



BULACAN AGRICULTURAL STATE COLLEGE
San Ildefonso, Bulacan 3010

PROCUREMENT OF GOODS
2023-06G: Acquisition of Laboratory Equipment for the
Bulacan Agricultural State College for CY 2024

(Early Procurement Activity)

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.



BULACAN AGRICULTURAL STATE COLLEGE
San Ildefonso, Bulacan 3010

INVITATION TO BID

**INVITATION TO BID FOR 2023-06G: ACQUISITION OF
LABORATORY EQUIPMENT FOR THE BULACAN AGRICULTURAL
STATE COLLEGE FOR CY 2024**

1. The *Bulacan Agricultural State College*, through the **National Expenditure Program for Fiscal Year 2024** intends to apply the sum of Ten Million Five Hundred Pesos (Php2,000,000.00) being the ABC to payments under the contract for **2023-06G: Acquisition of Laboratory Equipment for the Bulacan Agricultural State College for CY 2024**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Bulacan Agricultural State College now invites bids for the above Procurement Project. Delivery of the Goods is required by not later than Ninety (90) calendar days upon receipt of Notice to Proceed. Awarding of the contract to the winning bidder however, shall be issued upon the approval and effectivity of the General Appropriations Act (GAA) or the reenactment of the previous year's budget which constitutes the current year's authorized budget as provided in Appendix 31 (Guidelines on the Implementation of Early Procurement Activities (EPA) of the Updated IRR of RA 9184). 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 No. 5183.

4. Prospective Bidders may obtain further information from *BULACAN AGRICULTURAL STATE COLLEGE* and inspect the Bidding Documents at the address given below during *office hours from 8AM to 4:30PM* Monday to Friday, except those declared as holidays.

5. A complete set of Bidding Documents may be acquired by interested Bidders on **November 10, 2023 to December 1, 2023** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Php11,000.00**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees by *presenting the receipt upon submission of their bid documents*.
6. The *Bulacan Agricultural State College* will hold a Pre-Bid Conference¹ on **November 17, 2023, 09:00 AM via Zoom Platform** (Meeting ID: 836 6422 3622, Passcode: 615068) which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **08:30 AM of December 1, 2023**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 14**.
9. Bid opening shall be on **December 1, 2023, 09:00 AM** at the **Conference Room, Ground Floor, Farmers Training Center, BASC, San Ildefonso, Bulacan**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *Observers will be invited to attend and witness the bid proceedings.*
11. The *Bulacan Agricultural State College* 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:

RONA ANGELA O. CLARIN
BAC Secretariat Head
BULACAN AGRICULTURAL STATE COLLEGE
Brgy. Pinaod, San Ildefonso, Bulacan
(044) 697-1240 and 0923-108-1526
ronaangela_clarin@basc.edu.ph
www.basc.edu.ph

13. You may visit the following websites:

For downloading of Bidding Documents: <http://www.basc.edu.ph>

November 17, 2023


RONALD REAGAN T. ALONZO, Ph.D.
BAC Chairperson

¹ May be deleted in case the ABC is less than One Million Pesos (Php1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

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, *Bulacan Agricultural State College* wishes to receive Bids for the *Acquisition of Laboratory Equipment for the Bulacan Agricultural State College for CY 2024* with identification number 2023-6G.

The Procurement Project (referred to herein as “Project”) is composed of *twenty two (22) items* 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 the Fiscal Year 2024 in the amount of *Ten Million Five Hundred Thousand Pesos only (Php10,500,000.00)*.

2.2. The source of funding is:

a. **NGA, the National Expenditure Program**

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. Not Applicable.

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 at least fifty percent (50%) of the ABC or have completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies*] of the ABC for this Project;

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 Procuring Entity has prescribed that:
a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and **through videoconferencing/webcasting** 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 *the last five (5) 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.

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 e.
 - 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 **Section VII (Technical Specifications)**.

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 Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration² 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 from the opening of bids*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each bidder shall submit one copy of the original of the first and second components of its Bid and plus two (2) copies of each kind, labeled as copy 1 and copy 2.

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 or through online submission as indicated in paragraph 7 of the **IB**.

² 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. 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.

- 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.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring 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.
- 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 15 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 One Project or Per Lot having several items that shall be awarded as one contract.
- 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. 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, 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**.

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**.

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:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. 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> <p>a. <i>Supply, Delivery, Installation of Laboratory Equipment</i></p> <p>b. completed within five (5) years prior to the deadline for the submission and receipt of bids that is equivalent to 50% of ABC or completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least <i>fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies</i>] of the ABC for this Project;</p>
7.1	<i>Subcontracting is not allowed.</i>
12	The bid prices of Goods and services supplied from outside of the Philippines shall be quoted in Philippine Pesos.
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> <p>a. The amount of not less than Php210,000.00. [(2%) of the ABC] if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</p> <p>b. The amount of not less than Php525,000.00. [(5%) of the ABC], if bid security is in Surety Bond.</p>
19.3	<i>The project will be awarded as a single project.</i>
20.2	<p>1. Income Tax Return (form 1701/1702) with Audited Financial Statement.,</p> <p>2. Business Tax Return (forms 2550M and 2550Q) prior to opening of Bids filed thru Electronic Filing and Payment System (EFPS). Only tax returns filed and taxes paid through the BIR Electronic Filing and Payment System (EFPS) shall be accepted.</p>
21.2	<i>Not Applicable</i>

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 ten (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 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

- 6.1. 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.
- 6.2. 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:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
1	<p>Delivery and Documents –</p> <p><i>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:</i></p> <p><i>For Goods supplied from abroad, “The delivery terms applicable to the Contract are DDP delivered at the Bulacan Agricultural State College, Pinaod, San Ildefonso, Bulacan. In accordance with INCOTERMS.”</i></p> <p><i>For Goods supplied from within the Philippines, “The delivery terms applicable to this Contract are delivered at the Bulacan Agricultural State College, Pinaod, San Ildefonso, Bulacan. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</i></p> <p><i>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</i></p> <p><i>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is Ms. Rona Angela O. Clarin, BASC Property Officer and/or Dr. John Edward Y. Cruz, Director for Planning and Development Office.</i></p> <p>Incidental Services –</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> <ul style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; 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 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.

