



**Bureau of Soils and Water Management**  
**PHILIPPINE BIDDING DOCUMENTS**  
(As Harmonized with Development Partners)

**Supply and Delivery of various Technical  
and Scientific Equipment for CY 2025**

**IB NO: BSWM 2025-02-033**

**Date issued**  
**February 2025**

**PHILIPPINE BIDDING DOCUMENTS**

# **Procurement of GOODS**

**Government of the Republic of the Philippines**

**Sixth Edition  
July 2020**

# Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Goods to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

- d. The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.
- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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# ***Glossary of Acronyms, Terms, and Abbreviations***

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to:

(i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and

Freight. **CIP** – Carriage and Insurance

Paid. **CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**–Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** –Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** –Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.



## ***Section I. Invitation to Bid***

### **Notes on the Invitation to Bid**

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

The IB should be incorporated in the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



Republic of the Philippines  
Department of Agriculture  
**BUREAU OF SOILS AND WATER MANAGEMENT**  
SRDC Bldg., Elliptical Road corner Visayas Avenue,  
Diliman, Quezon City 1101

## INVITATION TO BID

### **Supply and Delivery of various Technical and Scientific Equipment for CY 2025- IB NO: BSWM 2025-01-033**

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**

ABC: PhP 1,500,000.00

**Lot 3- Supply and Delivery of Various Sample Preparation Equipment**

ABC: PhP 10,000,000.00

**Lot 4- Supply and Delivery of Various Microbiological Laboratory Equipment**

ABC: PhP 9,970,000.00

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

ABC: PhP 25,695,000.00

**Lot 6- Supply and Delivery of CNS Analyzer**

ABC: PhP 7,000,000.00

**Lot 7- Supply and Delivery of Various Equipment for Calibration**

ABC: PhP 6,260,000.00

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

ABC: PhP 1,827,000.00

with a grand total of **PhP 73,588,300.00** being the ABC to payments under the contract for **Supply and Delivery of various Technical and Scientific Equipment for CY 2025 - IB NO: BSWM 2025-01-033**. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The BSWM now invites bids for the above Procurement Project. **Delivery of the Goods shall be STRICTLY completed within sixty (60) calendar days upon receipt of Notice to Proceed (NTP)**. Bidders should have completed, **within five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

4. Prospective Bidders may obtain further information from BSWM – Bids and Awards Committee (BAC) Secretariat's Office and inspect the Bidding Documents at the given address during **MONDAY TO FRIDAY, 8:00AM TO 5:00 PM EXCEPT ON DECLARED HOLIDAYS OR WORK SUSPENSION**.
5. A complete set of Bidding Documents may be acquired by interested Bidders until **March 12, 2025, 3:00PM** from the given address and website and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of:

Lot 1	9,000.00
Lot 2	1,500.00
Lot 3	8,000.00
Lot 4	5,000.00
Lot 5	18,000.00
Lot 6	3,000.00
Lot 7	4,000.00
Lot 8	1,500.00

The Procuring Entity shall allow the bidder to present its proof of payment for the fees to BAC Secretariat on or before the deadline of Submission and Opening of Bids.

6. The BSWM will hold a **Pre-Bid Conference** on **February 27, 2025, 9:30AM at BSWM Function Room** and shall be open to prospective bidders. Pre-Bid Conference will be available "live" thru **BSWM Procurement Service Facebook Page (FB) Page (<https://www.facebook.com/bswmpms>)**. Furthermore, all interested bidders can participate through videoconferencing. Please coordinate with the BAC Secretariat at least a day before the meeting at [bac@bswm.da.gov.ph](mailto:bac@bswm.da.gov.ph).
7. **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.

All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.

8. **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.

During the opening of bids, bidder's representative must present his/her company identification card and authorization letter from the head of the company.

10. BSWM adheres to the Republic Act 10173 Data Privacy Act.
11. The BSWM reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:  
FRANCE JOSEPHINE C. BAUTISTA  
BIDS AND AWARDS COMMITTEE SECRETARIAT'S OFFICE  
2ND FLOOR, SRDC BLDG.,  
VISAYAS AVE. COR. ELLIPTICAL ROAD, DILIMAN, QUEZON CITY  
TELEFAX NUMBER: +63-2-8273-2474 loc 3218  
EMAIL ADDRESS: [bac@bswm.da.gov.ph](mailto:bac@bswm.da.gov.ph) or [bswm.bacsec@gmail.com](mailto:bswm.bacsec@gmail.com) WEBSITE: [www.bswm.gov.ph](http://www.bswm.gov.ph)  
FB Page: <https://www.facebook.com/bswmpms>

You may visit the following websites:

For downloading of Bidding Documents:

PhilGEPS- <https://notices.philgeps.gov.ph/>, BSWM Website- [www.bswm.gov.ph](http://www.bswm.gov.ph) or BSWM

Procurement Service Facebook Page- <https://www.facebook.com/bswmpms>.

**DENISE A. SOLANO**  
BSWM BAC Chairperson



## ***Section II. Instructions to Bidders***

### **Notes on the Instructions to Bidders**

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

## 1. Scope of Bid

The Procuring Entity, *Bureau of Soils and Water Management* wishes to receive Bids for **the Supply and Delivery of various Technical and Scientific Equipment for CY 2024 - IB NO: BSWM 2025-02-033.**

The Procurement Project (referred to herein as “Project”) is composed of **8 Lots**, the details of which are described in Section VII (Technical Specifications).

## 2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for ***GAA 2025 and FY 2024 Continuing in*** the amount 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**  
ABC: PhP 1,500,000.00

**Lot 3- Supply and Delivery of Various Sample Preparation Equipment**  
ABC: PhP 10,000,000.00

**Lot 4- Supply and Delivery of Various Microbiological Laboratory Equipment**  
ABC: PhP 9,970,000.00

**Lot 5- Supply and Delivery of Various Soil Physics Laboratory Equipment**  
ABC: PhP 25,695,000.00

**Lot 6- Supply and Delivery of CNS Analyzer**  
ABC: PhP 7,000,000.00

**Lot 7- Supply and Delivery of Various Equipment for Calibration**  
ABC: PhP 6,260,000.00

**Lot 8- Supply and Delivery of Various Environmental Monitoring and Field Equipment**  
ABC: PhP 1,827,000.00

- 2.2 The source of funding is:

~~*If an early procurement activity, select one and delete others: }*~~

- a. ~~NGA, the National Expenditure Program.~~
- b. ~~GOCC and GFIs, the proposed Corporate Operating Budget.~~
- c. ~~LGUs, the proposed Local Expenditure Program.~~

~~*If not an early procurement activity, select one and delete others: }*~~

- a. **NGA, the General Appropriations Act or Special Appropriations.**
- b. ~~GOCC and GFIs, the Corporate Operating Budget.~~
- c. ~~LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.~~

### 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

### 4. 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.

### 5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. *[Select one, delete other/s]*
  - ~~a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
    - i. ~~When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;~~
    - ii. ~~Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;~~
    - iii. ~~When the Goods sought to be procured are not available from local suppliers; or~~
    - iv. ~~When there is a need to prevent situations that defeat competition or restrain trade.~~~~
  - b. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
  - ~~a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.~~
  - ~~b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty five percent (25%) of the ABC.~~
  - ~~c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the following~~

requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least **fifty percent (50%)** of the ABC per for this Project; and
  - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## 6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## 7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that:

*[Select one, delete other/s]*

- ~~a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed twenty percent (20%) of the contracted Goods.~~
- b. Subcontracting is not allowed.**

- ~~7.2. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.~~

- ~~7.3. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may~~
- ~~■ identify its subcontractor during the contract implementation stage. Subcontractors identified~~
  - ~~■ during the bidding may be changed during the implementation of this Contract. Subcontractors~~
  - ~~■ must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA~~
  - ~~■ No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.~~

- ~~7.4. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or~~
- ~~■ obligation under the Contract. The Supplier will be responsible for the acts, defaults, and~~
  - ~~■ negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.~~

## 8. Pre-Bid Conference



The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address stated on **Section I** and/or through videoconferencing/webcasting via Zoom as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## 10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within five years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## 11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.
- 11.5.
  - *[Include if Framework Agreement will be used:]* Financial proposals for single or multi-
  - year Framework Agreement shall be submitted before the deadline of submission of bids
  - as prescribed in the **IB**. For multi-year Framework Agreement, evaluation of the financial
  - proposal during this stage is for purposes of determining eligibility and whether or not such financial proposal is within the ABC.

