li>Bidder shall attach <b>Certificate of Authorized or Exclusive Distributorship</b> as part of the Technical Proposal, as required in the Revised Section VII: Technical Specifications. (Refer to Annex B of this Bid Bulletin.)</li> </ul>
	<p><b>REITERATION</b></p> <p><b>Section III. Bid Data Sheet</b></p> <p>19.4. The Project shall be awarded as follows: One Project having several items per lot, that <b><u>shall be awarded per line-item basis.</u></b></p>

ORIGINAL			AMENDED
<b>Section VI. Schedule of Requirements</b>			<b>Revised Section VI. Schedule of Requirements</b> <i>(See Annex A of this Bid Bulletin)</i>
<b>Lot Number</b>	<b>Description</b>	<b>Delivered, Weeks/Months</b>	
	Lot 1- Supply and Delivery of Various General Laboratory Equipment	Within 60 calendar days upon receipt of NTP	
	Lot 2- Supply and Delivery of UV-Vis Spectrophotometer		
	Lot 3- Supply and Delivery of Various Sample Preparation Equipment		
	Lot 4- Supply and Delivery Various of Microbiological Laboratory Equipment		
	Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment		
	Lot 6- Supply and Delivery of CNS Analyzer		
	Lot 7- Supply and Delivery of Various Equipment for Calibration		
	Lot 8- Supply and Delivery of Various Environmental Monitoring and Field Equipment		
			<b>Revised Section VII. Technical Specifications</b> <i>(See Annex B of this Bid Bulletin)</i>

II.
 CLARIFICATIONS RAISED DURING PREBID CONFERENCE AND SENT VIA E-MAIL

CLARIFICATIONS	AGREEMENT
1. Would you allow aggregate contracts for the SLCC?	<b>No.</b>
2. <u>On Price Schedule for Imported Goods</u> <ul style="list-style-type: none"> <li>If the item will be imported from abroad, what price schedule form should we use?</li> <li>Concern on filling out the prescribed form <b>Price Schedule for Goods Offered from Abroad</b> considering even if the goods are yet to be delivered from abroad.</li> </ul>	<p>Bidders offering imported products to be supplied to the Philippines shall use the <b>Price Schedule for Goods Offered from Abroad</b>.</p> <p>Furthermore, may we refer you to the GPPB NPM No. 058-2015, regarding Price Schedule:</p> <p><i>“We wish to note that for bidders offering imported products to be supplied to the Philippines, the form to be used shall be the Price Schedule for Goods Offered from Abroad. For the purpose of determining the details to be filled-out therein, i.e. freight and insurance cost and other surcharges, among others, the bidder shall determine these details from the relevant government agencies and/or quotations from private business entities whose services it will engage.</i></p> <p><b>Accordingly, for bidder offering imported products, the form to be used by the bidder shall be the Price Schedule for Goods Offered from Abroad, even if the goods are yet to be delivered from abroad. In the determination of</b></p>



The computation of a prospective bidder's NFCC must be **at least equal to the ABC to be bid** or, for procurement by lot, **at least equal to the sum of all the ABCs of lots to which it participated.**

NFCC= Current assets minus current liabilities multiplied by 15 (constant factor) minus the value of all outstanding or uncompleted portions of on-going contracts, including awarded contract/s yet to be started, coinciding with the contract to be bid.

#### **Important Reminders:**

Supplier **shall coordinate with the End-user and Property Management Unit for the final schedule of delivery.**

To schedule the delivery, please click this link or scan the QR code:

<https://sites.google.com/view/pmu-scheduleofdelivery/home>



#### **Sealing and Marking of Bid:**

##### **The bidders shall submit:**

- ✓ One (1) ORIGINAL COPY.
- ✓ One (1) DUPLICATE COPY.
- ✓ One (1) PDF COPY in a USB – to be placed inside the Duplicate Copy of Technical Proposal and Duplicate Copy of Financial Proposal.

##### **NOTE:**

- All photocopied documents must be stamped and signed “Certified True Copy”.
- And all pages/documents must be duly signed by the authorized representative (both original and duplicate copies).
- For easy reference, all bidders are requested to provide dog-ear codes/ tabs in the presentation of their documents.
- **One (1) bid proposal for each lot participated in**, if applicable.

#### **Reminders:**

- Bidders responsibility to read, study, and review the Bidding Document and Bid Bulletin/s of the procurement project.
- Further clarification/s on the Bidding Document shall be in writing and must be submitted 10 days before the Opening of Bids.
- All bidders who wish to join the bidding shall download the attached document from PhilGEPS website to be included in the Document Request List (DRL).
- Bidders may download the updated Bidding Forms at GPPB Website (<https://www.gppb.gov.ph/downloadables.php> ).
- In case of withdrawal of submitted bid, a letter stating their intention to withdraw from the project should be submitted by the bidder not later than the scheduled deadline of submission and opening of bids.
- Bidders declared to have the Lowest/ Single Calculated Bid will be subject for Post-qualification.
- Bidder shall submit the additional requirements listed on the NOTICE as LCB/ SCB within five (5) calendar days from receipt of Notice for Post qualification. Non-compliance can be grounds for post-disqualification.

- Winning Bidders declared to have the Lowest/Single Calculated and Responsive Bid shall submit its Performance Bond and Signed Contract Agreement within ten (10) calendar days from receipt of Notice of Award. Non-compliance can be grounds for forfeiture of award.
- Bidders shall comply **STRICTLY** with Section VI. Schedule of Requirement

**Note:**

NO EXTENSION shall be accepted/ entertained except on meritorious grounds. Late delivery without approved extension request shall be liable for liquidation damages in accordance with Section 3.1 Annex D of RA 9184.

Letter of extension shall be received by the BAC Secretariat before the lapse of the original delivery requirement.

**Clause 4. Section II. Instruction to Bidders: Corrupt, Fraudulent, Collusive, and Coercive Practices**

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

For guidance and information of all concerned.

**DENISE A. SOLANO**

BAC Chairperson 



ANNEX A

Revised 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.

Lot Number/Description	Delivered, Weeks/Months	Delivery Location
Lot 1- Supply and Delivery of Various General Laboratory Equipment	Within 90 calendar days upon receipt of NTP	BSWM Central Office - Diliman Quezon City
Lot 2- Supply and Delivery of UV-Vis Spectrophotometer		BSWM Central Office - Diliman Quezon City
Lot 3- Supply and Delivery of Various Sample Preparation Equipment		BSWM Central Office - Diliman Quezon City
Lot 4- Supply and Delivery of Various of Microbiological Laboratory Equipment		16 Regional Soil Laboratory*, 3 Research Centers (Tanay, Bulacan, Bukidnon), and BSWM Quezon City
Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment		BSWM Central Office - Diliman Quezon City
Lot 6- Supply and Delivery of CNS Analyzer		BSWM Central Office - Diliman Quezon City
Lot 7- Supply and Delivery of Various Equipment for Calibration		BSWM Central Office - Diliman Quezon City
Lot 8- Supply and Delivery of Various Environmental Monitoring and Field Equipment		BSWM Central Office - Diliman Quezon City

\*Please refer to Revised Section VII. for the address of Regional Soil Laboratory



ANNEX A

REVISED SECTION VII. TECHNICAL SPECIFICATIONS

*Note: 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.]*

**Note: State the Model/Brand for Evaluation purposes.**

Lot 1- Supply and Delivery of Various General Laboratory Equipment

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0051	LSD	NSHP			
			Horizontal Reciprocating shaker	3	units	
			Specifications:			
			Motor DC 250W			
			Shaking type : Horizontal/vertical			
			Speed 0~350 rpm			
			Stroke 40 mm			
			Timer 0~60 min.			
			Control Step-less speed adjust system			
			Size: minimum 430 x 430 x 580 mm			
			Weight (kg): minimum 59			
			Funnel holder (ml x pcs) : 100 x 6 200 x 6 300 x 4 500 x 4 1000 x 3			
			with accessories:			
			Funnel Holder 100ml up to 1000ml			
			Triangular Flask Holder			
			Centrifuge Tube Holder			
			Test Tube rack Holder			
			with 3 years warranty			
			with PMS and service visits within warranty period			
			with ISO 17025 Calibration Certificate			
			with Local Training for end-users			
			with Training at end-user's site using the same model of equipment for 2 pax or more			
			Delivery Site: BSWM Central Office			
2	2025-00-0051	LSD	Top Loading Balance	2	units	
			Capacity: maximum 620g			
			Readability: 0.01g			
			Repeatability: 0.01g			





Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Range: -2.00 to 16.00 pH			
			Resolution: 0.1/0.01/0.001 pH			
			Accuracy: ±0.002			
			Cal. Points: Up to 5			
			Buffer Sets: NIST Buffer 4.00, 7.00, 10.00, 12.45, 1.68 500 mL per bottle with CoA (NIST Traceable)			
			Temperature			
			Range (Meter): 0.0 to 100.0 °C / 32.0 to 212.0 °F			
			Resolution: 0.1 °C / 0.1 °F			
			Accuracy: ±0.3 °C / ±0.5 °F			
			Compensation: ATC			
			Power Requirements: 9-20 V DC adapter, 1.3 A			
			(100/240 VAC, SMPS)			
			Accessories:			
			Integral Electrode Holder & 100/240 VAC Adapter			
			pH Electrodes, ATC probe			
			4, 7, 10 pH buffer standards			
			ISO Calibration Certificate			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
6	2025-00-0051	LSD	<b>EC meter</b>	1	unit	
			Specifications:			
			Conductivity			
			Range: 0.050 µS to 500.0 mS			
			Resolution: 0.01 / 0.1 µS ; 0.001 / 0.01 / 0.1 mS			
			Accuracy: ±1 % full scale			
			Cal. Points: Up to 5			
			Cell Constant: 0.010 to 10.000			
			Temperature			
			Range (Meter): 0.0 to 100.0 °C / 32.0 to 212.0 °F			
			Resolution: 0.1 °C / 0.1 °F			
			Accuracy: ±0.3 °C / ±0.5 °F			
			Coefficient (Per °C): Linear & pure ; 0.000 to 10.000 %			
			Normalization: 15.0 to 30.0 °C / 59.0 to 86.0 °F			
			Compensation: ATC			
			Power Requirements: 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)			
			Inclusions:			
			EC Electrodes			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			EC buffer standards  111.8 uS/cm 12880 uS/cm 1413 uS/cm 147 uS/cm 84 uS/cm with COA (NIST Traceable) 500 mL per bottle			
			ISO Calibration Certificate			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
7	2025-00-0052	LSD	<b>Variable Volume Pipettor</b>	37	pcs	
			Specifications:			
			Volume: 1000-10,000 µl			
			Chemically resistant			
			Adjustable, interchangeable, easy-grip ejector			
			Volume can be adjusted from the thumbwheel or the plunger button			
			Fully Autoclavable			
			Interior is made of plastic polymer or from corrosion resistant material.			
			with carousel, 1000 pipette tips per unit			
			with ISO/IEC 17025 Calibration Certificate			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
8	2025-00-0052	LSD	<b>Vortex Mixer</b>	40	pc	
			Specifications:			
			<b>Construction material: zinc alloy and technopolymer/ Aluminum cast ion / ABS plastic housing material or equivalent</b>			
			<b>Support system: 4-8 anti-sliding feet</b>			
			<b>Orbital diameter: 4.0-4.5 mm</b>			
			<b>Speed setting: analog (knob)</b>			
			<b>Speed control: analog (knob)/DC motor</b>			
			Speed: up to 3000 rpm			
			Operating modes: touch, continuous			
			<b>Electronic protection degree CEI EN 60529: IP32- 42</b>			
			<b>Power (max): 6-15 W</b>			
			<b>Weight (min): 2.7-6.5 Kg</b>			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
9	2025-00-0052	LSD	<b>Bottletop Dispenser</b>	30	pc	
			Specifications:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Capacity: 5-50 mL			
			<b>Subdivision/Graduation: 1mL</b>			
			Accuracy: <= +/-0.5%			
			<b>Precision/Coefficient Variation: &lt;= 0.1%</b>			
			with container bottle and adapters			
			with recirculation and discharge valve			
			with 1 year warranty on parts and services			
			with ISO/IEC 17025 Calibration Certificate			
			Delivery Site: BSWM Central Office			
10	2025-00-0052	LSD	<b>Digital Titrator</b>	30	pc	
			Specifications:			
			Nominal Volume: 50 mL			
			<b>Accuracy in % (±): 0.02-0.06%</b>			
			<b>Accuracy in µl (±): 30-100 µl</b>			
			<b>Coefficient of variation (%): 0.01-0.02 %</b>			
			<b>Coefficient of variation in µl: 10-50 µl</b>			
			Accessories:			
			telescoping filling tube			
			recirculation tube			
			batteries			
			3 PP bottle adapters (GL 45/32, GL 45/S 40, GL 32/NS 29/32)			
			2 amber colored light shield inspection windows			
			Operation Manual, performance certificate			
			with 1 year warranty on parts and services			
			with ISO/IEC 17025 Calibration Certificate			
			Delivery Site: BSWM Central Office			
11	2025-00-0052	LSD	<b>Magnetic Stirrer</b>	12	pc	
			Specifications:			
			Stirring quantity max. per stirring position (H2O): 20 L			
			<b>Speed display set-value: LCD/LED (digital)</b>			
			<b>Speed control: Turning knob/stirrer knob</b>			
			<b>Speed range: 30±20 - 1500±500 rpm</b>			
			<b>Setting accuracy speed: 1-10 rpm</b>			
			<b>Heat output: 600-1000 W</b>			
			<b>Heat control: Turning knob (Temp button /heater knob)</b>			
			<b>Temperature setting range: up to 350°C or higher</b>			
			Voltage: 220-230 / 115 / 100 V			
			Frequency: 50/60 Hz			
			<b>Power input: up to 1050 W</b>			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) subject to change considering software compatibility			
			Storage: at least 500GB M.2 PCIe NVMe SSD			
			Memory: at least 16GB, DDR4 (upgradable)			
			Operating System: Windows 10/11 Pro subject to change considering software compatibility			
			MS Office: Microsoft Office 2021 (license)			
			Printer specifications:			
			Can print up to Legal size (8.5 x 14 in), color, black			
			Can copy and scan up to A4 size, color, black			
			Has wireless capability			
			Has mobile printing capability			
			Print speed: Black - up to 8 ppm; Color - up to 5 ppm			
			Print quality: Black - up to 1200 x 1200 dpi; Color - up to 4800 x 1200 dpi			
			Copy speed: Black - up to 5 cpm; Color - up to 3 cpm			
			Copy resolution: up to 300 x 300 dpi			
			Scan resolution: up to 1200 dpi			
			Paper handling: Input - up to 60 sheets; Output - up to 25 sheets			
			Connectivity: Hi-speed USB; Built-in WiFi 802.11 b/g/n			
			200 - 240 VAC"			
			Accessories included:			
			UV software			
			AVR (compatibel with the system)			
			With End-User training ( No. of pax: At least 2 pax) using the same brand and model of the offered equipment conducted by Authorized Representative/s of the Manufacturer with venue at manufacturer's training facility			
			<b>One (1) year warranty on parts and repair services with Authorized or Exclusive Distributorship Certificate</b>			
			<b>Free PMS for three (2) years inclusive of PM kits, consumables, and replacement of lamps within prescribed period with authorized or exclusive distributorship</b>			
			Delivery Site: BSWM Central Office			

Lot 3- Supply and Delivery of Various Sample Preparation Equipment

Item No.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0051	LSD	Plant Tissue Grinder	20	units	
			Specifications:			
			Sample size: 10mm with large inlet/funnel up to 40mm			
			Grinding rate/time: Appr. 4 g/s or more			
			Grinding speed: Impeller minimum of 10,000 rpm			
			Particle size: 0.3-2mm			
			Safety: Microswitch, motor brake or equivalent			
			Power Supply: 200-240 V			
			Power consumption: 500-1100 W			
			with complete accessories: 1 pc large sample inlet 5 pc screens - to cover 0.3 - 2mm 1 set - glass sample bottles 1 set - dust collection materials 1 set - grinding rings 1 set - impellers (aluminum)			
			with Validation Certificate or quality check certificate from manufacturer with Authorized or Exclusive Distributorship Certificate			
			with 1-2 year warranty on parts and services			
			Delivery sites:			
			16 RSLs (Please refer to the delivery address) 3 Research Centers (Tanay, Bulacan, Bukidnon), and BSWM Quezon City			
			RSLs Delivery Address			
			CAR - BPI Compound, Guisad, Baguio City			
			RSL I- Aguila Road, Sevilla Norte, City of San Fernando, La Union			
			RSL II - San Gabriel, Tuguegarao City, Cagayan			
			RSL III - Diosdado Macapagal Government Center, Barangay Maimpis, City of San Fernando, Pampanga			
			RSL IV-A - Lipa Agricultural Research and Experiment Station (LARES), Marauoy, Lipa City, Batangas			
			RSL IV-B - "J.P. Rizal Street, Barangay Camilmil, Calapan City, Oriental Mindoro			
			4th Floor, ATI Building, Elliptical Road, Diliman, Quezon City"			
			RSL V - San Agustin, Pili, Camarines Sur			
			RSL VI - DA-WESVIARC, Hamungaya, Brgy. Buntatala, Jaro, Iloilo			
			RSL VII - DA-RFO 7 Complex, Highway Maguikay, Mandaue City, Cebu			
			RSL VIII - Kanhuraw Hill, Tacloban City, Leyte			
			RSL IX - Lenienza, Pagadian City, Zamboanga			





Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Includes benchtop shaking incubator with standard platform equipped of flexible springs that can accommodate many type of flasks, tubes with different sizes Temperature: up to 60degrees Speed: up to 300 rpm			
			Inclusions: - with 1 year warranty on parts and services - User training for machine operations at Manufacturer's site (2pax) - Starter plates consumables and accessories good for 100 tests for AST - 1-2 sets of Culture Media and Reagents for Salmonella and Ecoli Testing - Customized Plates for ID and AST (Staggered delivery) a.) ASSECAF (Gram Neg AST1)- 50 kits b.) ASSECB (Gram Neg AST2)- 30 kits c.) ASEN (Gram Pos AST)- 50 Kits d.) GNID (Gram Neg ID)- 50 kits e.) GPID (Gram Pos) ID- 50Kits			
			<b>Laptop/PC desktop</b> compatible to AST software Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) or higher Storage: at least 500GB M.2 PCIe NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Operating System: Windows 10 or higher MS Office: Microsoft Office 2021 (license)			
			Glass pH combination Electrode (20 pcs)  Material: Lead free Glass with Built-in Temperature Compensation Sensor: Junction: Ceramic Reference: Long-Life Electrolyte: 3M KCL Length: 120mm Diameter: 12mm Membrane Shape:cylindrical Membrane Resistance: <150MΩ Range: 0 to 14 pH Temp. Range: -5 to 100°C (23 to 212°F) Connector: BNC			
			<b>with Authorized or Exclusive Distributorship Certificate</b>			
			Delivery Site: BSWM Central Office			
2	25-00-005	LSD	<b>Compound Microscope</b>	1	unit	
			Specifications:			
			Observation Method: Brightfield, Darkfield			
			Optical System: Infinity optical system			
			Illumination System: Built-in transmitted illumination system, fixed Köhler illumination, LED lamp			
			Eyepiece: 10x, 20mm, antifungal			
			Focusing: Stage height movement (coarse movement stroke: 15 mm ), Stroke per rotation for coarse adjustment knob: 36.8 mm, Focusing stopper, Torque adjustment			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 µm)			
			Objectives: Infinity Plan achromat, anti-fungal, 4X, 10X, 40X, 100X			
			Revolving nosepiece manual with standard (4-5 positions)			
			Manual stages with right-hand control built-in X:76mm, Y:52mm			
			Condenser: Abbe condenser NA 1.25 with oil immersion (4X-100X)			
			Inclusions: - Microscope Cover, Manual & Power Cord - 8-9in screen tablet (at least 128gb storage) with compatible keyboard - with trinocular head, compatible camera (12MP or above) and camera adapter - consumables for 50-100 microscope specimens (immersion oil, microscope slides, slide storage box, cover slips, gram staining kit, staining rack and NIST traceable slider micrometer) - with 1 year warranty on parts and services - training for at least 2 end users			
			Delivery Site: BSWM Central Office			
3	25-00-005	LSD	<b>Automated Colony Counter</b>	2	units	
			Specifications:			
			<u>Software &amp; Analysis</u> Colony Counting Accuracy: ≥98% Counting Modes: Fully automatic with manual control to add and subtract colonies and can differentiate colonies by color, shape, and size Data Export format: CSV, Excel, PDF, LIMS connectivity <b>User Interface: Touchscreen-compatible with intuitive controls or computer controlled</b> <b>Connectivity: USB, Wi-Fi, and LIMS connection ready</b>			
			Operation: Power Supply: 220-240V AC, 50/60Hz Operating Temperature: up to 35°C Compatible Petri Dish Sizes: 55 mm to 90 mm diameter			
			In compliance with 21 CFR Part 11 and adheres to international standards for microbiological testing such as ISO 7218, AOAC 977.27 or equivalent			
			Inclusion: - software for automatic colony counting - compatible ink tank printer with 1-2 ink bottle per color (black, cyan, magenta, yellow) - at least 3 validation plates and conformity certificate - 3 year warranty on parts, services and software updates - user training for machine operation at manufacturer's site (at least 2 pax)			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Laptop compatible to automated counter software Processor: Intel i5, 2.8 GHz Quad-Core or higher Storage: at least 500GB M.2 PCIe NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Operating System: Windows 10 or higher MS Office: Microsoft Office 2021 (license)			
			<b>with Authorized or Exclusive Distributorship Certificate</b>			
			Delivery Site: BSWM Central Office			
4	25-00-005	LSD	<b>Microbial Air Sampler</b>	1	unit	
			Specifications:			
			Airflow rate: at least 100L/min			
			Flexible adjustment of volume flow and the sample volume			
			Rotating plate holder with adjustable rotation speed			
			Adjustable timer with delayed activation mode			
			Rechargeable battery			
			Replaceable attachment			
			Can be use for 90mm petri plates			
			Inclusion: Accessories and consumables such as battery charger, compatible stainless steel heads and plates Traceable Calibration Certificate at least 1 year warranty for parts and services User training for machine operation (at least 2 pax)			
			Delivery Site: BSWM Central Office			
5	25-00-005	LSD	<b>Homogenizer (Laboratory Blender)</b>	1	unit	
			Specifications:			
			Suitable for mixing of solid and liquid sample			
			Suitable for volume sample sizes from 50ml to 400ml			
			Adjustable timer settings:1-99 mins 59 sec or continuous operation			
			<b>Adjustable speed that can attain both 400rpm and 600rpm</b>			
			Electricity: 220-240V (50-60Hz)			
			Inclusion: Power Cable, homogenizing rack and 500 standard homogenizing bags at least 3 year warranty for parts and services			
			Delivery Site: BSWM Central Office			

Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0051	LSD	Sieve Shaker	1	unit	
			Specifications:			
			Sieve Diameter: 3-4 inches			
			Sieve Set: ASTM No. 10 (2.0mm) No. 18 (1.0mm) No. 35 (500 µm) No. 60 (250 µm) No. 140 (106 µm) No. 270 (53 µm)			
			with cap and pan with 3-4 inches			
			with Digital and adjustable timer and vibrating intensity			
			Sieving time: capable 1-99 minutes with 0.1 sec accuracy			
			compact and quite			
			Power supply: 220 V (120 V with transformer),60 Hz 1ph			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
2	2025-00-0051	LSD	Particle Size Analyzer (Laser Diffraction)	1	unit	
			Specifications:			
			measure particle size distributions from 10nm up to 3.5mm			
			Auto-alignment before every measurement			
			sequential combination of measurements with red and blue light sources to measure across the entire particle size			
			Include Soil Texture Software capable of identifying the type of soil classes and sand fraction automatically; aligned with USDA Soil Textural Classification (bidder to provide application note to the end user)			
			Main System Specifications			
			Particle size distribution: Suspensions, emulsions, dry powders			
			Principle: Laser light scattering			
			Analysis: Mie and Fraunhofer scattering			
			Data acquisition rate: 10 kHz			
			Typical measurement time: 5-25 sec			
			Optics			
			Red light source: Max. 4mW He-Ne, 632.8nm			
			Blue light source: Max Nominal 10mW LED, 470nm			
			Lens arrangement: Reverse Fourier (convergent beam)			
			Effective focal length: max 300mm			
			Size			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Particle size: 10nm - 3.5mm			
			Number of size classes: atleast 100 (user adjustable)			
			Precision / Repeatability: Better than 0.5% variation			
			Reproducibility: Better than 1% variation			
			<b>Software</b>			
			Enables an operating mode that assists with ER/ES compliance			
			System compliance			
			Laser class: Class 1, IEC60825-1:2007 and CFR Chapter I: Sub-chapter]: Part 1040 (CDRH)			
			Regulatory : Designed to meet RoHS and WEEE requirements CE / FCC / ICE5-003 / VCCI compliant and Designed to meet C-Tick			
			<b>System</b>			
			Supply voltage: 100/240V, 50/60Hz			
			Product storage temperature: -20°C to +50°C (non-condensing)			
			Operational temperature range: +5°C to +40°C (non-condensing)			
			<b>Accessories :</b>			
			<b>1 unit Wet Sample Dispersion unit</b>			
			Compatible with 600mL and 1000mL laboratory beakers			
			40W in-line sonication probe, for rapid agglomerate dispersion			
			Dip-in centrifugal pump and stirrer design			
			Chemically compatible with a wide choice of organic and inorganic dispersants			
			Full software control of pump / stirrer and sonication			
			Integral sample tank light			
			Pump speed range : 0-3500 rpm			
			Pump speed resolution : +/- 10 rpm			
			Pump speed accuracy : +/- 50 rpm			
			Maximum flow rate : 1.7L/min			
			Materials in contact with sample : 316 stainless, Borosilicate glass, Tygon, FKM (cell seal only - FFKM available), PTFE, PEEK, Titanium Nitride			
			Standards: NIST traceable glass beads			
			<b>Inclusions:</b>			
			1 set Tygon tubes			
			1 set Lens			
			1 unit Desktop PC with printer			
			Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) subject to change considering software compatibility			
			Storage: at least 500GB M.2 PCIe NVMe SSD			
			Memory: at least 16GB, DDR4 (upgradable)			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Operating System: Windows 10/11 Pro subject to change considering software compatibility			
			MS Office: Microsoft Office 2021 (license)			
			Printer specifications:			
			Can print up to Legal size (8.5 x 14 in), color, black			
			Can copy and scan up to A4 size, color, black			
			Has wireless capability			
			Has mobile printing capability			
			Print speed: Black - up to 8 ppm; Color - up to 5 ppm			
			Print quality: Black - up to 1200 x 1200 dpi; Color - up to 4800 x 1200 dpi			
			Copy speed: Black - up to 5 cpm; Color - up to 3 cpm			
			Copy resolution: up to 300 x 300 dpi			
			Scan resolution: up to 1200 dpi			
			Paper handling: Input - up to 60 sheets; Output - up to 25 sheets			
			Connectivity: Hi-speed USB; Built-in WiFi 802.11 b/g/n			
			200 - 240 VAC"			
			1 unit Automatic voltage regulator			
			1 unit Top loading balance			
			Capacity : 1200g			
			Readability : 0.01g			
			Linearity : ±0.02 g			
			ISO 13320:2020 guide or equivalent latest version			
			5 bottles (500g) of Soil Reference Material with Certificate of Analysis			
			<b>Installation &amp; Training :</b>			
			On site installation and commissioning by factory-trained engineer and local operational training by application specialist			
			With End-User training for two (2) pax using the same brand and model of the offered equipment conducted by Authorized Representative/s of the Manufacturer with the venue at the training facility			
			with Training at end-user's site using the same model of equipment for 2 pax or more			
			<b>Warranty :</b>			
			One (1) year on parts and two (2) years on service from the date of installation which include preventive maintenance during warraty period			
			<b>with Authorized or Exclusive Distributorship Certificate</b>			
			<b>Delivery :</b>			
			Supplier shall submit an Authorization Certificate from the Manufacturer or the			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			authorized sole distributor of the same brand in the Philippines			
			Delivery Site: BSWM Central Office			
	2025-00-0051	LSD	<b>Aggregate Stabilizer</b>	3	units	
			Specifications:			
			Application: Wet Seiving Method			
			8 sieve cups with diameter: 39x39mm and sieve surface of 10.2 cm			
			16 Stainless steel sieve cans diameter 64x45 mm with mouth-fitted lids			
			Inclusions:			
			Sieve sets <b>(ASTM)</b> : No. 10, 20, 40, 60, 120, 200			
			100-240 VAC 50/60Hz adapter			
			Maximum number of Samples: 8			
			Measuring range: 0-100%			
			Power supply: 220 V,60 Hz 1ph			
			with Local Training for end-users			
			Delivery Site: BSWM Central Office			
4	2025-00-0051	LSD	<b>MIXER MILL</b>	1	unit	
			Specifications:			
			Voltage: 230 VA, 60 Hz			
			Dimension: 21 in. (53 cm) x 22 in. (56 cm) x 14 in. (36 cm)			
			Weight: 80 lbs. (36 kgs)			
			Clamp Speed: 1060 cycles/minute (115 V) or 875 cycles/minute (230 V) . Alternate pulley supplied with 230V model for 1060 cpm operation			
			Motor: 1/3 hp, 1725 RPM @ 60 Hz			
			Clamp Movement: 2 1/3 in. (5.9 cm) back-and-forth, 1 in. (2.5 cm) side-to-side			
			CE Approved: Yes			
			Accessories included: Tungsten Carbide Vial Set 55 mL vial set, 2 1/4 in. diam. x 2 1/2 in. long (5.7 cm x 6.35 cm). Tungsten carbide-lined body, 2 tungsten carbide-lined aluminum caps, two 7/16 in. (11.2 mm) tungsten carbide balls and 8 corprene gaskets.			
			Features: 1. Steel housing protects the clamp mechanism and rugged construction ensures a long life of heavy work. 2. Forced air cooling fan. 3. Equipped with safety interlock system for operator protection. 4. Shock-mounted electric motor for tabletop operation. 5. Clamp swings back-and-forth with a short lateral "figure-8" movement. 6. Timer is factory-set for 100-minute range. Optional chip is available to			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			<b>2 sets - Standards for combustion analysis inclusive (NIST traceable) - Set of 7 soil standards Contains 1 of each of the following B2176, B2180, B2182, B2184, B2186, B2188, B2189 and Soil NC Reference Material</b>			
			5 bottles of Vanadium Pentoxide, 1g, 90-99.9% Purity			
			2 BBOT STANDARD CHNS (2 g)			
			2 set - Kit 1000 Analyses CHNS / NCS / S with Pre-packed Quartz Reactor contains the following: -Tin Containers Megabox (set of 1000) -Quartz Wool (5 g) -Magnesium Perchlorate (Anhydrone) (100 g)(only for NCS/S det.) -Vanadium Pentoxide (1 g) -Pre-Packed 18 mm OD Quartz Reactor CHNS/NCS/S			
			<b>1 set - Kit for Total Organic Carbon (TOC), includes: • Silver sample containers (set of 100) • Sample holder plate • Electric heater • Syringe 100 uL (function with or without syringe)</b>			
			<b>Soft Silver Containers for CNS Analysis (Set of 1000)</b>			
			1 unit - Microbalance  Balance required: Microbalance Max capacity: 1.2 g / 3.1 g Readability: 0.001 mg / 0,01 mg Repeatability at nominal (sd): 0.001 mg / 0.006 mg Typical Repeatability: (200 mg): 0.0008 mg Linearity deviation (test load): 0.02 mg (0.5 g) Minimum weight (200 mg, K=2, U=1): 0.2 mg Typical setting time: <8 sec			
			1 set –complete accessories for CNS Analyzer including spare o-rings, sample holder, cleaning device/ash removal for quartz reactor and crucible , forceps, spatula, and others that are essential for operation and CNS analysis			
			<b>5 sets - Helium Gas (UHP Grade) with tank</b>			
			<b>3 sets - Oxygen Gas (UHP Grade) with tank</b>			
			<b>2 units - Gas Lines(provision for 10 meters or more)</b>			
			Desktop PC unit with printer and UPS			





Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Type K Thermometer : -100 to 1300 oC, oC/oF.			
			Type J Thermometer : -100 to 1200 oC, oC/oF.			
			Data hold, Record ( Max., Min. ).			
			Complete set with two probes : Hot wire anemometer probe and Humidity/Temp. probe.			
			RS232/USB computer interface.			
			with ISO/IEC 17025 Calibration Certificate			
			Training for End user			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
3	2025-00-0051	LSD	<b>Tachometer</b>	2	units	
			Specifications:			
			Laser Photo & contact tachometer in one meter			
			Fast sampling time for low contact RPM measurement, automatic reverse display.			
			Photo Tach. : 10 to 99,999 RPM			
			Contact Tach. : 0.5 to 19,999 RPM.			
			Surface speed : m/min, ft/min.			
			with complete standard accessories			
			with ISO/IEC 17025 Calibration Certificate			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
4	2025-00-0051	LSD	<b>Distance Meter</b>	2	units	
			Specifications:			
			Measurement Range: 2" to 330ft (0.05 to 100m)			
			Accuracy: ±0.08" (±2mm)			
			Resolution: 0.0", 0.00ft, 0.000m			
			Area calculation: 99,999ft <sup>2</sup> , 99,999m <sup>2</sup>			
			Volume calculation: 99,999 ft <sup>3</sup> , 99,999 m <sup>3</sup>			
			with ISO/IEC 17025 Calibration Certificate			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
5	2025-00-0051	LSD	<b>Precision Thermohygrometer</b>	1	unit	
			Specifications:			
			Operating Range: 32 to 122°F (0 to 50°C); 0% to 100% RH			
			Temperature Accuracy: ±0.125°C from 16 to 24°C			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			RH Accuracy: $\pm 1.5\%$ RH from 20 to 70% RH			
			Resolution: User selectable up to 0.01% on front-panel display (0.1% recorded)			
			with ISO/IEC 17025 Calibration Certificate			
			Training for End user			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
6	2025-00-0051	LSD	<b>Metrology Instruments (Mass Calibration Reference Standards)</b>	1	unit	
			Specifications			
			4 units - Class F1 Test Weights			
			Material: 304 Stainless Steel			
			Level: Class F1			
			Weight range: 1mg-1kg			
			Package Contents:			
			25pcs Weights			
			1x 1000g			
			1x 500g			
			2x 200g			
			1x 100g			
			1x 50g			
			2x 20g			
			1x 10g			
			1x 5g			
			2x 2g			
			1x 1g			
			1x 500mg			
			2x 200mg			
			1x 100mg			
			1x 50mg			
			2x 20mg			
			1x 10mg			
			1x 5mg			
			2x 2mg			
			1x 1mg			
			1x Plastic Tweezer			
			1x Wood or Aluminum Alloy Case			
			1x Cleaning Cloth			
			with ISO/IEC 17025 Calibration Certificate			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
7	2025-00-0052	LSD	<b>IR and Contact Thermometer</b>	30	pcs	
			Temp Range			
			Infrared: -50°C to 1600°C (-58°F to 2912°F)			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Thermocouple: -50°C to 800°C (-58°F to 1472°F)			
			Temp Resolution: 0.1°C (0.1°F)			
			Optical Resolution: 20:1/30:1/ 50:1 Distance to Spot Size Ratio			
			Emissivity: Adjustable 0.10 to 1.00			
			Laser Power: Class 2 (<1mW)			
			Power: 9V battery (included), auto power off after 7sec., lock feature			
			with ISO/IEC 17025 Calibration Certificate			
			Delivery Site: BSWM Central Office			
8	2025-00-0052	LSD	<b>Test Weights (Class F1)</b>	40	pcs	
			Material: 304 Stainless Steel			
			Level: Class F1			
			Product Weight: 6.6 lbs / 3 Kg			
			Weight range: 1mg-1kg			
			Package Contents:			
			25pcs Weights			
			1x 1000g			
			1x 500g			
			2x 200g			
			1x 100g			
			1x 50g			
			2x 20g			
			1x 10g			
			1x 5g			
			2x 2g			
			1x 1g			
			1x 500mg			
			2x 200mg			
			1x 100mg			
			1x 50mg			
			2x 20mg			
			1x 10mg			
			1x 5mg			
			2x 2mg			
			1x 1mg			
			1x Plastic Tweezer			
			1x Aluminium Alloy Case			
			1x Cleaning Cloth			
			with ISO/IEC 17025 Calibration Certificate			
			Delivery Site: BSWM Central Office			
3	2025-00-0051	LSD	<b>Thermohygrometer (with Barometer)</b>	30	units	
			Specifications:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Measures ambient temperature, relative humidity and atmospheric or barometric pressure			
			Displays measurement values in real time on the large LCD screen			
			Saves recorded data to the included SD card as an Excel-compatible .XLS file			
			Offers selection of pressure units: hPa, mmHg or inHg			
			Features a low battery indicator			
			Allows measurement quota to be freely adjusted			
			Easy to use with large keys and a user-friendly interface			
			Comes with a solid, protective carrying case			
			Manufacturer calibrated			
			with ISO/IEC 17025 calibration certificate			
			Temp: 16, 20, 24 deg C			
			RH: 30, 40, 50, 60			
			Training for End user			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
4			Digital Thermohygrometer <b>with Probe</b> -With "In and Out" readings -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	10	pc	
			Delivery Site: BSWM Central Office			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
5			Digital Thermo hygrometer -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	10	pc	
			Delivery Site: BSWM Central Office			

Lot 8- Supply and Delivery of Various Environmental Monitoring and Field Equipment

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0052	LSD	Datalogger	3	pc	
			Specifications:			
			Data logger with GSM mobile communication ready			
			5 channels for temperature/humidity sensors; 15 channels for solenoid valve			
			1 channel for solar radiation sensor			
			1 extra channel			
			Memory approx. 35000 readings			
			heavy duty logger assembly			
			download cable			
			battery operated with extra batteries, manual and warranty			
2	2025-00-0052	LSD	Automatic Rain Gauge	1	pc	
			Specifications:			
			Tipping Bucket Type with Datalogger/recording raingauge, and wired display			
			Range up to 9.99" of rain (1/100" or 0.01 each tip of the bucket			
			Dimension 8" diameter collector			
			Battery operated rain logger with 1-minute time/date stamp resolution			
			data can be displayed in text and graphical formats			
			60 ft wire cable, USB cable, software, manual and service warranty			
3	2025-00-0052	LSD	Solar Radiation (Pyranometer)	1	pc	
			Specifications:			
			10V~30V DC			
			Spectral range of 0.3~3micrometer			
			Measuring range 0-2000W/sq m			
			Resolution 1W/sq m; accuracy +/- 3%			
			Working condition -40°C~60°C			
			Sensitivity 7~14microV•W-1•sq m			
			Sensitivity 7~14microV•W-1•sq m			
4	2025-00-0053	WRMD	Soil Moisture Meter			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			- Three-probe sensor - Dielectric measurement frequency (70MHz) - Volumetric Water Content (VWC): Using Top equation: $\pm 0.03\text{m}^3/\text{m}^3$ ( $\pm 3\%$ VWC) typical in mineral soils that have solution electrical conductivity $< 10\text{dS/m}$ Using medium specific calibration: $\pm 0.01 - 0.02\text{m}^3/\text{m}^3$ ( $\pm 1-2\%$ VWC) in any porous medium Temperature: $\pm 1^\circ\text{C}$ VWC Resolution: $0.0008\text{m}^3/\text{m}^3$ (0.08% VWC) from 0 to 50% VWC 0.25% VWC (rockwool) Electrical Conductivity Range: 0 to 23 dS/m (bulk) Temperature Range: $-40^\circ\text{C}$ to $50^\circ\text{C}$ Dimensions Range: $10 \times 3.2 \times 0.7\text{cm}$ Cable: 5m, customized cabling with waterproof connector, 3-pin Measurement: 150 ms Power: 3.6-15 VDC, 0.3mA quiescent, 10mA during 150ms measurement Output: SDI-12 Warranty 2 years	16	unit	
5	2025-00-0136	LUPEZ	<b>Semi-Technical and Scientific Equipment</b>			
			<b>Grain Moisture Meter</b> Overall Dimension - H:80mmxL:160mmxW:117mm Test Chamber Dimension - D:70mmxL:92mmxW:35mm Weight - 480g (with batteries) Color - Dark Gray Finish - Sanded Surface Power Supply - 4pcs AA Battery Test Sample Quality - Palay:150g; Corn:150g Measurement Range - Palay:9% to 36% MCwb; Corn:9% to 36% MCwb Repeatability - 99% Resolution - 0.1% MCwb Accuracy - $\pm 0.5\%$ MCwb	1	pc	
			Place of Delivery:			
			BSWM-NSWRRDC LUPEZ, San Ildefonso, Bulacan			
			Monday-Friday Only			
			8:00 A.M to 5:00 P.M			
6	2025-00-0055	HILLPEZ	<b>MOISTURE METER for Compost</b>	2		
			Handheld/portable, heavy duty			
			Measuring system: resistance measurement			
			Accuracy: $\pm 0.5\%$ (40 to 70%)			
			Resolution: 0.1%			
			Function: 3 1/2-digit LCD Mean value display Automatic temperature compensation			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Main body: 62 (W) x 148 (H) x 24 (D) mm			
			Sensor probe: 10 mm diameter x 800 mm (L)			
			Sensor cable: 0.8 m (L)			
			With warranty certificate			
			Delivery Site: BSWM Central Office, Diliman, Quezon City, 1st week of March 2025			
7	2025-00-0051	LSD	<b>Soil Nutrient Scanner</b>	2	units	
			Light weight and durable			
			Provides an analysis within minutes			
			Dimensions: approx. 152 x 84 x 52 mm			
			IP Class: IP 65			
			Spectral Range: ~ 1400 - 2500 nm			
			Spectral wavelength resolution : 1% of wavelength			
			Speed (time to result) : 1-3 seconds			
			Cooldown time (after measurement): typ. 3 seconds			
			Power Input (for charging): USB PD with 15 VDC, max. 2.75 A * via USB Type C connector			
			USB-Connection (for stationary use): USB 2.0 communication via USB Type C connector			
			Wireless Connection (for handheld use): wireless low energy via integrated antenna			
			Battery Type: rechargeable lithium ion battery			
			Nominal Voltage: 11.1V			
			Nominal capacity: 2600 mAh			
			Inclusions:			
			App ( available to download on IOS or Android)			
			Valid license to use the app			
8	2025-01-0187	SSD	<b>Soil Hardness Meter</b>	4	pc	
			(Measuring range-0 – 40mm (0 – 49MPa); Cone angle-25 ° 20'; Strength of spring-78.4N/40mm; Outside dimensions-L225mm x diam.40mm; Weight-250g; Total weight-Approx370g; includes case)			
9	2025-01-0187	SSD	<b>Digital Soil Moisture Meter</b>	4	pc	
			Measurement Range: 0 to 50% moisture content on soil.			
			Resolution: 0.1 %			
			Accuracy: ± ( 5 % + 5 d ) F.S. @ 23 ± 5 , F.S. : full scale			
			Circuit Custom one-chip of microprocessor LSI circuit			
			Probe: 2 pins moisture electrode.			
			Data Hold: Freeze the display reading			