	<p>Transportation –</p> <p><i>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 Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</i></p> <p>Intellectual Property Rights – 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.</p>
2.2	The terms of payment shall be as follows: Upon certification of complete delivery of items by the end user and BASC Inspection Team.”
4	The inspections and tests that will be conducted are: <i>On site testing of all items to be procured.</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.

Item Number	Description	Quantity	Delivered, Weeks/Months
1	<p><i>Full Automatic Triaxial Test Set</i></p> <p>Test Specimen: Soil Display: Digital Display Axial Force: 0-10kn, Measurement Accuracy: $\pm 1\%$ Shear Rate: 0.001-5.000mm/Min Specimen size: $\Phi 39.1 \times 80$mm Confining Pressure: 0-1MPa Backpressure: 0-1MPa Aperture Pressure: 01MPa Volume Change: 0-50ml</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
2	<p><i>Analytical Balance</i></p> <p>Accuracy: 0.0001g Display type: LCD Material: Stainless Steel Structure: Desktop Certification: CE or ISO Application: Industry, School, Hospital, Laboratory Calibration: Internal Capacity: 0-220g Readability: 0.1mg</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	2	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
3	<p><i>Fume Hood</i></p> <p>Size (W*D*H) (mm) 1200 x 850 x 2350 or 1500 x 850 x 2350</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan

	<p>or 1800 x 850 x 2350</p> <p>average windspeed: 0.3 - 0.6 m/s adjustable</p> <p>Noise Level: 60dB(a)</p> <p>Exhaust air rate: 1500 - 3000 m³/h</p> <p>Opening height: 20 - 750 mm</p> <p>Luminance: >300LX</p> <p>Power 220V/50HZ</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>		Agricultural State College
4	<p>Visible spectrophotometer</p> <p>Optical System: Single Beam 1200lines/mm</p> <p>Wave length Range:</p> <p>190~1100nm / 320~1100nm /340~1050nm</p> <p>Spectral Bandwidth: 2nm / 4nm</p> <p>Wavelength Accuracy</p> <p>±0.3nm / ±0.5nm / 1nm</p> <p>Wavelength Repeatability: ≤0.1 / ≤0.2nm</p> <p>Photometric Accuracy: 0.3%T / 0.5%T</p> <p>Photometric Repeatability: 0.2%T</p> <p>Photometric Range:0-200%T, 0.3 - 3A</p> <p>Stray light: 0.05%T / 0.1%T / 0.15%T</p> <p>Stability: ±0.0001A / ±0.0002A</p> <p>Baseline flatness: ±0.002A</p> <p>Noise: ±0.001A</p> <p>Wavelength Setting: Auto</p> <p>Light Source: Deuterium Lamp / Tungsten Lamp</p> <p>Display: LCD</p> <p>Detector: Silicon Photodiode</p> <p>Output: USB Port x1</p> <p>Power: AC 220V / 50Hz ; AC 110V/60Hz</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
5	<p>Flame photometer</p> <p>Display: 7 - 10 inch Color Touch Screen</p> <p>Reproducibility: <2%</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan

	<p>Stability: <3%</p> <p>Responsetime: <8 seconds (min)</p> <p>Printer: Integral Thermal Printer</p> <p>USB Data Output: Optional Fp Win Data Collection Software (equal or higher)\</p> <p>Supported Languages: English (and others)</p> <p>Concentration units: Ug/MI, Mg/100ml, Mmol/L, Meq/L</p> <p>Gases: LPG, Natural Gas, Propane, Butane, etc</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>		Agricultural State College
6	<p>Muffle furnace box type</p> <p>Capacity: up to 30L maximum</p> <p>Temperature: 1000°C - 1200°C</p> <p>Power Voltage: 10KW/380v or 12KW/380V</p> <p>Buckle Handle: 4</p> <p>Clamping force: up to 500kg</p> <p>Controller: Programable Controller</p> <p>Liner: High Aluminum, pressure resistance, Strong wear resistance, Uniform Heating, small temp. fluctuation, thermocouple temperature measurement sensitive response.</p> <p>with voltage regulator</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
7	<p>Electronic titrator</p> <p>Display: LED Touch Screen</p> <p>Chemical Analysis type: Karl Fischer Method</p> <p>Portable: Yes</p> <p>Application: Chemicals</p> <p>Analysis Method: Physical Analysis</p> <p>Type: karl Fished Moisture Meter</p> <p>Temperature Measuring: 0~100°C</p> <p>pH Measuring Range: 0~14.pH</p> <p>Mv Measuring range: ±1999mv</p> <p>Resolution: 0,01pH; 0.1mv;0.1°C</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	Repeatability: $\leq 0.2\text{mv}$ Power: AC 110v/220V $\pm 10\%$ 50/60Hz inclusion: with 1 year warranty with after sales services with installation/assembly with training		
8	<i>Drying Oven</i> Operational Method: Continuous Material: Stainless Steel Structure: Desktop Capacity: 140L Temp range: rt+10~250/300°C temp. Precision: 0.1°C Temp Fluctuation: $\pm 0.5^\circ\text{C}$ Ambient Temperature: 5~40°C Timing Range: 1~9999min Shelves No.: 2 Power Consumption: 1500W Power: AC 110v/220V $\pm 10\%$ 50/60Hz inclusion: with 1 year warranty with after sales services with installation/assembly with training	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
9	<i>Autoclave</i> Stainless steel Light Indicators for working state Over temperature & over pressure auto-protection Double Scale indication pressure gauge Safe protection water lacking Automatically shut of after sterilization 2 stainless steel sterilizing baskets Chamber volume: Maximum 150L Working Pressure: 0.22MPa Working Temperature: 134°C Heat average: $\leq \pm 1^\circ\text{C}$ Timer scope: 0~60min Temperature Scppe: 105 ~134°C	3	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	<p>Power: 2.5KW / AC220V.50Hz (min) 6KW / AC220V.50Hz (max)</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>		
10	<p><i>Automatic Kjeldahl Distillation Apparatus</i></p> <p>Control: Computer Control Display: Digital Accuracy Grade: 1 Mass Scope of Workpiece: <900kg Max Diameter for Workpiece: <500mm Power Supply 220V±10%, 50/60Hz Input power: 1250W Temperature Range: Ambient to -69°C Temperature Control Accuracy: ±0.5°C Refrigeration System: New Type Refrigeration Compressor Ambient Temperature: 10-35°C Relative Humidity: ≤85% Heating Power: 400w Filtration Filter: 363 Mesh Stainless Steel Wire Mesh</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
11	<p><i>Portable Animal Digital Ultrasound (B/W)</i></p> <p>Display: 4-5.7 inch High Resolution Color TFT LCD Probe model: Electronic Convex and Linear Elements of Probe: 80 (minimum) Standard Probe: 6.5MHz multi-frequency Linear rectal probe Frequency range: 4.5/5.5/6.5/7.5 MHz Optional probe: 4.0MHz multi Frequency Convex Rectal Probe Frequency Range: 2.0/ 2.5 / 4.0 / 5.0 MHz Optional probe: 3.5MHz multi-frequency convex probe; frequency range: 2.0 / 2.5 / 3.5 / 5.0 MHz</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	<p>Optional probe: 6.5MHz multi frequency intra cavity probe 6.5 MHz; frequency range: 4.5/5.5/6.5/7.5MHz</p> <p>Optional probe: 7.5 multi high frequency linear probe; frequency range: 5.5/6.5/7.5/9.0 MHz</p> <p>Optional probe: 5.0MHz multi micro convex probe; frequency range: 4.5/5.0/6.5/7.5 MHz</p> <p>Scanning angle: convex probe: 60°, intra-cavity probe: 135°</p> <p>Probe Connector: 1 pc, automotive identifying' function</p> <p>Receiving channel: ≥16 digital beam former</p> <p>Resolution: Horizontal ≤2mm, Vertical ≤1mm</p> <p>Dead Zone: ≤5mm</p> <p>Maximum Scanning Depth: ≥190cm</p> <p>Geometric Position Accuracy: Horizontal ≤5% Vertical ≤5%</p> <p>Scanning mode: B,2B,4B,B/M,M</p> <p>Full field image with 9 lever adjustment</p> <p>Gain range: general gain continuously adjustment (0~127dB)</p> <p>Dynamic range: 27~90dB, video adjustable</p> <p>4 kinds of angles/ width adjustment</p> <p>Gray: 256</p> <p>Imaging Technology: full digital beam forming continuously dynamic adjustment focusing, Dynamic aperture</p> <p>Image Storage: 100 frames permanent Storage</p> <p>Cine Loop: 256 frames</p> <p>Intelligent TGC Control: near-field and far field</p> <p>Imaging Processing: Pre-processing (Continuous, dynamic focusing,dynamic aperture,dynamic filtering)</p> <p>post processing (4 gamma correction)</p> <p>Correlation Processing (4 levers) Left, Right, positive/ negative,vertical, horizontal flip and B/W conversion, edge enhancement</p> <p>With image depth enhance and amplification</p> <p>Frame rate: 30 FPS</p>		
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	<p>Measurement: Distance Perimeter, Area, Volume</p> <p>Battery: 2400 Mah</p> <p>Dual Mode Output: PAL/NTSC</p> <p>Adapter: 40VA</p> <p>Power: 85v~242V, 48~62Hz</p> <p>Power Saving Function</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>		
12	<p>Sperm Analyzer</p> <p>Maximum of the tested sperms: 1000</p> <p>Range of test speed: 0-180um/s</p> <p>Frame number of picture: 0-75</p> <p>Resolution of particle in diameter: 0-150um/s</p> <p>Analysis time: 1-5 second (fastest)</p> <p>Group number of collected images: 1-15 groups</p> <p>Microscope objective lens: 10x 20x 25x 40x</p> <p>Displayed content of sperm test system is NOT less than</p> <ol style="list-style-type: none"> 1. Distribution curve of static sperms, 2. features data of semen and statistical data from analysis of all main functions 3. sperm dynamic trajectory curve 4. Display various sperms in motion speed and energy is arrhythmic map of sperms <p>Output conten from sperms test system is NOT less than:</p> <ol style="list-style-type: none"> 1. Main technical data of sperm 2 Sperm Dynamic trajectory curve 3. Analyusis and determinant histogram 4. Case information <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
13	<p>Herbarium Cabinet</p> <p>2 to 4 columes</p>	1	Not later than 90 Calendar Days to be delivered at