## 12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:

- i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
  - ii. The cost of all customs duties and sales and other taxes already paid or payable;
  - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
  - iv. The price of other (incidental) services, if any, listed in the **BDS**.
- ~~b.~~ For Goods offered from abroad:
  - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
  - ii. The price of other (incidental) services, if any, as listed in the **BDS**.
- 12.2. ~~[Include if Framework Agreement will be used:] For Framework Agreement, the following should also apply in addition to Clause 12.1:~~
  - a. ~~For a single year Framework Agreement, the prices quoted by the Bidder shall be fixed during~~
    - the Bidder's performance of the contract and not subject to variation or escalation on any
    - account. Price schedules required under Clause 12.1 shall be submitted with the ~~bidding documents.~~
  - b. ~~For a multi-year Framework Agreement, the prices quoted by the Bidder during~~ submission
    - of eligibility documents shall be the ceiling and the price quoted during mini- competition
    - must not exceed the initial price offer. The price quoted during call for mini- competition
    - shall be fixed during the Bidder's performance of that Call-off and not subject to variation
    - or escalation on any account. Price schedules required under Clause 12.1 shall ~~be submitted with the bidding documents.~~

### 13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in:
  - a. Philippine Pesos.
  - b. ~~[indicate currency if procurement involves a foreign denominated bid as allowed by the Procuring Entity, which shall be tradeable or acceptable by the BSP].~~

### 14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration<sup>1</sup> or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until *120 days*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.
- 14.3.
  - ~~[Include if Framework Agreement will be used:]~~ In the case of Framework Agreement, other than the grounds for forfeiture under the 2016 revised IRR, the bid security may also
  - be forfeited if the successful bidder fails to sign the Framework Agreement, or fails to
  - furnish the performance security or performance securing declaration. Without prejudice
  - on its forfeiture, bid securities shall be returned only after the posting of performance
  - security or performance securing declaration, as the case may be, by the winning Bidder
  - ~~or compliant Bidders and the signing of the Framework Agreement.~~

## 15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

~~If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.~~

## 16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address as indicated in paragraph 7 of the **IB**.
- 16.2. ~~[Include if Framework Agreement will be used:] For multi-year Framework Agreement, the submission of bids shall be for the initial evaluation of their technical and financial eligibility. Thereafter, those declared eligible during the said initial eligibility evaluation and entered into a Framework Agreement with the Procuring Entity shall submit anew their best financial offer at the address and on or before the date and time indicated in the Call for each mini-competition.~~

## 17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

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<sup>1</sup> In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.
- 18.2. ~~{Include if Framework Agreement will be used:}~~ For multi-year Framework Agreement,   
 ■ determination of margin of preference shall be conducted every call for Mini-Competition.

## **19. Detailed Evaluation and Comparison of Bids**

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

~~{Include the following options if Framework Agreement will be used:}~~

- a. ~~In the case of single-year Framework Agreement, the Lowest Calculated Bid shall be determined outright after the detailed evaluation;~~
- b. ~~For multi-year Framework Agreement, the determination of the eligibility and the compliance~~   
 ■ of bidders with the technical and financial aspects of the projects shall be initially made by   
 ■ the BAC, in accordance with Item 7.4.2 of the Guidelines on the Use of Framework   
 Agreement.
- 19.2. ~~If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and~~   
 ■ evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the   
 ■ Bid Security as required by ITB Clause 14 shall be submitted for each lot or item separately.
- 19.3. ~~The descriptions of the lots or items shall be indicated in Section VII (Technical~~   
 ■ **Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for   
 ■ purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of   
 ■ RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or ~~items~~   
 participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:
- One Project having several items per lot, that shall be awarded per line-item basis**
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to

ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## 20. Post-Qualification

- 20.1. ~~{Include if Framework Agreement will be used:} For multi-year Framework Agreement, all bidders initially determined to be eligible and financially compliant shall be subject to initial post-qualification. The BAC shall then recommend the execution of a Framework Agreement among all eligible, technically and financially compliant bidders and the Procuring Entity and shall be issued by HoPE a Notice to Execute Framework Agreement. The determination of the Lowest Calculated Bid (LCB) shall not be performed by the BAC until a Mini-Competition is conducted among the bidders who executed a Framework Agreement. When a Call for Mini-Competition is made, the BAC shall allow the bidders to submit their best financial proposals on such pre-scheduled date, time and place to determine the bidder with the LCB.~~
- 20.2. **Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, ~~{Include if Framework Agreement will be used:}~~ or in the case of multi-year Framework Agreement, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant,} the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the BDS. ~~{Include if Framework Agreement will be used:} For every mini-competition in Framework Agreement, the LCB shall likewise submit the required documents for final Post Qualification.}~~**

## 21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

*[Include the following clauses if Framework Agreement will be used:]*

- 21.2. ~~At the same time as the Procuring Entity notifies the successful Bidder that its bid has been accepted, the Procuring Entity shall send the Framework Agreement Form to the Bidder, which contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.~~
- 21.3. ~~Within ten (10) calendar days from receipt of the Notice to Execute Framework Agreement with the Procuring Entity, the successful Bidder or its duly authorized representative shall formally enter into a Framework Agreement with the procuring entity for an amount of One Peso to be paid to the procuring entity as a consideration for the option granted by the procuring entity to procure the items in the Framework Agreement List when the need arises.~~
- 21.4. ~~The Procuring Entity shall enter into a Framework Agreement with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.~~
- 21.5. ~~The following documents shall form part of the Framework Agreement:~~
- ~~a. Framework Agreement Form;~~
  - ~~b. Bidding Documents;~~
  - ~~c. Call-offs;~~

- ~~d. Winning bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted (e.g., bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;~~
- ~~e. Performance Security or Performance Securing Declaration, as the case may be;~~
- ~~f. Notice to Execute Framework Agreement; and~~
- ~~g. Other contract documents that may be required by existing laws and/or specified in the BDS.~~

## ***Section III. Bid Data Sheet***

### **Notes on the Bid Data Sheet**

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

Information that specifies and complements provisions of the ITB must be incorporated.

Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

# Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> <li><i>a. Contract on Supply and Delivery of various Technical and Scientific/ Laboratory Equipment and/or its equivalent.</i></li> <li><i>b. completed within <u>five years</u> prior to the deadline for the submission and receipt of bids.</i></li> </ul>
7.1	<b><i>SUB CONTRACTING- NOT APPLICABLE</i></b>
12	The price of the Goods shall be quoted DDP [ <i>state place of destination</i> ] or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> <li><i>a. The amount of <b>not less than two percent (2%) of ABC</b>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</i></li> <li><i>b. The amount of <b>not less than five percent (5%) of ABC</b> if bid security is in Surety Bond.</i></li> </ul> <p><b><i>NOTE: If bidders opt to use the Bid Securing Declaration as Bid Security: Bidders SHALL use ATTACHED BSWM template of Bid Securing Declaration. Other forms of Bid Securing Declaration will NOT BE ACCEPTED and SHALL BE RATED "FAILED".</i></b></p>
19.4.	<p><b><i>The Project shall be awarded as follows:</i></b></p> <p>One Project having several items per lot, that shall be awarded per line-item basis.</p>
20.2	<b><i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i></b>
21.2	<b><i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i></b>



## ***Section IV. General Conditions of Contract***

### **Notes on the General Conditions of Contract**

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

## **1. Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## **2. Advance Payment and Terms of Payment**

- 2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## **3. Performance Security**

Within 10 calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

## **4. Inspection and Tests**

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

- 5.1 In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## ***Section V. Special Conditions of Contract***

### **Notes on the Special Conditions of Contract**

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

Information that complements provisions of the GCC must be incorporated.

Amendments and/or supplements to provisions of the GCC as

# Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>“The delivery terms applicable to this Contract are delivered <i>[indicate place of destination]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <b><i>End-User Representative, Authorized Property Management Unit Personnel and Inspection Committee Member.</i></b></p> <p><b><u>Supplier shall coordinate with the End-user and Property Management Unit for final schedule of delivery.</u></b></p> <p><b><u>To schedule the delivery, please click this link or scan the QR code:</u></b></p> <div data-bbox="571 1375 906 1431" data-label="Text"> <p><a href="https://sites.google.com/view/pmu-scheduleofdelivery/home">https://sites.google.com/view/pmu-scheduleofdelivery/home</a></p> </div> <div data-bbox="1015 1337 1212 1534" data-label="Image"> </div> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <p>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</p>

	<ul style="list-style-type: none"> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> </ul>
	<ul style="list-style-type: none"> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> </ul>
	<ul style="list-style-type: none"> <li>e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> <li>f. <i>[Specify additional incidental service requirements, as needed.]</i></li> </ul> <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p><b>Spare Parts –</b></p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ul style="list-style-type: none"> <li>a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> <li>i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and</li> </ul> </li> </ul>

- ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of ***One Year***.

Spare parts or components shall be supplied as promptly as possible, but in any case, within ***not more than Seven Calendar Days*** of placing the order.