Item no.	PR Number	End User	Item	Quantity	Unit	Statement of Compliance
			"New" White page , 7.5R, 10YR, and 2.5Y			
			10Y and 5GY soil chart for glauconitic soils			
			5R soil chart for Australia and Southeast Asia			
			7.5R soil chart for tropical and semi-tropical soils			
			- Laminated Hard Cover, Glossy, Ring Binded Cover &			
			Sheets			
			With openings in between chips to allow easy visual			
			comparison with soil samples.			
			Color ships are mounted on neutral gray.			
			-Water-resistant sheets/pages			
			with 1 year warranty on parts and services			
			<b>with Authorized or Exclusive Distributorship Certificate</b>			
			Delivery Site: BSWM Central Office			

Lot 1- Supply and Delivery of Various General Laboratory Equipment

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0051	LSD	NSHP					
			Horizontal Reciprocating shaker	3	units		420,000.00	1,260,000.00
			Specifications:					
			Motor DC 250W					
			Shaking type : Horizontal/vertical					
			Speed 0~350 rpm					
			Stroke 40 mm					
			Timer 0~60 min.					
			Control Step-less speed adjust system					
			Size: minimum 430 x 430 x 580 mm					
			Weight (kg): minimum 59					
			Funnel holder (ml x pcs) : 100 x 6 200 x 6 300 x 4 500 x 4 1000 x 3					
			with accessories:					
			Funnel Holder 100ml up to 1000ml					
			Triangular Flask Holder					
			Centrifuge Tube Holder					
			Test Tube rack Holder					
			with 3 years warranty					
			with PMS and service visits within warranty period					
			with ISO 17025 Calibration Certificate					
			with Local Training for end-users					
			with Training at end-user's site using the same model of equipment for 2 pax or more					
			Delivery Site: BSWM Central Office					
2	2025-00-0051	LSD	Top Loading Balance	2	units		100,000.00	200,000.00
			Capacity: maximum 620g					
			Readability: 0.01g					
			Repeatability: 0.01g					
			Linearity: 0.02g					
			Operating Ambient Temperature: 15-35 ±°5					
			Temperature Coefficient Sensitivity (ppm/C): ±5					
			Pan Size (mm) approx.: 190x190 mm ±15					
			Power requirement: AC adaptor (DC12-220V, 1A )					
			with ISO/IEC 17025 Calibration Certificate					
			at least 1 yr warranty on parts and service					
			Delivery Site: BSWM Central Office					





Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0051- RD-PD								210,000.00
7	2025-00-0052	LSD	<b>Variable Volume Pipettor</b>	37	pcs	30,000.00		1,110,000.00
			Specifications:					
			Volume: 1000-10,000 µl					
			Chemically resistant					
			Adjustable, interchangeable, easy-grip ejector					
			Volume can be adjusted from the thumbwheel or the plunger button					
			Fully Autoclavable					
			Interior is made of plastic polymer or from corrosion resistant material.					
			with carousel, 1000 pipette tips per unit					
			with ISO/IEC 17025 Calibration Certificate					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
8	2025-00-0052	LSD	<b>Vortex Mixer</b>	40	pc	40,000.00		1,600,000.00
			Specifications:					
			<b>Construction material: zinc alloy and technopolymer/ Aluminum cast ion / ABS plastic housing material or equivalent</b>					
			<b>Support system: 4-8 anti-sliding feet</b>					
			<b>Orbital diameter: 4.0-4.5 mm</b>					
			<b>Speed setting: analog (knob)</b>					
			<b>Speed control: analog (knob)/DC motor</b>					
			Speed: up to 3000 rpm					
			Operating modes: touch, continuous					
			<b>Electronic protection degree CEI EN 60529: IP32- 42</b>					
			<b>Power (max): 6-15 W</b>					
			<b>Weight (min): 2.7-6.5 Kg</b>					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
9	2025-00-0052	LSD	<b>Bottletop Dispenser</b>	30	pc	49,000.00		1,470,000.00
			Specifications:					
			Capacity: 5-50 mL					
			<b>Subdivision/Graduation: 1mL</b>					
			Accuracy: <= +/-0.5%					
			<b>Precision/Coefficient Variation: &lt;= 0.1%</b>					
			with container bottle and adapters					
			with recirculation and discharge valve					
			with 1 year warranty on parts and services					
			with ISO/IEC 17025 Calibration Certificate					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Delivery Site: BSWM Central Office					
10	2025-00-0052	LSD	<b>Digital Titrator</b>	30	pc	49,000.00		1,470,000.00
			Specifications:					
			Nominal Volume: 50 mL					
			<b>Accuracy in % (±): 0.02-0.06%</b>					
			<b>Accuracy in µl (±): 30-100 µl</b>					
			<b>Coefficient of variation (%): 0.01-0.02 %</b>					
			<b>Coefficient of variation in µl: 10-50 µl</b>					
			Accessories:					
			telescoping filling tube					
			recirculation tube					
			batteries					
			3 PP bottle adapters (GL 45/32, GL 45/S 40, GL 32/NS 29/32)					
			2 amber colored light shield inspection windows					
			Operation Manual, performance certificate					
			with 1 year warranty on parts and services					
			with ISO/IEC 17025 Calibration Certificate					
			Delivery Site: BSWM Central Office					
11	2025-00-0052	LSD	<b>Magnetic Stirrer</b>	12	pc	49,000.00		588,000.00
			Specifications:					
			Stirring quantity max. per stirring position (H2O): 20 L					
			<b>Speed display set-value: LCD/LED (digital)</b>					
			<b>Speed control: Turning knob/stirrer knob</b>					
			<b>Speed range: 30±20 - 1500±500 rpm</b>					
			<b>Setting accuracy speed: 1-10 rpm</b>					
			<b>Heat output: 600-1000 W</b>					
			<b>Heat control: Turning knob (Temp button /heater knob)</b>					
			<b>Temperature setting range: up to 350°C or higher</b>					
			Voltage: 220-230 / 115 / 100 V					
			Frequency: 50/60 Hz					
			<b>Power input: up to 1050 W</b>					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
<b>Subtotal of 2025-00-00521</b>								<b>6,238,000.00</b>
	<b>2025-01-0190</b>	<b>LSD</b>						
			<b>Soil Chemistry</b>					
12			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	1	pc	26,700.00		26,700.00











Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Inclusions: - with 1 year warranty on parts and services - User training for machine operations at Manufacturer's site (2pax) - Starter plates consumables and accessories good for 100 tests for AST - 1-2 sets of Culture Media and Reagents for Salmonella and Ecoli Testing - Customized Plates for ID and AST (Staggered delivery) a.) ASSECAF (Gram Neg AST1)- 50 kits b.) ASSECB (Gram Neg AST2)- 30 kits c.) ASEN (Gram Pos AST)- 50 Kits d.) GNID (Gram Neg ID)- 50 kits e.) GPID (Gram Pos) ID- 50Kits					
			<b>Laptop/PC desktop</b> compatible to AST software Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) or higher Storage: at least 500GB M.2 PCIe NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Operating System: Windows 10 or higher MS Office: Microsoft Office 2021 (license)					
			Glass pH combination Electrode (20 pcs)  Material: Lead free Glass with Built-in Temperature Compensation Sensor: Junction: Ceramic Reference: Long-Life Electrolyte: 3M KCL Length: 120mm Diameter: 12mm Membrane Shape:cylindrical Membrane Resistance: <150MΩ Range: 0 to 14 pH Temp. Range: -5 to 100°C (23 to 212°F) Connector: BNC					
			<b>with Authorized or Exclusive Distributorship Certificate</b>					
			Delivery Site: BSWM Central Office					
2	25-00-005	LSD	<b>Compound Microscope</b>	1	unit		300,000.00	300,000.00
			Specifications:					
			Observation Method: Brightfield, Darkfield					
			Optical System: Infinity optical system					
			Illumination System: Built-in transmitted illumination system, fixed Köhler illumination, LED lamp					
			Eyepiece: 10x, 20mm, antifungal					
			Focusing: Stage height movement (coarse movement stroke: 15 mm ), Stroke per rotation for coarse adjustment knob: 36.8 mm, Focusing stopper, Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 μm)					
			Objectives: Infinity Plan achromat, anti-fungal, 4X, 10X, 40X, 100X					
			Revolving nosepiece manual with standard (4-5 positions)					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Manual stages with right-hand control built-in X:76mm, Y:52mm					
			Condenser: Abbe condenser NA 1.25 with oil immersion (4X-100X)					
			Inclusions: - Microscope Cover, Manual & Power Cord - 8-9in screen tablet (at least 128gb storage) with compatible keyboard - with trinocular head, compatible camera (12MP or above) and camera adapter - consumables for 50-100 microscope specimens (immersion oil, microscope slides, slide storage box, cover slips, gram staining kit, staining rack and NIST traceable slider micrometer) - with 1 year warranty on parts and services - training for at least 2 end users					
			Delivery Site: BSWM Central Office					
3	25-00-005	LSD	<b>Automated Colony Counter</b>	2	units		1,650,000.00	3,300,000.00
			Specifications:					
			<u>Software &amp; Analysis</u> Colony Counting Accuracy: ≥98% Counting Modes: Fully automatic with manual control to add and subtract colonies and can differentiate colonies by color, shape, and size Data Export format: CSV, Excel, PDF, LIMS connectivity <b>User Interface: Touchscreen-compatible with intuitive controls or computer controlled</b> <b>Connectivity: USB, Wi-Fi, and LIMS connection ready</b>					
			Operation: Power Supply: 220-240V AC, 50/60Hz Operating Temperature: up to 35°C Compatible Petri Dish Sizes: 55 mm to 90 mm diameter					
			In compliance with 21 CFR Part 11 and adheres to international standards for microbiological testing such as ISO 7218, AOAC 977.27 or equivalent					
			Inclusion: - software for automatic colony counting - compatible ink tank printer with 1-2 ink bottle per color (black, cyan, magenta, yellow) - at least 3 validation plates and conformity certificate - 3 year warranty on parts, services and software updates - user training for machine operation at manufacturer's site (at least 2 pax)					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Laptop compatible to automated counter software Processor: Intel i5, 2.8 GHz Quad-Core or higher Storage: at least 500GB M.2 PCIe NVMe SSD Memory: at least 16GB, DDR4 (upgradable) Operating System: Windows 10 or higher MS Office: Microsoft Office 2021 (license)					
			<b>with Authorized or Exclusive Distributorship Certificate</b>					
			Delivery Site: BSWM Central Office					
4	25-00-005	LSD	<b>Microbial Air Sampler</b>	1	unit		120,000.00	120,000.00
			Specifications:					
			Airflow rate: at least 100L/min					
			Flexible adjustment of volume flow and the sample volume					
			Rotating plate holder with adjustable rotation speed					
			Adjustable timer with delayed activation mode					
			Rechargeable battery					
			Replaceable attachment					
			Can be use for 90mm petri plates					
			Inclusion: Accessories and consumables such as battery charger, compatible stainless steel heads and plates Traceable Calibration Certificate at least 1 year warranty for parts and services User training for machine operation (at least 2 pax)					
			Delivery Site: BSWM Central Office					
5	25-00-005	LSD	<b>Homogenizer (Laboratory Blender)</b>	1	unit		250,000.00	250,000.00
			Specifications:					
			Suitable for mixing of solid and liquid sample					
			Suitable for volume sample sizes from 50ml to 400ml					
			Adjustable timer settings:1-99 mins 59 sec or continuous operation					
			<b>Adjustable speed that can attain both 400rpm and 600rpm</b>					
			Electricity: 220-240V (50-60Hz)					
			Inclusion: Power Cable, homogenizing rack and 500 standard homogenizing bags at least 3 year warranty for parts and services					
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0051								9,970,000.00
GRAND TOTAL								9,970,000.00

Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment



Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Enables an operating mode that assists with ER/ES compliance					
			System compliance					
			Laser class: Class 1, IEC60825-1:2007 and CFR Chapter I: Sub-chapter]: Part 1040 (CDRH)					
			Regulatory : Designed to meet RoHS and WEEE requirements CE / FCC / ICE5-003 / VCCI compliant and Designed to meet C-Tick					
			<b>System</b>					
			Supply voltage: 100/240V, 50/60Hz					
			Product storage temperature: -20°C to +50°C (non-condensing)					
			Operational temperature range: +5°C to +40°C (non-condensing)					
			<b>Accessories :</b>					
			<b>1 unit Wet Sample Dispersion unit</b>					
			Compatible with 600mL and 1000mL laboratory beakers					
			40W in-line sonication probe, for rapid agglomerate dispersion					
			Dip-in centrifugal pump and stirrer design					
			Chemically compatible with a wide choice of organic and inorganic dispersants					
			Full software control of pump / stirrer and sonication					
			Integral sample tank light					
			Pump speed range : 0-3500 rpm					
			Pump speed resolution : +/- 10 rpm					
			Pump speed accuracy : +/- 50 rpm					
			Maximum flow rate : 1.7L/min					
			Materials in contact with sample : 316 stainless, Borosilicate glass, Tygon, FKM (cell seal only - FFKM available), PTFE, PEEK, Titanium Nitride					
			Standards: NIST traceable glass beads					
			<b>Inclusions:</b>					
			1 set Tygon tubes					
			1 set Lens					
			1 unit Desktop PC with printer					
			Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) subject to change considering software compatibility					
			Storage: at least 500GB M.2 PCIe NVMe SSD					
			Memory: at least 16GB, DDR4 (upgradable)					
			Operating System: Windows 10/11 Pro subject to change considering software compatibility					
			MS Office: Microsoft Office 2021 (license)					
			Printer specifications:					
			Can print up to Legal size (8.5 x 14 in), color, black					
			Can copy and scan up to A4 size, color, black					
			Has wireless capability					
			Has mobile printing capability					
			Print speed: Black - up to 8 ppm; Color - up to 5 ppm					
			Print quality: Black - up to 1200 x 1200 dpi; Color - up to 4800 x 1200 dpi					







Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			<b>Automatic sample carousel samples or position: min and max: 32 position tray (MIN), upto 4 trays (125 position or more)</b>					
			Detector Type: TCD					
			Gas Handling and Gas Separation: separation with Gas Chromatography (GC) column					
			Mass Flow Controller/ <b>Electronic flow controller Type:</b> Thermal regulated Electronic Flow Controller Module (EFCt)					
			Gases Required: Helium (He) with 99.995% purity and Oxygen (O2) with 99.5% or better, Argon (optional gas)					
			Standard Accessories and Consumables:					
			Spatula NA 2000					
			1 unit - Autosampler					
			2 set- Aspartic Acid Standard for NC Analysis 10g per bottle, NIST Traceable with Certificate of Analysis					
			3 bottles of Sulfanilamide Standard for NCS Analysis 2g per bottle, NIST Traceable with Certificate of Analysis					
			<b>2 sets - Standards for combustion analysis inclusive (NIST traceable) - Set of 7 soil standards Contains 1 of each of the following B2176, B2180, B2182, B2184, B2186, B2188, B2189 and Soil NC Reference Material</b>					
			5 bottles of Vanadium Pentoxide, 1g, 90-99.9% Purity					
			2 BBOT STANDARD CHNS (2 g)					
			2 set - Kit 1000 Analyses CHNS / NCS / S with Pre-packed Quartz Reactor contains the following: -Tin Containers Megabox (set of 1000) -Quartz Wool (5 g) -Magnesium Perchlorate (Anhydrone) (100 g)(only for NCS/S det.) -Vanadium Pentoxide (1 g) -Pre-Packed 18 mm OD Quartz Reactor CHNS/NCS/S					
			<b>1 set - Kit for Total Organic Carbon (TOC), includes: • Silver sample containers (set of 100) • Sample holder plate • Electric heater • Syringe 100 uL (function with or without syringe)</b>					
			<b>Soft Silver Containers for CNS Analysis (Set of 1000)</b>					
			1 unit - Microbalance  Balance required: Microbalance Max capacity: 1.2 g / 3.1 g Readability: 0.001 mg / 0,01 mg Repeatability at nominal (sd): 0.001 mg / 0.006 mg Typical Repeatability: (200 mg): 0.0008 mg Linearity deviation (test load): 0.02 mg (0.5 g) Minimum weight (200 mg, K=2, U=1): 0.2 mg Typical setting time: <8 sec					



em no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			±1.0 °C (-40 to 100°C)					
			±1.5 °C (100.1 to 150°C)					
			Humidity Range: 20.0%RH to 98%RH					
			Humidity Fluctuation: ±2.0%RH					
			Humidity Uniformity: ±3.0%RH					
			Humidity Resolution: 0.1%RH					
			Internal Material: SUS304 stainless steel (1.2mm)					
			External Material: cold-rolled plate (1.2mm), powder coating					
			Heat insulation: polyurethane foam (100mm) + glass wool (10mm)					
			Fan: centrifugal fan (impeller fan)					
			Refrigeration compressor: hermetic compressor					
			Cooling mode: air cooling					
			Refrigerant: R404A/R449A					
			Evaporator: finned-tube exchanger					
			Heater: nickel chrome strip heater					
			Humidifier: steam humidifier					
			Observation Window: multi-layer hollow tempered glass belt with automatic defrosting function, which can guarantee the frost-free and condensation of the glass surface during any test					
			Sample Rack: Stainless steel sample holder 2 layers, height is adjustable, load-bearing (uniform): 40kg/layer					
			Water Storage Tank Capacity: 15L					
			Display: TFT color LCD display					
			Communication: Ethernet, RS485, RS232 interface					
			Interior Size mm (WxHxD): at least 300x300x250					
			Exterior Size mm (WxHxD): at least 480x835x990					
			Power Supply: 220V/AC 50/60Hz 12 A					
			Inclusions:					
			One (1) year warranty on parts and services additional inclusion: 2 tables for the unit extension cable for the RH probe of the reference standard					
			Free PMS within warranty period					
			Training for four (4) end users at Manufacturer's Training Site, inclusive of all expenses <b>with Authorized or Exclusive Distributorship Certificate</b>					
			Delivery Site: BSWM Central Office					
2	2025-00-0051	LSD	<b>Anemometer</b>	2	units		100,000.00	200,000.00
			Specifications:					
			Real time data logger, save the data into the SD memory card and can be downloaded to the Excel					