	13 to 15 levels Double wall Construction Heavy duty all steel welded cabinet Elasometric Door Seal (no adhesives) Rigid Chrome Push Plate 3 Pt Locking mechanism Removable Steel Shelf Drawer Air Space Safe type Heave 13 Gauge Lift off hinge Fumigant Compartments Chrome Label holder (3x5 card minimum) Key Lock Short Depth Shelf Fold at front of shelf Double panel air tight door inclusion: with 1 year warranty with after sales services with installation/assembly with training		the Bulacan Agricultural State College
14	<i>Soil test kit fertility nutrient analyzer</i> LCD display Print: Print test date, sample number, sample items, sample contents, variety Large Capacity sotrage (time, place, fertilizers), data can be checked at anytime Test: N, P, K, organic matter, salinity and pH in soil , fertilizer and plants Can set crop variety, crop yield, fertilizer variety, and automatically count the fertilizing amount SOIL NUTRIENT Stability: Absorbency of light drift <0.003 Repeatability: Absorbency of light <0.005 Linearity erros: Red light for Copper Blue light for potassium dicromate <3.0% Sensitivity: Red light $\geq 4.5 \times 10^{-5}$ Blue light $\geq 3.17 \times 10^{-3}$ Wavelenght: Red light $620 \pm 5\text{nm}$ Blue light $440 \pm 5\text{nm}$ Anti Knocking performance: Qualified	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	<p>Ph Testing Range: 1 - 14 Error: $\pm 0.5\%$</p> <p>Salinity Testing Range: 0.01% - 1.00% Error: $\pm 5\%$</p> <p>Power Supply: 220v/110V $\pm 10\%$ 50/60Hz</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>		
15	<p>Laboratory flow meter</p> <p>Barrel parameters: inner hole $9.550 \pm 0.005\text{mm}$ (min) Pistons parameters: Piston head: $9.474 \pm 0.005\text{mm}$ Outlet length $8.000 \pm 0.025\text{mm}$ Parameters: Extrusion hole: $1=2.095 \pm 0.005\text{mm}$ Temperature range: room temp-450 degree centigrade Temperature Fluctuation: $\pm 0.2^\circ\text{C}$ Temperature uniformity: $\pm 1^\circ\text{C}$ Temperature Display resolution: 0.1°C Display Resolution: 0.1°C Maximum Consumption: <600W Time Display Resolution: 0.1s Weight Capacity: 0.325kg to 21.6kg</p> <p>Position Detection Loop distance Up Down: 30mm Control Precision $\pm 0.1\text{mm}$</p> <p>Test flow control Times of cutting the material: 0-10times Material cutting interval 0-999</p> <p>Control flow reaches the set temp w/o volatility Barrel temp time: 15min Material be installed: 1 Material sample temp recovery time: 4min Binder set: 1 min</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	<p>Output mode: Micro Automatic Print output</p> <p>Test load: 8 sets of weights</p> <p>Cut material method: automatic</p> <p>Power AC220v \pm 10% 50/60Hz</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>		
16	<p><i>Binocular Microscope w/ LCD</i></p> <p><i>Viewing Head:</i></p> <p>5" - 7" LCD</p> <p><i>Nosepiece:</i></p> <p>Ball bearing quadruple nosepiece</p> <p><i>Eyepiece:</i></p> <p>Wide field plane-scope eyepiece WF10X18mm</p> <p><i>Objective:</i></p> <p>1. Achromatic 4X, 40X, 40X(S), 100X(S Oil)</p> <p>2. Plan achromatic 4X, 40X, 40X (S), 100X (S, Oil)</p> <p><i>Stage:</i></p> <p>Double layer mechanical stage</p> <p><i>Condenser:</i></p> <p>Abbe NA1.25 Condenser with Iris diaphragm & filter, rack & pinion adjustment.</p> <p><i>Illumination:</i></p> <p>Built-in illumination, halogen lamp, 6V/20W, power supply: 90-230V/3W LED</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	4	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
17	<p><i>Trinocular Microscope</i></p> <p>Image sensor: 1/2.5" Color 5 megapixel CMOS</p> <p>Effective pixel: 2048x1536</p> <p>Pixel size 2.2x2.2um</p> <p>LCD Screen size: 9.7" 1024x768 IPS LCD</p>	4	Not later than 90 Calendar Days to be delivered at the Bulacan

	<p>Frame rate: 15 Definition: FULL HD White Balance" Auto and Manual Operating System: Android 4.2.2 or higher Brightness Control: auto and manual Color: RGB Supports: Edge Enhancement, Film and Video, measurement, digital denoiser SD Card Interface: 32G SD 2.0, standard size, non visual design, maximum 32G Interface: Standard HDMI Output Lens: C Usb interface: USB2.0</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>		Agricultural State College
18	<p>Thermostatic water bath Capacity: 23L Power: 1000w Temperature Range: RT+5 -99°C Temperature Fluctuation: ±0.5°C Timer: 0-999min Voltage: 110V 60Hz /220V 50Hz</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	2	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
19	<p>Mycotoxin Analyzer Compact, Economical, standalone micro stirp reader with a log software Calculate result automatically more than 120 user-entered tests interactive LCD touch screen with USB Mouse optionm superb optics, onboard curve-fitting software and built-in printer</p> <p>Components 1 Microwell Reader 1 Touch Screen Protector 2 paper rolls</p>	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	1 photometer lamp 1 adhesive dress panel 1 12-well strip carrier 1 8-well strip carrier 1 manual 1 cover 1 usb connector 1 power supply cord inclusion: with 1 year warranty with after sales services with installation/assembly with training		
20	Soil Analysis Calcium chloride solution (CaCl ₂) sufficient for 110 soil extracts calcium acetate lactate solution (CAL) sufficient for 7 soil extracts, 1 set of scales, 1 soil sieve, 1 funnel, 1 double-ended spatula, 3 syringes, 1 spray bottle, 1 measuring cylinder, 1 can, 2 shakers, 1 plastic shovel, 100 folded filters, 1 set of instructions inclusion: with 1 year warranty with after sales services with installation/assembly with training	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
21	Centrifuge (Hematocrit) Speed= 12,000rpm (fixed) R.C.F= 14,648g Timer= 0~15 min. mechanical timer Motor= Universal motor Capacity= 24 x capillary tube (Diam. 1.5x75mm) Standard Accessory=Percentage Reader(Aluminum)	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College

	Optional Accessory= Disc reader (plastic) Weight (kg)= N.W 9.0 / G.W. 9.5 Overall Dimension= W300xD300xH240mm Power supply= AC 110V 60Hz (220V, 50/60Hz available) inclusion: with 1 year warranty with after sales services with installation/assembly with training		
22	Centrifuge(Eppendorf) Digital Display Automatic lid release function Separate short spin key for short centrifugation Rotation speed: 800 - 13400rpm Maximum centrifugal force: 12100G Maximum throughput: 1.5 - 2.0 mL inclusion: with 1 year warranty with after sales services with installation/assembly with training	1	Not later than 90 Calendar Days to be delivered at the Bulacan Agricultural State College
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> <p><i>[signature]</i></p> </div> <div style="width: 45%;"> <hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> <p><i>[in the capacity of]</i></p> </div> </div> <div style="margin-top: 20px;"> Duly authorized to sign Bid for and on behalf of _____ </div>			

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

[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.]