**Packaging –**

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity

Name of the Supplier

Contract Description

Final Destination

Gross weight

	<p>Any special lifting instructions</p> <p>Any special handling instructions</p> <p>Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b></p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>

	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Supplier's risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p><b>Intellectual Property Rights –</b></p>
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	The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	<b>Upon complete delivery.</b>
4	The inspections and tests that will be conducted are: <i><b>Inspection per conformity and compliance to technical specifications/ terms of reference.</b></i>

## ***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.

<b>Lot Number</b>	<b>Description</b>	<b>Delivered, Weeks/Months</b>
	Lot 1- Supply and Delivery of Various General Laboratory Equipment  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	Within 60 calendar days upon receipt of NTP

## ***Section VII. Technical Specifications***

### **Notes for Preparing the Technical Specifications**

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

#### **Sample Clause: Equivalency of Standards and Codes**

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words “*or at least equivalent.*” References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

# Technical Specifications

Item	Specification	Statement of Compliance
<p><i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder’s statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>		

## 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	<b>Horizontal Reciprocating shaker</b>	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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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	<b>Top Loading Balance</b>	<b>2</b>	<b>units</b>	
			Capacity: 620g			
			Readability: 0.01g			
			Repeatability: 0.01g			
			Linearity: 0.02g			
			Operating Ambient Temperature: 10 - 30			
			Temperature Coefficient Sensitivity (ppm/C): ±5			
			Pan Size (mm) approx.: ø110			
			Power requirement: AC adaptor ( DC12V, 1A )			
			with ISO/IEC 17025 Calibration Certificate			
			at least 1 yr warranty on parts and service			
			Delivery Site: BSWM Central Office			
3	2025-00-0051	LSD	<b>Thermohygrometer (with Barometer)</b>	<b>30</b>	<b>units</b>	
			Specifications:			
			Measures ambient temperature, relative humidity and atmospheric or			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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	2025-00-0051	LSD	<b>Digital Burette, continuous</b>	<b>3</b>	<b>units</b>	
			Specifications:			
			Nominal Volume: 50 mL			
			Accuracy in % ( $\pm$ ): 0.06%			
			Accuracy in $\mu$ l ( $\pm$ ): 30 $\mu$ l			
			Coefficient of variation (%): 0.02 %			
			Coefficient of variation in $\mu$ l: 10 $\mu$ l			
			PC interface: RS232			
			Accessories:			
			telescoping filling tube			
			recirculation tube			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			batteries			
			3 PP bottle adapters (GL 45/32, GL 45/S 40, GL 32/NS 29/32)			
			2 amber colored light shield inspection windows			
			RS232 connector, CD software			
			Operation Manual, performance certificate			
			with ISO Calibration Certificate			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
6	2025-00-0051	LSD	<b>Desiccator Cabinet</b>	3	units	
			Specifications:			
			Synchronized display of temperature and humidity			
			Adjustable humidity value 15~50%RH			
			Temperature display accuracy $\pm 1^{\circ}\text{C}$			
			Humidity display accuracy $\pm 3\%\text{RH}$			
			PPS fireproof plastic host with heat resistance up to $230^{\circ}\text{C}$			
			Passed CE international certification			
			Volume (liters): 1250 min			
			Number of doors: 6			
			with ISO Calibration Certificate			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
			PD 1435			
7	2025-00-0051	LSD	<b>pH meter</b>	1	unit	
			Specifications:			
			pH			
			Range: -2.00 to 16.00 pH			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Resolution: 0.1/0.01/0.001 pH			
			Accuracy: ±0.002 pH			
			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 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			
8	2025-00-0051	LSD	EC meter	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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Accuracy: $\pm 1$ % full scale			
			Cal. Points: Up to 5			
			Cell Constant: 0.010 to 10.000			
			Temperature			
			Range (Meter): 0.0 to 100.0 $^{\circ}\text{C}$ / 32.0 to 212.0 $^{\circ}\text{F}$			
			Resolution: 0.1 $^{\circ}\text{C}$ / 0.1 $^{\circ}\text{F}$			
			Accuracy: $\pm 0.3$ $^{\circ}\text{C}$ / $\pm 0.5$ $^{\circ}\text{F}$			
			Coefficient (Per $^{\circ}\text{C}$ ): Linear & pure ; 0.000 to 10.000 %			
			Normalization: 15.0 to 30.0 $^{\circ}\text{C}$ / 59.0 to 86.0 $^{\circ}\text{F}$			
			Compensation: ATC			
			Power Requirements: 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)			
			Inclusions:			
			EC Electrodes			
			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			
9	2025-00-0052	LSD	<b>Variable Volume Pipettor</b>	37	pcs	
			Specifications:			
			Volume: 1000-10,000 $\mu\text{l}$			
			Chemically resistant			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Streamlined handle			
			Adjustable, interchangeable, easy-grip ejector			
			Volume can be adjusted from the thumbwheel or the plunger button			
			Fully Autoclavable			
			Made from stainless steel, interior			
			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			
10	2025-00-0052	LSD	<b>Vortex Mixer</b>	40	pc	
			Specifications:			
			Construction material: zinc alloy and technopolymer			
			Support system: 4 anti-sliding feet			
			Orbital diameter: 4.5 mm			
			Speed setting: analog			
			Speed control: electronic			
			Speed: up to 3000 rpm			
			Operating modes: touch, continuous			
			Electronic protection degree CEI EN 60529: IP 42			
			Power (max): 15 W			
			Weight (min): 2.7 Kg (5.9 lb)			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
11	2025-00-0052	LSD	<b>Bottletop Dispenser</b>	30	pc	

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Specifications:			
			Capacity: 5-50 mL			
			Subdivision: 0.2 mL			
			Accuracy: $\leq \pm 0.5\%$			
			Precision: $\leq 0.1\%$			
			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			
12	2025-00-0052	LSD	Digital Titrator	30	pc	
			Specifications:			
			Nominal Volume: 50 mL			
			Accuracy in % ( $\pm$ ): 0.06%			
			Accuracy in $\mu\text{l}$ ( $\pm$ ): 30 $\mu\text{l}$			
			Coefficient of variation (%): 0.02 %			
			Coefficient of variation in $\mu\text{l}$ : 10 $\mu\text{l}$			
			PC interface: RS232			
			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			
			RS232 connector, CD software			
			Operation Manual, performance			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			certificate			
			with 1 year warranty on parts and services			
			with ISO/IEC 17025 Calibration Certificate			
			Delivery Site: BSWM Central Office			
13	2025-00-0052	LSD	<b>Magnetic Stirrer</b>	12	pc	
			Specifications:			
			Stirring quantity max. per stirring position (H2O): 20 L			
			Speed display set-value: LCD			
			Speed control: Turning knob			
			Speed range: 50 - 1500 rpm			
			Setting accuracy speed: 10 rpm			
			Heat output: 1000 W			
			Heat control: Turning knob			
			Temperature setting range: 0 - 500 °C			
			Voltage: 220-230 / 115 / 100 V			
			Frequency: 50/60 Hz			
			Power input: 1020 W			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
14	2025-01-0190	LSD	<b>Soil Chemistry</b>			
			<b>Bottle top dispenser</b> , 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	
			Delivery Site: BSWM Central Office			
			<b>Bottle top dispenser</b> , 5-50 mL, Laboratory Grade; Acid and Alkali Resistance; Double Valve (Safety Valve) to avoid the waste of	2	pc	

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			solution;Equipped with multiple screw adapters, suitable for most reagent bottles			
			Delivery Site: BSWM Central Office			
			<b>Digital Thermohygrometer 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			
			<b>Digital Thermohygrometer</b> -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 2: SUPPLY AND DELIVERY OF UV-VIS SPECTROPHOTOMETER

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0051	LSD	<b>UV-VIS Spectrophotometer w/ computer and printer</b>	1	units	
			Specifications:			
			Photometric System – Double beam			
			Monochromator – Double monochromator / Monochromator with imaging grating or equivalent			
			Source – Xe / Halogen (Tungsten) - D2 Lamp			
			Wavelength Range – 190-1100 nm			
			Detectors – Silicon photodiode detectors for simultaneous measurement of different channels			
			Wavelength accuracy (nm) $\pm 0.1 - 0.3$ nm			
			Wavelength reproducibility/repeatability (nm) < 0.05			
			Limiting Resolution – 0.02 nm - 0.1 nm			
			Spectral bandwidth 0.1 to 5 nm at 0.01 nm			
			Data collection rate 250 data points per second			
			Desktop PC unit with printer and UPS			
			Unit with sipper (and 5 spare tubings) 3 extra lamp source (if source is Halogen (Tungsten) - D2 Lamp) printer, UV workstation software compatible with equipment, and complete genuine office and OS			
			With 5 pcs, 1000 ppm NIST Traceable Phosphorus Standard Solution corresponding (1) 500 mL / bottle & 5 pcs Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Desktop specifications:			
			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			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			200 - 240 VAC"			
			Accessories included:			
			Tablet compatible with the system (one per unit)			
			UV software			
			Sample holder			
			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			
			One (1) year warranty on parts and repair services			
			Free PMS for three (3) years inclusive of PM kits, consumables, and replacement of lamps within prescribed period			
			Delivery Site: BSWM Central Office			