em no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Optical Resolution: 20:1/30:1/ 50:1 Distance to Spot Size Ratio					
			Emissivity: Adjustable 0.10 to 1.00					
			Laser Power: Class 2 (<1mW)					
			Power: 9V battery (included), auto power off after 7sec., lock feature					
			with ISO/IEC 17025 Calibration Certificate					
			Delivery Site: BSWM Central Office					
8	2025-00-005 2	LSD	<b>Test Weights (Class F1)</b>	40	pcs	49,000.00		1,960,000.00
			Material: 304 Stainless Steel					
			Level: Class F1					
			Product Weight: 6.6 lbs / 3 Kg					
			Weight range: 1mg-1kg					
			Package Contents:					
			25pcs Weights					
			1x 1000g					
			1x 500g					
			2x 200g					
			1x 100g					
			1x 50g					
			2x 20g					
			1x 10g					
			1x 5g					
			2x 2g					
			1x 1g					
			1x 500mg					
			2x 200mg					
			1x 100mg					
			1x 50mg					
			2x 20mg					
			1x 10mg					
			1x 5mg					
			2x 2mg					
			1x 1mg					
			1x Plastic Tweezer					
			1x Aluminium Alloy Case					
			1x Cleaning Cloth					
			with ISO/IEC 17025 Calibration Certificate					
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0052								3,430,000.00
3	2025-00-005 1	LSD	<b>Thermohygrometer (with Barometer)</b>	30	units		50,000.00	1,500,000.00
			Specifications:					
			Measures ambient temperature, relative humidity and atmospheric or barometric pressure					
			Displays measurement values in real time on the large LCD screen					







Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
3	2025-00-0052	LSD	Solar Radiation (Pyranometer)	1	pc	15,000.00		15,000.00
			Specifications:					
			10V~30V DC					
			Spectral range of 0.3~3micrometer					
			Measuring range 0-2000W/sq m					
			Resolution 1W/sq m; accuracy +/- 3%					
			Working condition -40°C~60°C					
			Sensitivity 7~14microV•W-1•sq m					
			Sensitivity 7~14microV•W-1•sq m					
Subtotal of 2025-00-0052								207,000.00
4	2025-00-0053	WRMD	Soil Moisture Meter					
			- Three-probe sensor - Dielectric measurement frequency (70MHz) - Volumetric Water Content (VWC): Using Top equation: ±0.03m3/m3 (±3% VWC) typical in mineral soils that have solution electrical conductivity < 10dS/m Using medium specific calibration: ±0.01 - 0.02m3/m3 (±1-2% VWC) in any porous medium Temperature: ±1°C VWC Resolution: 0.0008m3/m3 (0.08% VWC) from 0 to 50% VWC 0.25% VWC (rockwool) Electrical Conductivity Range: 0 to 23 dS/m (bulk) Temperature Range: -40°C to 50°C Dimensions Range: 10 x 3.2 x 0.7cm Cable: 5m, customized cabling with waterproof connector, 3-pin Measurement: 150 ms Power: 3.6-15 VDC, 0.3mA quiescent, 10mA during 150ms measurement Output: SDI-12 Warranty 2 years	16	unit	30,000.00		480,000.00
Subtotal of 2025-00-0053								480,000.00
5	2025-00-0136	LUPEZ	Semi-Technical and Scientific Equipment					
			Grain Moisture Meter Overall Dimension - H:80mmxL:160mmxW:117mm Test Chamber Dimension - D:70mmxL:92mmxW:35mm Weight - 480g (with batteries) Color - Dark Gray Finish - Sanded Surface Power Supply - 4pcs AA Battery Test Sample Quality - Palay:150g; Corn:150g Measurement Range - Palay:9% to 36% MCwb; Corn:9% to 36% MCwb Repeatability - 99% Resolution - 0.1% MCwb Accuracy - ±0.5% MCwb	1	pc	20,000.00		20,000.00
			Place of Delivery:					
			BSWM-NSWRRDC LU PEZ, San Ildefonso, Bulacan					
			Monday-Friday Only					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			8:00 A.M to 5:00 P.M					
Subtotal of 2025-00-0054								20,000.00
6	2025-00-0055	HILL PEZ	<b>MOISTURE METER for Compost</b>	2		10,000.00		20,000.00
			Handheld/portable, heavy duty					
			Measuring system: resistance measurement					
			Accuracy: ±0.5% (40 to 70%)					
			Resolution: 0.1%					
			Function: 3 1/2-digit LCD Mean value display Automatic temperature compensation					
			Main body: 62 (W) x 148 (H) x 24 (D) mm					
			Sensor probe: 10 mm diameter x 800 mm (L)					
			Sensor cable: 0.8 m (L)					
			With warranty certificate					
			Delivery Site: BSWM Central Office, Diliman, Quezon City, 1st week of March 2025					
Subtotal of 2025-00-0055								20,000.00
7	2025-00-0051	LSD	<b>Soil Nutrient Scanner</b>	2	units		350,000.00	700,000.00
			Light weight and durable					
			Provides an analysis within minutes					
			Dimensions: approx. 152 x 84 x 52 mm					
			IP Class: IP 65					
			Spectral Range: ~ 1400 - 2500 nm					
			Spectral wavelength resolution : 1% of wavelength					
			Speed (time to result) : 1-3 seconds					
			Cooldown time (after measurement): typ. 3 seconds					
			Power Input (for charging): USB PD with 15 VDC, max. 2.75 A * via USB Type C connector					
			USB-Connection (for stationary use): USB 2.0 communication via USB Type C connector					
			Wireless Connection (for handheld use): wireless low energy via integrated antenna					
			Battery Type: rechargeable lithium ion battery					
			Nominal Voltage: 11.1V					
			Nominal capacity: 2600 mAh					
			Inclusions:					
			App ( available to download on IOS or Android)					
			Valid license to use the app					
Subtotal								700,000.00
8	2025-01-0187	SSD	<b>Soil Hardness Meter</b>	4	pc	35,000.00		140,000.00
			(Measuring range-0 – 40mm (0 – 49MPa); Cone angle-25 ° 20'; Strength of spring-78.4N/40mm; Outside dimensions-L225mm x diam.40mm; Weight-250g; Total weight-Approx370g; includes case)					



		Tip: Round Shape					
		Material: Stainless steel					
		weight: ≤220 grams					
		Accessories: Waist band leather case					
		2pcs Munsell Soil Color Chart					
		10R, 10YR, 2.5Y, 2.5YR, 5Y, 5YR, 7.5YR					
		10Y-5GY Colors - Olive green					
		Gray 1 and 2 (2 separate charts)					
		5R individual soil chart					
		7.5R individual soil chart					
		"New" White page , 7.5R, 10YR, and 2.5Y					
		10Y and 5GY soil chart for glauconitic soils					
		5R soil chart for Australia and Southeast Asia					
		7.5R soil chart for tropical and semi-tropical soils					
		- Laminated Hard Cover, Glossy, Ring Binded Cover &					
		Sheets					
		With openings in between chips to allow easy visual					
		comparison with soil samples.					
		Color ships are mounted on neutral gray.					
		-Water-resistant sheets/pages					
		with 1 year warranty on parts and services					
		<b>with Authorized or Exclusive Distributorship Certificate</b>					
		Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0051							13,000,000.00
GRAND TOTAL							13,000,000.00

## ANNEX B

### BSWM Bid Securing Declaration Form

[ shall be submitted with the Bid if bidder opts to provide this form of Bid Security]

REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S

#### BID SECURING DECLARATION

Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We shall furnish the required performance security within ten (10) calendar days in/ Case of receipt of Notice of Award (pursuant to GPPB Circular No. 04-2020 and GPPB Resolution No. 16-2020).
3. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
4. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_\_ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]  
Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]



**ANNEX C**  
**Omnibus Sworn Statement (Revised)**  
*[shall be submitted with the Bid]*

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REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

*[If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

*[If a partnership, corporation, cooperative, or joint venture:]* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

0. *[Select one, delete the other:]*

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*[If a partnership, corporation, cooperative, or joint venture:]* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

0. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

0. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

0. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

0. *[Select one, delete the rest:]*

*[If a sole proprietorship:]* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the

BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a partnership or cooperative:]* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a corporation or joint venture:]* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

0. *[Name of Bidder]* complies with existing labor laws and standards; and

0. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- a. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- a. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- a. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

0. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

0. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*  
Affiant

*[Jurat]*

*[Format shall be based on the latest Rules on Notarial Practice]*