Item	Specification	Statement of Compliance
1	<p>Full Automatic Triaxial Test Set</p> <p>Test Specimen: Soil Display: Digital Display Axial Force: 0-10kn, Measurement Accuracy: $\pm 1\%$ Shear Rate: 0.001-5.000mm/Min Specimen size: $\Phi 39.1 \times 80$mm Confining Pressure: 0-1MPa Backpressure: 0-1MPa Aperture Pressure: 01MPa Volume Change: 0-50ml</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
2	<p>Analytical Balance</p> <p>Accuracy: 0.0001g Display type: LCD Material: Stainless Steel Structure: Desktop Certification: CE or ISO Application: Industry, School, Hospital, Laboratory Calibration: Internal Capacity: 0-220g Readability: 0.1mg</p> <p>inclusion:</p>	

	with 1 year warranty with after sales services with installation/assembly with training	
3	<p>Fume Hood</p> <p>Size (W*D*H) (mm) 1200 x 850 x 2350 or 1500 x 850 x 2350 or 1800 x 850 x 2350</p> <p>average windspeed: 0.3 - 0.6 m/s adjustable Noise Level: 60dB(a) Exhaust air rate: 1500 - 3000 m³/h Opening height: 20 - 750 mm Luminance: >300LX Power 220V/50HZ</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
4	<p><i>Visible spectrophotometer</i></p> <p>Optical System: Single Beam 1200lines/mm Wave length Range: 190~1100nm / 320~1100nm /340~1050nm Spectral Bandwidth: 2nm / 4nm Wavelength Accuracy ±0.3nm / ±0.5nm / 1nm Wavelength Repeatability: ≤0.1 / ≤0.2nm Photometric Accuracy: 0.3%T / 0.5%T Photometric Repeatability: 0.2%T Photometric Range:0-200%T, 0.3 - 3A Stray light: 0.05%T / 0.1%T / 0.15%T Stability: ±0.0001A / ±0.0002A Baseline flatness: ±0.002A Noise: ±0.001A Wavelength Setting: Auto Light Source: Deuterium Lamp / Tungsten Lamp Display: LCD Detector: Silicon Photodiode Output: USB Port x1 Power: AC 220V / 50Hz ; AC 110V/60Hz</p> <p>inclusion:</p>	

	with 1 year warranty with after sales services with installation/assembly with training	
5	<p><i>Flame photometer</i></p> <p>Display: 7 - 10 inch Color Touch Screen Reproducibility: <2% Stability: <3% Responsetime: <8 seconds (min) Printer: Integral Thermal Printer USB Data Output: Optional Fp Win Data Collection Software (equal or higher)\ Supported Languages: English (and others) Concentration units: Ug/MI, Mg/100ml, Mmol/L, Meq/L Gases: LPG, Natural Gas, Propane, Butane, etc</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
6	<p><i>Muffle furnace box type</i></p> <p>Capacity: up to 30L maximum Temperature: 1000°C - 1200°C Power Voltage: 10KW/380v or 12KW/380V Buckle Handle: 4 Clamping force: up to 500kg Controller: Programable Controller Liner: High Aluminum, pressure resistance, Strong wear resistance, Uniform Heating, small temp. fluctuation, thermocouple temperature measurement sensitive response. with voltage regulator</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
7	<p><i>Electronic titrator</i></p> <p>Display: LED Touch Screen Chemical Analysis type: Karl Fischer Method</p>	

	<p>Portable: Yes Application: Chemicals Analysis Method: Physical Analysis Type: karl Fished Moisture Meter Temperature Measuring: 0~100°C pH Measuring Range: 0~14.pH Mv Measuring range: ±1999mv Resolution: 0,01pH; 0.1mv;0.1°C Repeatability: ≤0.2mv Power: AC 110v/220V±10% 50/60Hz</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
8	<p><i>Drying Oven</i></p> <p>Operational Method: Continuous Material: Stainless Steel Structure: Desktop Capacity: 140L Temp range: rt+10~250/300°C temp. Precision: 0.1°C Temp Fluctuation: ±0.5°C Ambient Temperature: 5~40°C Timing Range: 1~9999min Shelves No.: 2 Power Consumption: 1500W Power: AC 110v/220V±10% 50/60Hz</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
9	<p><i>Autoclave</i></p> <p>Stainless steel Light Indicators for working state Over temperature & over pressure auto-protection Double Scale indication pressure gauge Safe protection water lacking Automatically shut of after sterilization 2 stainless steel sterilizing baskets</p>	