### LOT 3: SUPPLY AND DELIVERY OF 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: Up to 10mm, large inlet up to 40mm			
			Grinding rate/time: Appr. 4 g/s			
			Grinding speed: Impeller 10,000 rpm			
			Particle size: 0.3-2mm			
			Safety: Microswitch, motor brake			
			Power Supply: 200-240 V			

Item No.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Power consumption: 500-600 W			
			Dimensions (w x d x h) cm: 31.7 x 30.7 x 45.2 cm (min)			
			with complete accessories			
			with Validation Certificate			
			with 1 year warranty on parts and services			
			Delivery sites:			
			16 RSLs, 3 Research Centers (Tanay, Bulacan, Bukidnon), and BSWM Quezon City			

**LOT 4: SUPPLY AND DELIVERY OF MICROBIOLOGICAL LABORATORY EQUIPMENT**

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0051	LSD	<b>Automated AST Workflow System</b>	<b>1</b>	<b>unit</b>	
			Specifications:			
			Uses Broth Micro Dilution (BMD) Plate method for AST			
			Capable of performing wide range of Susceptibility Testing for: o Gram Negative Bacteria o Gram-Positive Bacteria o Anaerobe o Hemophilus o Yeast			
			Capable of performing Identification Testing for: o Gram Negative Bacteria o Gram-Positive Bacteria			
			Utilizes customizable 96-well microtiter plates using fluorescence and turbidimetry for ID and susceptibility			
			Includes Autoinoculation Machine for ID and AST Plates			
			Includes Nephelometer for inoculum standardization			
			AST Plates can be read manually, allowing critical interpretation of unusual patterns and eliminating the need to retest invalid results			
			It should come with a single, robust software platform that easily consolidates test program and streamline data entry			
			Can be interfaced to most LIS systems and service teams have the technical expertise to support through the whole process			
			with customizable Expert System that provides three-tiered expert messages: Information, Modification (based on FDA, CLSI, and EUCAST recommendations), and Warning Levels			
			with Quality Control Module and Epidemiology Module			
			With existing installation in the Philippines that uses customized plates for Veterinary Antimicrobial Susceptibility Testing and			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Antimicrobial Surveillance Programs aligned with international guidelines			
			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			
			Laptop 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			
			Delivery Site: BSWM Central Office			
2	2025-00-0051	LSD	<b>Compound Microscope</b>	1	unit	
			Specifications:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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)			
			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	2025-00-0051	LSD	<b>Automated Colony Counter</b>	2	units	
			Specifications:			
			<u>Optical &amp; Imaging System</u> Camera: High-definition (HD) digital camera Detection Limit: Minimum colony size 0.05 mm Zoom: Adjustable optical and digital zoom Lighting System: LED illumination with			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			adjustable intensity			
			<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 User Interface: Touchscreen-compatible with intuitive controls Connectivity: USB, Ethernet, Wi-Fi and LIMS connection ready			
			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)			
			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)			
			Delivery Site: BSWM Central Office			
4	2025-00-0051	LSD	<b>Microbial Air Sampler</b>	1	unit	
			Specifications:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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	2025-00-0051	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			
			Adjustable paddle speed up to 300 rpm			
			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: No. 10, 18, 35, 60, 140, 270			
			with cap and pan with 3-4 inches			
			with Digital and adjustable timer and vibrating intensity			
			sieving time from 1 to 999 minutes; with 0.1 sec accuracy			
			compact and quite			
			Power supply: 220 V,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			
			Main System Specifications			
			Particle size distribution: Suspensions, emulsions, dry powders			
			Principle: Laser light scattering			
			Analysis: Mie and Fraunhofer scattering			
			Data acquisition rate: 10 kHz			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Typical measurement time: <10 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			
			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			
			Software			
			Enables an operating mode that assists with ER/ES compliance			
			System compliance			
			Laser class: Class 1, IEC60825-1:2007 and CFR Chapter I: Sub-chapterJ: Part 1040 (CDRH)			
			Regulatory : Designed to meet RoHS and WEEE requirements CE / FCC / ICE5-003 / VCCI compliant and Designed to meet C-Tick			
			System			
			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)			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Accessories :			
			1 unit Wet Sample Dispersion unit			
			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			
			Inclusions:			
			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 : $\pm 0.02$ g			
			ISO 13320:2020 guide or equivalent latest version			
			5 bottles (500g) of Soil Reference Material			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			with Certificate of Analysis			
			Installation & Training :			
			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			
			Warranty :			
			One (1) year on parts and two (2) years on service from the date of installation which include preventive maintenance during warranty period			
			Delivery :			
			90 days upon receipt of notice to proceed / purchase order			
			Supplier shall submit an Authorization Certificate from the Manufacturer or the authorized sole distributor of the same brand in the Philippines			
			Delivery Site: BSWM Central Office			
<b>3</b>	<b>2025-00-0051</b>	<b>LSD</b>	<b>Core Sampler Set with sampling tubes</b>	<b>13</b>	<b>units</b>	
			Specifications:			
			Soil Sample Shoe			
			Handle with beating head			
			Hammer with nylon			
			1 Brush and 3 knife set			
			Case (plastic)			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			17 sets Sampling tube (100ml)			
			Dimensions: I.D.diam.50 x 51mm			
			Material: Stainless steel 304			
			Quantity: 6 pcs. with 2 lids in a cloth case per set			
			Inclusions			
			2 pcs Shovel			
			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.			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Color ships are mounted on neutral gray.			
			-Water-resistant sheets/pages			
			with 1 year warranty on parts and services			
			Delivery Site: BSWM Central Office			
4	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: 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			
5	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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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 extend timer range to 175 hours (10,500 minutes).			
			With at least one (1) year warranty on parts and service and two (2) years free Preventive Maintenance Service			
			With End-User training ( No. of pax: At least 3 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			

#### **LOT 6: SUPPLY AND DELIVERY OF CNS ANALYZER**

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
<b>1</b>	<b>2025-00-0051</b>	<b>LSD</b>	<b>CNS Analyzer</b>	<b>1</b>	<b>unit</b>	
			Specifications:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Configuration: CNS			
			Sample weight: 0.01 - 100mg depending on sample nature			
			Balance required: Microbalance			
			Operating Principle: Combustion (Modified Dumas Method), followed by a reduction process, GC separation, and detection by thermal conductivity detector (TCD)			
			Automatic sample carousel samples or position: min and max: 32 position tray (MIN), upto 4 trays (MAX125 position)			
			Detector Type: TCD			
			Gas Handling and Gas Separation: separation with Gas Chromatography (GC) column			
			Mass Flow Controller Type: 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:			
			1 unit - Autosampler			
			2 set - Aspartic Acid STD 10g			
			1 set - Kit Standards CHNS/CHNS-O (4 flasks)			
			2 set - Kit 1000 Analyses CHNS / NCS / S with Pre-packed Quartz Reactor			
			1 set - Kit for Total Organic Carbon (TOC), includes: • Silver sample containers (set of 100) • Sample holder plate • Electric heater • Syringe 100 uL			
			Soft Silver Containers (Set of 100) for TOC			
			Balance required: Microbalance			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			1 unit - 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)			
			1 set –complete accessories for CNS Analyzer including spare o-rings, sample holder, cleaning device, forceps, spatula, and others that are essential for operation and CNS analysis			
			Includes delivery, installation and commissioning onsite by Service Engineer and onsite Comprehensive Training by Applications Chemist			
			With at least one (1) year warranty on parts and service and two (2) years free Preventive Maintenance Service			
			With End-User training ( No. of pax: At least 4 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			
			Delivery Site: BSWM Central Office			

**LOT 7: SUPPLY AND DELIVERY OF EQUIPMENT FOR CALIBRATION LABORATORY**

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
1	2025-00-0051	LSD	<b>Metrology Instruments</b>	1	unit	
			Specifications			
			1 unit - Calibration Climatic Chamber			
			Type: bench-top temperature and humidity test chamber			
			Temperature range: -40 to 150 °C			
			Temperature fluctuation: ±0.5 °C			
			Temperature Resolution: 0.01°C			
			Cooling rate:			
			150 to 25°C (1 to 2°C /min)			
			25 to -40°C (0.7 to 1°C /min)			
			Heating rate: 3 to 5°C /min			
			Temperature Uniformity:			
			±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:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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			
			Free PMS within warranty period			
			Training for four (4) end users at Manufacturer's Training Site, inclusive of all expenses			
			Delivery Site:			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			BSWM Central Office			
2	2025-00-0051	LSD	<b>Anemometer</b>	2	units	
			Specifications:			
			Real time data logger, save the data into the SD memory card and can be downloaded to the Excel			
			Air velocity : 0.2 to 25.0 m/s, high precision for low air velocity measurement.			
			Air flow : CMM, CFM.			
			m/s, ft/min, km/h, knots, mile/h, oC/oF.			
			Humidity : 5 to 95 %RH.			
			Dew point, Wet bulb.			
			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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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			
<b>4</b>	<b>2025-00-0051</b>	<b>LSD</b>	<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			
<b>5</b>	<b>2025-00-0051</b>	<b>LSD</b>	<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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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)			
			Thermocouple: -50°C to 800°C (-58°F to 1472°F)			
			Temp Resolution: 0.1°C (0.1°F)			
			Optical Resolution: 20:1 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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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			



Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			1x Cleaning Cloth			
			with ISO/IEC 17025 Calibration Certificate			
			Delivery Site: BSWM Central Office			
Subtotal of 2025-00-00512Lot 9						
					GRAND TOTAL	

#### **LOT 8: SUPPLY AND DELIVERY OF ENVIRONMENTAL MONITORING AND FIELD EQUIPMENT**

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
<b>1</b>	<b>2025-00-0052</b>	<b>LSD</b>	<b>Datalogger</b>	<b>3</b>	<b>pc</b>	
			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			
<b>2</b>	<b>2025-00-0052</b>	<b>LSD</b>	<b>Automatic Rain Gauge</b>	<b>1</b>	<b>pc</b>	
			Specifications:			
			Tipping Bucket Type with Datalogger/recording raingauge, and wired display			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			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	<b>Solar Radiation (Pyranometer)</b>	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	<b>Soil Moisture Meter</b>			

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 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	
5	2025-00-0136	LUPEZ	<b>Semi-Technical and Scientific Equipment</b>			
			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	1	pc	

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			Repeatability - 99% Resolution - 0.1% MCwb Accuracy - ±0.5% MCwb			
			Place of Delivery:			
			BSWM-NSWRRDC LU PEZ, 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: ±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			

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
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			
7	2025-01-0187	SSD	<b>Soil Hardness Meter</b>	4	pc	

Item no.	PR Number	End User	Item	Qty	Unit	Statement of Compliance
			(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)			
8	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: $\pm ( 5 \% + 5 d )$ F.S. @ 23 $\pm$ 5 , F.S. : full scale			
			Circuit Custom one-chip of microprocessor LSI circuit			
			Probe: 2 pins moisture electrode.			
			Data Hold: Freeze the display reading			
			Sampling Time: Approx. 0.8 second.			
			Operating Temperature: 0 to 50 . °C			
			Operating Humidity: Less than 80% R.H.			
			Power Supply: DC 1.5 V battery ( UM4/AAA ) x 4 PCs			
			Power Current: Approx. DC 5 mA			
			Weight: at least 267 g/ 0.58 LB. @ Battery is included.			
			Dimension: Meter body:172 x 40 x 40 mm ( 6.8" x 1.6" x 1.6" ) Probe body: 202 mm x Dia. 10 mm, 8" x Dia. 0.4" Total length ( meter + probe ) : 374 mm ( 14.7 " )			
			*Instruction Manual Included			
17	2025-01-0187	SSD	<b>Core Cylinder</b>	5	set	
			I.D.diam.50 x 51mm			
			Material: Stainless Steel 304			
			Quantity: 6pcs with a cloth case			

**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	<b>Horizontal Reciprocating shaker</b>	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					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Delivery Site: BSWM Central Office					
2	2025-00-0051	LSD	<b>Top Loading Balance</b>	<b>2</b>	<b>units</b>		<b>100,000.00</b>	<b>200,000.00</b>
			Capacity: 620g					
			Readability: 0.01g					
			Repeatability: 0.01g					
			Linearity: 0.02g					
			Operating Ambient Temperature: 10 - 30					
			Temperature Coefficient Sensitivity (ppm/C): ±5					
			Pan Size (mm) approx.: ø110					
			Power requirement: AC adaptor ( DC12V, 1A )					
			with ISO/IEC 17025 Calibration Certificate					
			at least 1 yr warranty on parts and service					
			Delivery Site: BSWM Central Office					
3	2025-00-0051	LSD	<b>Thermohygrometer (with Barometer)</b>	<b>30</b>	<b>units</b>		<b>50,000.00</b>	<b>1,500,000.00</b>
			Specifications:					
			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					



Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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	2025-00-0051	LSD	<b>Digital Burette, continuous</b>	3	units		75,000.00	225,000.00
			Specifications:					
			Nominal Volume: 50 mL					
			Accuracy in % ( $\pm$ ): 0.06%					
			Accuracy in $\mu$ l ( $\pm$ ): 30 $\mu$ l					
			Coefficient of variation (%): 0.02 %					
			Coefficient of variation in $\mu$ l: 10 $\mu$ l					
			PC interface: RS232					
			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					
			RS232 connector, CD software					
			Operation Manual, performance certificate					
			with ISO Calibration Certificate					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
6	2025-00-0051	LSD	<b>Desiccator Cabinet</b>	3	units		500,000.00	1,500,000.00

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Specifications:					
			Synchronized display of temperature and humidity					
			Adjustable humidity value 15~50%RH					
			Temperature display accuracy $\pm 1^{\circ}\text{C}$					
			Humidity display accuracy $\pm 3\%\text{RH}$					
			PPS fireproof plastic host with heat resistance up to $230^{\circ}\text{C}$					
			Passed CE international certification					
			Volume (liters): 1250 min					
			Number of doors: 6					
			with ISO Calibration Certificate					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0051-LFP-NSHP Lot 1								4,685,000.00
			PD 1435					
7	2025-00-0051	LSD	pH meter	1	unit		105,000.00	105,000.00
			Specifications:					
			pH					
			Range: -2.00 to 16.00 pH					
			Resolution: 0.1/0.01/0.001 pH					
			Accuracy: $\pm 0.002$ pH					
			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 $100.0^{\circ}\text{C}$ / $32.0$ to $212.0^{\circ}\text{F}$					
			Resolution: $0.1^{\circ}\text{C}$ / $0.1^{\circ}\text{F}$					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Accuracy: $\pm 0.3^{\circ}\text{C}$ / $\pm 0.5^{\circ}\text{F}$					
			Compensation: ATC					
			Power Requirements: 9 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					
8	2025-00-0051	LSD	EC meter	1	unit		105,000.00	105,000.00
			Specifications:					
			Conductivity					
			Range: 0.050 $\mu\text{S}$ to 500.0 mS					
			Resolution: 0.01 / 0.1 $\mu\text{S}$ ; 0.001 / 0.01 / 0.1 mS					
			Accuracy: $\pm 1\%$ full scale					
			Cal. Points: Up to 5					
			Cell Constant: 0.010 to 10.000					
			Temperature					
			Range (Meter): 0.0 to 100.0 $^{\circ}\text{C}$ / 32.0 to 212.0 $^{\circ}\text{F}$					
			Resolution: 0.1 $^{\circ}\text{C}$ / 0.1 $^{\circ}\text{F}$					
			Accuracy: $\pm 0.3^{\circ}\text{C}$ / $\pm 0.5^{\circ}\text{F}$					
			Coefficient (Per $^{\circ}\text{C}$ ): Linear & pure ; 0.000 to 10.000 %					
			Normalization: 15.0 to 30.0 $^{\circ}\text{C}$ / 59.0					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			to 86.0 °F					
			Compensation: ATC					
			Power Requirements: 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)					
			Inclusions:					
			EC Electrodes					
			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					
Subtotal of 2025-00-0051- RD-PD Lot 1								210,000.00
9	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					
			Streamlined handle					
			Adjustable, interchangeable, easy-grip ejector					
			Volume can be adjusted from the thumbwheel or the plunger button					
			Fully Autoclavable					
			Made from stainless steel, interior					
			with carousel, 1000 pipette tips per unit					
			with ISO/IEC 17025 Calibration Certificate					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
10	2025-00-0052	LSD	<b>Vortex Mixer</b>	40	pc	40,000.00		1,600,000.00
			Specifications:					
			Construction material: zinc alloy and technopolymer					
			Support system: 4 anti-sliding feet					
			Orbital diameter: 4.5 mm					
			Speed setting: analog					
			Speed control: electronic					
			Speed: up to 3000 rpm					
			Operating modes: touch, continuous					
			Electronic protection degree CEI EN 60529: IP 42					
			Power (max): 15 W					
			Weight (min): 2.7 Kg (5.9 lb)					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
11	2025-00-0052	LSD	<b>Bottletop Dispenser</b>	30	pc	49,000.00		1,470,000.00
			Specifications:					
			Capacity: 5-50 mL					
			Subdivision: 0.2 mL					
			Accuracy: <= +/-0.5%					
			Precision: <= 0.1%					
			with container bottle and adapters					
			with recirculation and discharge valve					
			with 1 year warranty on parts and services					
			with ISO/IEC 17025 Calibration					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Certificate					
			Delivery Site: BSWM Central Office					
12	2025-00-0052	LSD	Digital Titrator	30	pc	49,000.00		1,470,000.00
			Specifications:					
			Nominal Volume: 50 mL					
			Accuracy in % ( $\pm$ ): 0.06%					
			Accuracy in $\mu$ l ( $\pm$ ): 30 $\mu$ l					
			Coefficient of variation (%): 0.02 %					
			Coefficient of variation in $\mu$ l: 10 $\mu$ l					
			PC interface: RS232					
			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					
			RS232 connector, CD software					
			Operation Manual, performance certificate					
			with 1 year warranty on parts and services					
			with ISO/IEC 17025 Calibration Certificate					
			Delivery Site: BSWM Central Office					
13	2025-00-0052	LSD	Magnetic Stirrer	12	pc	49,000.00		588,000.00
			Specifications:					
			Stirring quantity max. per stirring position (H2O): 20 L					
			Speed display set-value: LCD					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Speed control: Turning knob					
			Speed range: 50 - 1500 rpm					
			Setting accuracy speed: 10 rpm					
			Heat output: 1000 W					
			Heat control: Turning knob					
			Temperature setting range: 0 - 500 °C					
			Voltage: 220-230 / 115 / 100 V					
			Frequency: 50/60 Hz					
			Power input: 1020 W					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0052 Lot 1								6,238,000.00
14	2025-01-0190	LSD	<b>Soil Chemistry</b>					
			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
			Delivery Site: BSWM Central Office					
			Bottle top dispenser, 5-50 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	2	pc	23,300.00		46,600.00
			Delivery Site: BSWM Central Office					
			Digital Thermohygrometer with Probe -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	10	pc	6,500.00		65,000.00

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Accuracy: $\pm 5\%$ RH mid-range to $\pm 8\%$ RH elsewhere Ambient Temperature Range: 32 to 122°F (0 to 50°C) Resolution: 0.1 % Accuracy: $\pm 1^\circ\text{C}$ Timing Capacity: 12/24 hrs Resolution: 1 minute					
			Delivery Site: BSWM Central Office					
			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: $\pm 5\%$ RH mid-range to $\pm 8\%$ RH elsewhere Ambient Temperature Range: 32 to 122°F (0 to 50°C) Resolution: 0.1 % Accuracy: $\pm 1^\circ\text{C}$ Timing Capacity: 12/24 hrs Resolution: 1 minute	10	pc	6,500.00		65,000.00
			Delivery Site: BSWM Central Office					
Subtotal of 2025-01-0190 Lot 1								203,300.00
GRAND TOTAL								11,336,300.00

## LOT 2: SUPPLY AND DELIVERY OF UV-VIS SPECTROPHOTOMETER

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0051	LSD	UV-VIS Spectrophotometer w/ computer and printer	1	units		1,500,000.00	1,500,000.00
			Specifications:					
			Photometric System – Double beam					
			Monochromator – Double monochromator / Monochromator with imaging grating or equivalent					
			Source – Xe / Halogen (Tungsten) - D2 Lamp					



Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Wavelength Range – 190-1100 nm					
			Detectors – Silicon photodiode detectors for simultaneous measurement of different channels					
			Wavelength accuracy (nm) $\pm$ 0.1 - 0.3 nm					
			Wavelength reproducibility/repeatability (nm) < 0.05					
			Limiting Resolution – 0.02 nm - 0.1 nm					
			Spectral bandwidth 0.1 to 5 nm at 0.01 nm					
			Data collection rate 250 data points per second					
			Desktop PC unit with printer and UPS					
			Unit with sipper (and 5 spare tubings) 3 extra lamp source (if source is Halogen (Tungsten) - D2 Lamp) printer, UV workstation software compatible with equipment, and complete genuine office and OS					
			With 5 pcs, 1000 ppm NIST Traceable Phosphorus Standard Solution corresponding (1) 500 mL / bottle & 5 pcs Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle					
			Desktop specifications:					
			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	MOOE	CO	Total Cost
			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:					
			Tablet compatible with the system (one per unit)					
			UV software					
			Sample holder					
			AVR (compatibel with the system)					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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					
			One (1) year warranty on parts and repair services					
			Free PMS for three (3) years inclusive of PM kits, consumables, and replacement of lamps within prescribed period					
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0051 Lot 2								1,500,000.00
							GRAND TOTAL	1,500,000.00

### LOT 3: SUPPLY AND DELIVERY OF SAMPLE PREPARATION EQUIPMENT

Item No.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0051	LSD	Plant Tissue Grinder	20	units		500,000.00	10,000,000.00
			Specifications:					
			Sample size: Up to 10mm, large inlet up to 40mm					
			Grinding rate/time: Appr. 4 g/s					
			Grinding speed: Impeller 10,000 rpm					
			Particle size: 0.3-2mm					
			Safety: Microswitch, motor brake					
			Power Supply: 200-240 V					
			Power consumption: 500-600 W					
			Dimensions (w x d x h) cm: 31.7 x 30.7 x 45.2 cm (min)					
			with complete accessories					
			with Validation Certificate					

Item No.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			with 1 year warranty on parts and services					
			Delivery sites:					
			16 RSLs, 3 Research Centers (Tanay, Bulacan, Bukidnon), and BSWM Quezon City					

**LOT 4: SUPPLY AND DELIVERY OF MICROBIOLOGICAL LABORATORY EQUIPMENT**

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0051	LSD	<b>Automated AST Workflow System</b>	1	unit		6,000,000.00	6,000,000.00
			Specifications:					
			Uses Broth Micro Dilution (BMD) Plate method for AST					
			Capable of performing wide range of Susceptibility Testing for: o Gram Negative Bacteria o Gram-Positive Bacteria o Anaerobe o Hemophilus o Yeast					
			Capable of performing Identification Testing for: o Gram Negative Bacteria o Gram-Positive Bacteria					
			Utilizes customizable 96-well microtiter plates using fluorescence and turbidimetry for ID and susceptibility					
			Includes Autoinoculation Machine for ID and AST Plates					
			Includes Nephelometer for inoculum standardization					
			AST Plates can be read manually, allowing critical interpretation of unusual patterns and eliminating the need to retest invalid results					
			It should come with a single, robust software platform that easily consolidates test program and streamline data entry					
			Can be interfaced to most LIS systems and service teams have the technical expertise to support through the whole process					
			with customizable Expert System that provides three-tiered expert messages: Information, Modification (based on FDA, CLSI, and EUCAST recommendations), and Warning Levels					
			with Quality Control Module and Epidemiology Module					
			With existing installation in the Philippines that uses customized plates for Veterinary Antimicrobial Susceptibility Testing and					

			Antimicrobial Surveillance Programs aligned with international guidelines					
			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					
			Laptop 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					
			Delivery Site: BSWM Central Office					
2	2025-00-0051	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)					
			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	2025-00-0051	LSD	<b>Automated Colony Counter</b>	2	units		1,650,000.00	3,300,000.00
			Specifications:					
			<u>Optical &amp; Imaging System</u> Camera: High-definition (HD) digital camera Detection Limit: Minimum colony size 0.05 mm Zoom: Adjustable optical and digital zoom Lighting System: LED illumination with adjustable intensity					

			<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 User Interface: Touchscreen-compatible with intuitive controls Connectivity: USB, Ethernet, Wi-Fi and LIMS connection ready					
			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)					
			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)					
			Delivery Site: BSWM Central Office					
4	2025-00-0051	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	2025-00-0051	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					
			Adjustable paddle speed up to 300 rpm					
			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 Lot 6								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
1	2025-00-0051	LSD	<b>Sieve Shaker</b>	1	unit		550,000.00	550,000.00
			Specifications:					
			Sieve Diameter: 3-4 inches					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Sieve Set: No. 10, 18, 35, 60, 140, 270					
			with cap and pan with 3-4 inches					
			with Digital and adjustable timer and vibrating intensity					
			sieving time from 1 to 999 minutes; with 0.1 sec accuracy					
			compact and quite					
			Power supply: 220 V,60 Hz 1ph					
			with 1 year warranty on parts and services					
			Delivery Site: BSWM Central Office					
2	2025-00-0051	LSD	<b>Particle Size Analyzer (Laser Diffraction)</b>	1	unit		8,500,000.00	8,500,000.00
			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					
			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: <10 sec					
			Optics					
			Red light source: Max. 4mW He-Ne,					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			632.8nm					
			Blue light source: Max Nominal 10mW LED, 470nm					
			Lens arrangement: Reverse Fourier (convergent beam)					
			Effective focal length: max 300mm					
			Size					
			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					
			Software					
			Enables an operating mode that assists with ER/ES compliance					
			System compliance					
			Laser class: Class 1, IEC60825-1:2007 and CFR Chapter I: Sub-chapterJ: Part 1040 (CDRH)					
			Regulatory : Designed to meet RoHS and WEEE requirements CE / FCC / ICE5-003 / VCCI compliant and Designed to meet C-Tick					
			System					
			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)					
			Accessories :					
			1 unit Wet Sample Dispersion unit					
			Compatible with 600mL and 1000mL					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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					
			Inclusions:					
			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)					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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 : $\pm 0.02$ g					
			ISO 13320:2020 guide or equivalent latest version					
			5 bottles (500g) of Soil Reference Material with Certificate of Analysis					
			Installation & Training :					
			On site installation and commissioning by factory-trained engineer and local					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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					
			Warranty :					
			One (1) year on parts and two (2) years on service from the date of installation which include preventive maintenance during warranty period					
			Delivery :					
			90 days upon receipt of notice to proceed / purchase order					
			Supplier shall submit an Authorization Certificate from the Manufacturer or the authorized sole distributor of the same brand in the Philippines					
			Delivery Site: BSWM Central Office					
<b>3</b>	<b>2025-00-0051</b>	<b>LSD</b>	<b>Core Sampler Set with sampling tubes</b>	13	units		1,000,000.00	13,000,000.00
			Specifications:					
			Soil Sample Shoe					
			Handle with beating head					
			Hammer with nylon					
			1 Brush and 3 knife set					
			Case (plastic)					
			17 sets Sampling tube (100ml)					
			Dimensions: I.D.diam.50 x 51mm					
			Material: Stainless steel 304					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Quantity: 6 pcs. with 2 lids in a cloth case per set					
			Inclusions					
			2 pcs Shovel					
			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					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Delivery Site: BSWM Central Office					
4	2025-00-0051	LSD	<b>Aggregate Stabilizer</b>	3	units		615,000.00	1,845,000.00
			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: 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					
5	2025-00-0051	LSD	<b>MIXER MILL</b>	1	unit		1,800,000.00	1,800,000.00
			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					



Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			<p>Accessories included: Tungsten Carbide Vial Set</p> <p>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.</p>					
			<p>Features:</p> <ol style="list-style-type: none"> <li>1. Steel housing protects the clamp mechanism and rugged construction ensures a long life of heavy work.</li> <li>2. Forced air cooling fan.</li> <li>3. Equipped with safety interlock system for operator protection.</li> <li>4. Shock-mounted electric motor for tabletop operation.</li> <li>5. Clamp swings back-and-forth with a short lateral "figure-8" movement.</li> <li>6. Timer is factory-set for 100-minute range. Optional chip is available to extend timer range to 175 hours (10,500 minutes).</li> </ol>					
			With at least one (1) year warranty on parts and service and two (2) years free Preventive Maintenance Service					
			With End-User training ( No. of pax: At least 3 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					
			<p>Delivery Site:</p> <p>BSWM Central Office</p>					
Subtotal of 2025-00-0051 Lot 7								25,695,000.00
							GRAND TOTAL	25,695,000.00

**LOT 6: SUPPLY AND DELIVERY OF CNS ANALYZER**

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0051	LSD	CNS Analyzer	1	unit		7,000,000.00	7,000,000.00
			Specifications:					
			Configuration: CNS					
			Sample weight: 0.01 - 100mg depending on sample nature					
			Balance required: Microbalance					
			Operating Principle: Combustion (Modified Dumas Method), followed by a reduction process, GC separation, and detection by thermal conductivity detector (TCD)					
			Automatic sample carousel samples or position: min and max: 32 position tray (MIN), upto 4 trays (MAX125 position)					
			Detector Type: TCD					
			Gas Handling and Gas Separation: separation with Gas Chromatography (GC) column					
			Mass Flow Controller Type: 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:					
			1 unit - Autosampler					
			2 set - Aspartic Acid STD 10g					
			1 set - Kit Standards CHNS/CHNS-O (4 flasks)					
			2 set - Kit 1000 Analyses CHNS / NCS / S with Pre-packed Quartz Reactor					
			1 set - Kit for Total Organic Carbon (TOC), includes: • Silver sample containers (set of 100) • Sample holder					

		plate • Electric heater • Syringe 100 uL					
		Soft Silver Containers (Set of 100) for TOC					
		Balance required: Microbalance					
		1 unit - 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)					
		1 set –complete accessories for CNS Analyzer including spare o-rings, sample holder, cleaning device, forceps, spatula, and others that are essential for operation and CNS analysis					
		Includes delivery, installation and commissioning onsite by Service Engineer and onsite Comprehensive Training by Applications Chemist					
		With at least one (1) year warranty on parts and service and two (2) years free Preventive Maintenance Service					
		With End-User training ( No. of pax: At least 4 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					
		Delivery Site: BSWM Central Office					
Subtotal of 2025-00-0051 Lot 8							7,000,000.00
GRAND TOTAL							7,000,000.00

**LOT 7: SUPPLY AND DELIVERY OF EQUIPMENT FOR CALIBRATION LABORATORY**

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0051	LSD	<b>Metrology Instruments</b>	1	unit		1,910,000.00	1,910,000.00
			Specifications					
			1 unit - Calibration Climatic Chamber					
			Type: bench-top temperature and humidity test chamber					
			Temperature range: -40 to 150 °C					
			Temperature fluctuation: ±0.5 °C					
			Temperature Resolution: 0.01°C					
			Cooling rate:					
			150 to 25°C (1 to 2°C /min)					
			25 to -40°C (0.7 to 1°C /min)					
			Heating rate: 3 to 5°C /min					
			Temperature Uniformity:					
			±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:					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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					
			Free PMS within warranty period					
			Training for four (4) end users at Manufacturer's Training Site, inclusive of all expenses					
			Delivery Site:					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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					
			Air velocity : 0.2 to 25.0 m/s, high precision for low air velocity measurement.					
			Air flow : CMM, CFM.					
			m/s, ft/min, km/h, knots, mile/h, oC/oF.					
			Humidity : 5 to 95 %RH.					
			Dew point, Wet bulb.					
			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		100,000.00	200,000.00
			Specifications:					
			Laser Photo & contact tachometer in one meter					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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		50,000.00	100,000.00
			Specifications:					
			Measurement Range: 2" to 330ft (0.05 to 100m)					
			Accuracy: ±0.08" (±2mm)					
			Resolution: 0.0", 0.00ft, 0.000m					
			Area calculation: 99,999ft², 99,999m²					
			Volume calculation: 99,999 ft³, 99,999 m³					
			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		210,000.00	210,000.00
			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	MOOE	CO	Total Cost
			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		210,000.00	210,000.00
			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					



Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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					
Subtotal of 2025-00-0051 Lot 9								2,830,000.00
7	2025-00-0052	LSD	IR and Contact Thermometer	30	pcs	49,000.00		1,470,000.00
			Temp Range					
			Infrared: -50°C to 1600°C (-58°F to 2912°F)					
			Thermocouple: -50°C to 800°C (-58°F to 1472°F)					
			Temp Resolution: 0.1°C (0.1°F)					
			Optical Resolution: 20:1 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					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			Delivery Site: BSWM Central Office					
8	2025-00-0052	LSD	Test Weights (Class F1)	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					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			1x Cleaning Cloth					
			with ISO/IEC 17025 Calibration Certificate					
			Delivery Site: BSWM Central Office					
Subtotal of 2025-00-00512Lot 9								3,430,000.00
							GRAND TOTAL	6,260,000.00

**LOT 8: SUPPLY AND DELIVERY OF ENVIRONMENTAL MONITORING AND FIELD EQUIPMENT**

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
1	2025-00-0052	LSD	Datalogger	3	pc	48,000.00		144,000.00
			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	48,000.00		48,000.00
			Specifications:					
			Tipping Bucket Type with Datalogger/recording raingauge, and wired display					
			Range up to 9.99" of rain (1/100"					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			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	<b>Solar Radiation (Pyranometer)</b>	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 Lot 10								207,000.00
4	2025-00-0053	WRMD	<b>Soil Moisture Meter</b>					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			- 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 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 Lot 10								480,000.00
5	2025-00-0136	LUPEZ	<b>Semi-Technical and Scientific Equipment</b>					
			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%	1	pc	20,000.00		20,000.00

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			MCwb Repeatability - 99% Resolution - 0.1% MCwb Accuracy - ±0.5% MCwb					
			Place of Delivery:					
			BSWM-NSWRRDC LU PEZ, San Ildefonso, Bulacan					
			Monday-Friday Only					
			8:00 A.M to 5:00 P.M					
Subtotal of 2025-00-0054 Lot 10								20,000.00
6	2025-00-0055	HILLPEZ	MOISTURE METER for Compost	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					

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
Subtotal of 2025-00-0055 Lot 10								20,000.00
7	2025-00-0051	LSD	Soil Nutrient Scanner	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 Lot 10								700,000.00
7	2025-01-0187	SSD	Soil Hardness Meter	4	pc	35,000.00		140,000.00