	<p>Chamber volume: Maximum 150L</p> <p>Working Pressure: 0.22MPa Working Temperature: 134°C Heat average: $\leq \pm 1^\circ\text{C}$ Timer scope: 0~60min Temperature Scppe: 105 ~134°C</p> <p>Power: 2.5KW / AC220V.50Hz (min) 6KW / AC220V.50Hz (max)</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
10	<p><i>Automatic Kjeldahl Distillation Apparatus</i></p> <p>Control: Computer Control Display: Digital Accuracy Grade: 1 Mass Scope of Workpiece: <900kg Max Diameter for Workpiece: <500mm Power Supply 220V\pm10%, 50/60Hz Input power: 1250W Temperature Range: Ambient to -69°C Temerature Control Accuracu: $\pm 0.5^\circ\text{C}$ Refrigeration System: New Type Refrigeration Compressor Ambient Temperature: 10-35°C Relative Humidity: $\leq 85\%$ Heating Power: 400w Filtration Filter: 363 Mesh Stainless Steel Wire Mesh</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
11	<p><i>Portable Animal Digital Ultrasound (B/W)</i></p> <p>Display: 4-5.7 inch High Resolution Color TFT LCD Probe model: Electronic Convex and Linear Lements of Probe: 80 (minimum)</p>	

	<p>Standard Probe: 6.5MHz multi-frequency Linear rectal prob Frequency range: 4.5/5.5/6.5/7.5 MHz</p> <p>Optional probe: 4.0MHz multi Frequency Convex Rectal Probe Frequency Range: 2.0/ 2.5 / 4.0 / 5.0 MHz</p> <p>Optional probe: 3.5MHz multi-frequency convex probe; frequency range: 2.0 / 2.5 / 3.5 / 5.0 MHz</p> <p>Optional probe: 6.5MHz multi frequency intra cavity probe 6.5 MHz; frequency range: 4.5/5.5/6.5/7.5MHz</p> <p>Optional probe: 7.5 multi high frequency linear probe; frequency range: 5.5/6.5/7.5/9.0 MHz</p> <p>Optional probe: 5.0MHz multi micro convex probe; frequency range: 4.5/5.0/6.5/7.5 MHz</p> <p>Scanning angle: convex probe: 60°, intra-cavity probe: 135°</p> <p>Probe Connector: 1 pc, automative identifying' function</p> <p>Receiving channel: ≥16 digital beam former</p> <p>Resolution: Horizontal ≤2mm, Vertical ≤1mm</p> <p>Dead Zone: ≤5mm</p> <p>Maximum Scanning Depth: ≥190cm</p> <p>Geometric Position Accuracy:Horizontal ≤5% Vertical ≤5%</p> <p>Scanning mode: B,2B,4B,B/M,M</p> <p>Full field image with 9 lever adjustment</p> <p>Gain range: general gain continuously adjustment (0~127dB)</p> <p>Dynamic range: 27~90dB, video adjustable</p> <p>4 kinds of angles/ width adjustment</p> <p>Gray: 256</p> <p>Imaging Technology: full digital beam forming continuously dynamic adjustment focusing, Dynamic aperture</p> <p>Image Storage: 100 frames permanent Storage</p> <p>Cine Loop: 256 frames</p> <p>Intelligent TGC Control: near-field and far field</p> <p>Imaging Processing: Pre-processing (Continuous,</p>	
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	<p>dynamic focusing,dynamic aperture,dynamic filtering)</p> <p>post processing (4 gamma correction)</p> <p>Correlation Processing (4 levers) Left, Right, positive/negative,vertical, horizontal flip and B/W conversion, edge enhancement</p> <p>With image depth enhance and amplification</p> <p>Frame rate: 30 FPS</p> <p>Measurement: Distance Perimeter, Area, Volume</p> <p>Battery: 2400 Mah</p> <p>Dual Mode Output: PAL/NTSC</p> <p>Adapter: 40VA</p> <p>Power: 85v~242V, 48~62Hz</p> <p>Power Saving Function</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	
12	<p><i>Sperm Analyzer</i></p> <p>Maximum of the tested sperms: 1000</p> <p>Range of test speed: 0-180um/s</p> <p>Frame number of picture: 0-75</p> <p>Resolution of particle in diameter: 0-150um/s</p> <p>Analysis time: 1-5 second (fastest)</p> <p>Group number of collected images: 1-15 groups</p> <p>Microscope objective lens: 10x 20x 25x 40x</p> <p>Displayed content of sperm test system is NOT less than</p> <ol style="list-style-type: none"> 1. Distribution curve of static sperms, 2. features data of semen and statistical data from analysis of all main functions 3. sperm dynamic trajectory curve 4. Display various sperms in motion speed and energy is arrhythmic map of sperms <p>Output conten from sperms test system is NOT less than:</p> <ol style="list-style-type: none"> 1. Main technical data of sperm 2 Sperm Dynamic trajectory curve 3. Analyusis and determinant histogram 4. Case information 	

	<p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	
13	<p><i>Herbarium Cabinet</i></p> <p>2 to 4 columns</p> <p>13 to 15 levels</p> <p>Double wall Construction</p> <p>Heavy duty all steel welded cabinet</p> <p>Elastometric Door Seal (no adhesives)</p> <p>Rigid Chrome Push Plate</p> <p>3 Pt Locking mechanism</p> <p>Removable Steel Shelf Drawer</p> <p>Air Space</p> <p>Safe type Heavy 13 Gauge Lift off hinge</p> <p>Fumigant Compartments</p> <p>Chrome Label holder (3x5 card minimum)</p> <p>Key Lock</p> <p>Short Depth Shelf</p> <p>Fold at front of shelf</p> <p>Double panel air tight door</p> <p>inclusion:</p> <p>with 1 year warranty</p> <p>with after sales services</p> <p>with installation/assembly</p> <p>with training</p>	
14	<p><i>Soil test kit fertility nutrient analyzer</i></p> <p>LCD display</p> <p>Print: Print test date, sample number, sample items,</p> <p>sample contents, variety</p> <p>Large Capacity storage (time, place, fertilizers), data</p> <p>can be checked at anytime</p> <p>Test: N, P, K, organic matter, salinity and pH in soil</p> <p>, fertilizer and plants</p> <p>Can set crop variety, crop yield, fertilizer variety, and</p> <p>automatically count the fertilizing amount</p> <p>SOIL NUTRIENT</p> <p>Stability: Absorbency of light drift <0.003</p>	