Item no.	PR Number	End User	Item	Qty	Unit	MOOE	CO	Total Cost
			(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)					
8	2025-01-0187	SSD	Digital Soil Moisture Meter	4	pc	20,000.00		80,000.00
			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					
			Sampling Time: Approx. 0.8 second.					
			Operating Temperature: 0 to 50 . °C					
			Operating Humidity: Less than 80% R.H.					
			Power Supply: DC 1.5 V battery ( UM4/AAA ) x 4 PCs					
			Power Current: Approx. DC 5 mA					
			Weight: at least 267 g/ 0.58 LB. @ Battery is included.					
			Dimension: Meter body:172 x 40 x 40 mm ( 6.8" x 1.6" x 1.6" ) Probe body: 202 mm x Dia. 10 mm, 8" x Dia. 0.4" Total length ( meter + probe ) : 374 mm ( 14.7 " )					
			*Instruction Manual Included					
17	2025-01-0187	SSD	Core Cylinder	5	set	36,000.00		180,000.00
			I.D.diam.50 x 51mm					
			Material: Stainless Steel 304					
			Quantity: 6pcs with a cloth case					
Subtotal of 2025-00-0055 Lot 10								400,000.00
					GRAND TOTAL			1,827,000.00





## ***Section VIII. Checklist of Technical and Financial Documents***

### **Notes on the Checklist of Technical and Financial Documents**

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or

Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary “pass/fail” criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

# Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE	
Class “A” Documents	
<u>Legal Documents</u>	
	(a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;
<u>Technical Documents</u>	
	(b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; <b>and</b>
	(c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; <b>and</b>
	(d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; <b>or</b> Original copy of Notarized Bid Securing Declaration; <b>and</b>
	(e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; <b>and</b>
	(f) Original duly signed Omnibus Sworn Statement (OSS); <b>and</b> if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
<u>Financial Documents</u>	
	(g) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC); <b>or</b> A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.
Class “B” Documents	

	<p>(h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;</p> <p><b><u>or</u></b></p> <p>duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.</p>
<i>Other documentary requirements under RA No. 9184 (as applicable)</i>	
	<p>(i) <i>[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]</i> Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.</p>
	<p>(j) Certification from the DTI if the Bidder claims preference as a Domestic</p>

	Bidder or Domestic Entity.
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FINANCIAL COMPONENT ENVELOPE	
	(a) Original of duly signed and accomplished Financial Bid Form; <b><u>and</u></b>
	(b) Original of duly signed and accomplished Price Schedule(s).



## **Annex A: Bid Securing Declaration Form**

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

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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]*

Download from: <https://www.gppb.gov.ph/downloadables.php>

**Price Schedule for Goods Offered from Abroad**  
*[shall be submitted with the Bid if bidder is offering goods from Abroad]*

**For Goods Offered from Abroad**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per Item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_





## Contract Agreement Form for the Procurement of Goods (Revised)

*[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]*

### CONTRACT AGREEMENT

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between [name of PROCURING ENTITY] of the Philippines (hereinafter called "the Entity") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures in specified currency]* (hereinafter called "the Contract Price").

#### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, viz.:
  - i. Philippine Bidding Documents (PBDs);
    - i. Schedule of Requirements;
    - ii. Technical Specifications;
    - iii. General and Special Conditions of Contract; and
    - iv. Supplemental or Bid Bulletins, if any
  - ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;  
  
Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
  - iii. Performance Security;
  - iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
  - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

*for:*

*for:*

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

**Acknowledgment**

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

## Omnibus Sworn Statement (Revised)

*[shall be submitted with the Bid]*

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];

2. *[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)];

3. [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;

4. 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;

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

6. *[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;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[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;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[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.
10. 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]*



## **Performance Securing Declaration (Revised)**

*[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]*

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

### **PERFORMANCE SECURING DECLARATION**

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years for the second offense, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee;
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

**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]*



## SAMPLE FORMS

### Statement of all Ongoing Government & Private Contracts Including Contracts Awarded but not yet Started

**Business Name:** \_\_\_\_\_

**Business Address:** \_\_\_\_\_

Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidders Role		a. Date Awarded b. Date Started c. Date of Completion	% of Accomplishment		Value of Outstanding Works / Undelivered Portion
			Description	%		Planned	Actual	
<u>Government</u>								
<u>Private</u>								
						Total Cost		

Submitted by: \_\_\_\_\_

(Printed Name and Signature)

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

## Statement of Completed Similar Contracts

**Business Name:**

**Business Address:**

Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidders Role		a. Date Awarded b. Date Started c. Date of Completion	Value of Works
			Description	%		
Note: The following documents shall be presented for verification of the above statement during Post-Qualification:					Total	

1 Notice of Award OR Notice to Proceed issued by the End user OR its equivalent;

2 Copy of actual contract OR its equivalent; and

3 Certificate of Completion OR End-user's Acceptance OR Proof of payment

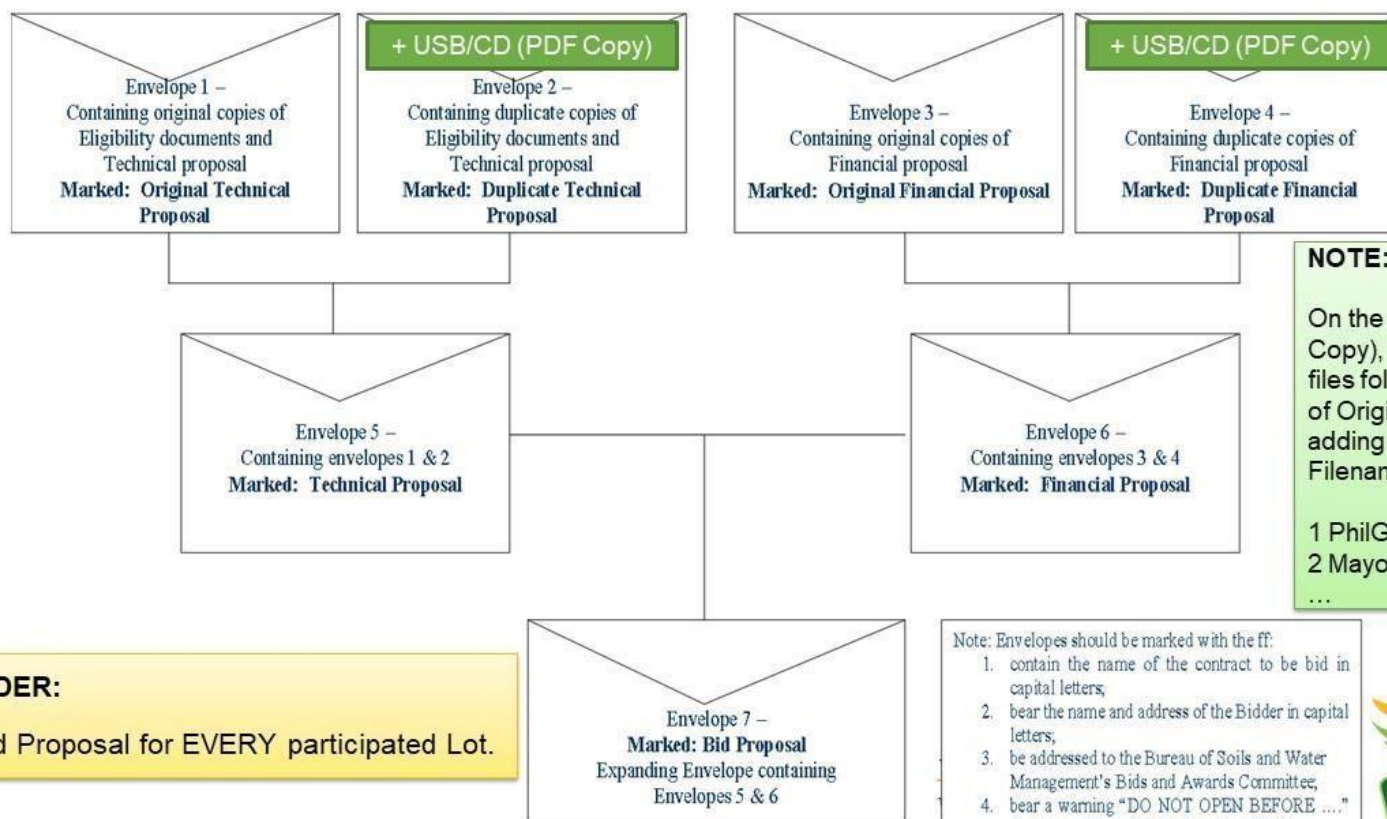
Submitted by: \_\_\_\_\_  
(Printed Name and Signature)

Designation: \_\_\_\_\_

Date: \_\_\_\_\_



# Sealing and Marking of Bid:



## NOTE:

On the USB/CD (PDF Copy), Please arrange files following sequence of Original Copy by adding number on the Filename.

1 PhilGEPS  
2 Mayors Permit  
...

## REMINDER:

One Bid Proposal for EVERY participated Lot.

Note: Envelopes should be marked with the ff:

1. contain the name of the contract to be bid in capital letters;
2. bear the name and address of the Bidder in capital letters;
3. be addressed to the Bureau of Soils and Water Management's Bids and Awards Committee;
4. bear a warning "DO NOT OPEN BEFORE ...." the date and time for the Opening of Bids.