	<p>Repeatability: Absorbency of light <0.005 Linearity errors: Red light for Copper Blue light for potassium dicromate $<3.0\%$ Sensitivity: Red light $\geq 4.5 \times 10^{-5}$ Blue light $\geq 3.17 \times 10^{-3}$ Wavelength: Red light $620 \pm 5\text{nm}$ Blue light $440 \pm 5\text{nm}$ Anti Knocking performance: Qualified</p> <p>Ph Testing Range: 1 - 14 Error: $\pm 0.5\%$</p> <p>Salinity Testing Range: 0.01% - 1.00% Error: $\pm 5\%$</p> <p>Power Supply: 220v/110V $\pm 10\%$ 50/60Hz</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
15	<p>Laboratory flow meter</p> <p>Barrel parameters: inner hole $9.550 \pm 0.005\text{mm}$ (min) Pistons parameters: Piston head: $9.474 \pm 0.005\text{mm}$ Outlet length $8.000 \pm 0.025\text{mm}$ Parameters: Extrusion hole: $1=2.095 \pm 0.005\text{mm}$ Temperature range: room temp-450 degree centigrade Temperature Fluctuation: $\pm 0.2^\circ\text{C}$ Temperature uniformity: $\pm 1^\circ\text{C}$ Temperature Display resolution: 0.1°C Display Resolution: 0.1°C Maximum Consumption: $<600\text{W}$ Time Display Resolution: 0.1s Weight Capacity: 0.325kg to 21.6kg</p> <p>Position Detection Loop distance Up Down: 30mm Control Precision $\pm 0.1\text{mm}$</p> <p>Test flow control</p>	

	<p>Tmes of cutting the material: 0-10times Material cutting interval 0-999</p> <p>Control flow reaches the set temp w/o volatility Barrel temp time: 15min Material be installed: 1 Material sample tem recovery time: 4min Binder set: 1 min</p> <p>Output mode: Micro Automatic Print output Test load: 8 sets of weights Cut material method: automatic Power AC220v \pm 10% 50/60Hz</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
16	<p><i>Binocular Microscope w/ LCD</i> <i>Viewing Head:</i> 5" - 7" LCD</p> <p><i>Nosepiece:</i> Ball beating quadruple nosepiece</p> <p><i>Eyepiece:</i> Wide field plane-scope eyepiece WF10X18mm</p> <p><i>Objective:</i> 1. Achromatic 4X, 40X, 40X(S), 100X(S Oil) 2. Plan achromatic 4X, 40X, 40X (S), 100X (S, Oil)</p> <p><i>Stage:</i> Double layer mechanical stage</p> <p><i>Condenser:</i> Abbe NA1.25 Condenser with Iris diaphragm & filter, rack & piion adjustment.</p> <p><i>Illumination:</i> Built-in illumination, halogen lamp, 6V/20W, power supply: 90-230V/3W LED</p> <p>inclusion:</p>	

	with 1 year warranty with after sales services with installation/assembly with training	
17	<p>Trinocular Microscope</p> Image sensor: 1/2.5" Color 5 megapixel CMOS Effective pixel: 2048x1536 Pixel size 2.2x2.2um LCD Screen size: 9.7" 1024x768 IPS LCD Frame rate: 15 Definition: FULL HD White Balance" Auto and Manual Operating System: Android 4.2.2 or higher Brightness Control: auto and manual Color: RGB Supports: Edge Enhancement, Film and Video, measurement, digital denoiser SD Card Interface: 32G SD 2.0, standard size, non visual design, maximum 32G Interface: Standard HDMI Output Lens: C Usb interface: USB2.0	
	inclusion: with 1 year warranty with after sales services with installation/assembly with training	
18	<p>Thermostatic water bath</p> Capacity: 23L Power: 1000w Temperature Range: RT+5 -99°C Temperature Fluctuation: ±0.5°C Timer: 0-999min Voltage: 110V 60Hz /220V 50Hz	
	inclusion: with 1 year warranty with after sales services with installation/assembly with training	
19	<p>Mycotoxin Analyzer</p> Compact, Economical, standalone micro stirp reader with a log software Calculate result automatically	

	<p>more than 120 user-entered tests interactive LCD touch screen with USB Mouse optionm superb optics, onboard curve-fitting software and built-in printer</p> <p>Components 1 Microwell Reader 1 Touch Screen Protector 2 paper rols 1 photometer lamp 1 adhesive dress panel 1 12-well strip carrier 1 8-well strip carrier 1 manual 1 cover 1 usb connector 1 power supply cord</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
20	<p>Soil Analysis</p> <p>Calcium chloride solution (CaCl₂) sufficient for 110 soil extracts calcium acetate lactate solution (CAL) sufficient for 7 soil extracts, 1 set of scales, 1 soil sieve, 1 funnel, 1 double-ended spatula, 3 syringes, 1 spray bottle, 1 measuring cylinder, 1 can, 2 shakers, 1 plastic shovel, 100 folded filters, 1 set of instructions</p> <p>inclusion: with 1 year warranty with after sales services</p>	

	with installation/assembly with training	
21	<p>Centrifuge (Hematocrit) Speed= 12,000rpm (fixed) R.C.F= 14,648g Timer= 0~15 min. mechanical timer Motor= Universal motor Capacity= 24 x capillary tube (Diam. 1.5x75mm) Standard Accessory=Percentage Reader(Aluminum) Optional Accessory= Disc reader (plastic) Weight (kg)= N.W 9.0 / G.W. 9.5 Overall Dimension= W300xD300xH240mm Power supply= AC 110V 60Hz (220V, 50/60Hz available)</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
22	<p>Centrifuge(Eppendorf) Digital Display Automatic lid release function Separate short spin key for short centrifugation Rotation speed: 800 - 13400rpm Maximum centrifugal force: 12100G Maximum throughput: 1.5 - 2.0 mL</p> <p>inclusion: with 1 year warranty with after sales services with installation/assembly with training</p>	
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>_____</p> <p><i>[signature]</i></p> </div> <div style="width: 45%;"> <p>_____</p> <p><i>[in the capacity of]</i></p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p>Duly _____</p> </div> <div style="width: 45%;"> <p>authorized to sign Bid for and on behalf of</p> </div> </div>		

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:

- a. 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
- b. 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

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
or
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
and
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- ☐ (f) 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; **and**
- ☐ (g) 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; **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ (j) Original duly signed Omnibus Sworn Statement (OSS);
and 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.

Financial Documents

- ☐ (k) The Supplier’s audited financial statements, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (l) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC);

or

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class “B” Documents

- ☐ (m) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;

or

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.

Other documentary requirements under RA No. 9184 (as applicable)

- ☐ (n) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* 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.
- ☐ (o) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

25 FINANCIAL COMPONENT ENVELOPE

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

Bid Form

Date: _____
Project Identification No. 2023-06G

To: **BULACAN AGRICULTURAL STATE COLLEGE**
Brgy. Pinaod, San Ildefonso, Bulacan 3010

Gentlemen and/or Ladies:

Having examined the Bidding Documents including Bid Bulletin Numbers_____ *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and delivery of **2023-06G: Acquisition of Laboratory Equipment for the Bulacan Agricultural State College for CY 2024** in conformity with the said Bidding Documents for the sum of _____ (PhP _____) *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in the bidding documents provisions and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:³

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____
(if none, state "None")		

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per the Bidding Documents.

We likewise certify/confirm that the undersigned, *[for sole proprietorships, insert: as the owner and sole proprietor or authorized representative of Name of Bidder, has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the Name of Project of the Name of the Procuring Entity] [for partnerships, corporations, cooperatives, or joint ventures, insert: is granted full power and authority by the Name of Bidder, to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for Name of Project of the Name of the Procuring Entity].*

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Dated this _____ day of _____ 2023.

[Signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Price Schedule

Name of Bidder _____. Invitation to Bid Number 2023-06G Page ____ of ____.

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	GRAND TOTAL	(IN WORDS)							(IN FIGURES)

[signature] [in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

[Bidder's Letterhead]

Name of the Procuring Entity : BULACAN AGRICULTURAL STATE COLLEGE

Project: 2023-06G: Acquisition of Laboratory Equipment for the Bulacan Agricultural State College for CY 2024

Location of the Project : San Ildefonso, Bulacan

List 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	Bidder's 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>								
Note: This statement shall be supported with:						Total Cost		

- 1 Notice of Award (for government projects)**
- 2 Notice to Proceed (for government projects)**
- 3 Contract**

Submitted by : _____
(Printed Name & Signature)

Designation : _____
 Date : _____

[Bidder's Letterhead]

Name of the Procuring Entity : BULACAN AGRICULTURAL STATE COLLEGE

Project: 2023-06G: Acquisition of Laboratory Equipment for the Bulacan Agricultural State College for CY 2024

Location of the Project : San Ildefonso, Bulacan

Statement of Single Largest Completed Contracts (SLCC) in the last five (5) years

Business Name : _____ Business Address : _____

Name of Contract	a. Owner Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		
<u>Government</u>						
<u>Private</u>						

Attached herewith are the following documents: Contract Agreement, Notice of Award, Notice to Proceed, Official Receipt/Invoice, Certificate of Final Inspection, Certificate of Good Performance and Certificate of Acceptance, as evidences in support of the foregoing information.

Submitted by : _____
 (Printed Name & Signature)
 Designation : _____

Contract Agreement Form

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, viz., [*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*] (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 shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Supplier’s Bid, including the Technical and Financial Proposals, and all other documents/statements submitted (*e.g.* bidder’s response to clarifications on the bid), including corrections to the bid resulting from the Procuring Entity’s bid evaluation;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract;
 - (f) the Performance Security; and
 - (g) the Entity’s Notice of Award.
3. In consideration of the payments to be made by the Entity to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Entity to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Entity hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the time and in the manner prescribed by the contract.

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.

Signed, sealed, delivered by _____ the _____ (for the Entity)

Signed, sealed, delivered by _____ the _____ (for the Supplier)

AFFIDAVIT

1. *Select one, delete the other:*

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 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);];

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 following responsibilities as a Bidder:
 - a) Carefully examine all of the Bidding Documents;
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure 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.

IN WITNESS WHEREOF, I have hereunto set my hand this ____ day of ____, 20__ at _____, Philippines.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at ____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

* This form will not apply for WB funded projec

BID SECURING DECLARATION FORM

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

X-----X

BID SECURING DECLARATION Invitation to Bid: *[Insert Reference number]*

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

I/We⁴, 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 accept that: (a) I/we will be automatically disqualified from bidding for any 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 9184; without prejudice to other legal action the government may undertake.
3. 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;
 - (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'S AUTHORIZED
REPRESENTATIVE]
[Insert Signatory's Legal Capacity]
Affiant*

FINANCIAL DOCUMENTS FOR ELIGIBILITY CHECK

		Year 20____
1	Total Assets	
2	Current Assets	
3	Total Liabilities	
4	Current Liabilities	
5	Net Worth (1-3)	
6	Net Working Capital (2-4)	

The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current assets – current liabilities) (15)] minus value of all outstanding or uncompleted portions of the projects under ongoing contracts including awarded contracts yet to be started coinciding with the contract to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements submitted to the BIR.

NFCC = PhP _____

Submitted by:

Name of Bidder

Signature of Authorized Representative over Printed Name

Date: _____

