



Government of the Republic of the Philippines

DAVAO DEL SUR STATE COLLEGE
PHILIPPINE BIDDING DOCUMENTS

PROCUREMENT OF GOODS

For the

**Internationalization of the Davao del Sur State
College for Enhanced Services (IDES) towards
Education for Sustainable Development:
Establishment of State- of-the-Art Laboratory
Facilities**

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.



INVITATION TO BID FOR INTERNATIONALIZATION OF THE DAVAO DEL SUR STATE COLLEGE FOR ENHANCED SERVICES (IDES) TOWARDS EDUCATION FOR SUSTAINABLE DEVELOPMENT: ESTABLISHMENT OF STATE- OF-THE-ART LABORATORY FACILITIES

- The **Davao del Sur State College**, through the **Fund 163E 2024** intends to apply the sum being the Approved Budget for the Contract (ABC) to payments under the contract for each lot:

Lot no.	Project Identification No.	Title	Qty	Delivery of the Goods	ABC	Bidding Documents Fee
1	DSSCPSU 2024-04-07-A	SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT	1 Lot	90 CD	Php 3,000,000.00	Php 5,000.00
2	DSSCPSU 2024-04-07-B	SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT	1 Lot	90 CD	Php 2,100,000.00	Php 5,000.00
3	DSSCPSU 2024-04-07-C	SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS	1 Lot	90 CD	Php 3,355,000.00	Php 5,000.00
4	DSSCPSU 2024-04-07-D	SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT	1 Lot	90 CD	Php 2,534,000.00	Php 5,000.00

Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.

- The **Davao del Sur State College** now invites bids for the above Procurement Project. Bidders should have completed, within **three (3) 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 **Davao del Sur State College** and inspect the Bidding Documents at the address given below from **08:00 A.M to 05:00 P.M (Monday to Friday)** except holidays.
5. A complete set of Bidding Documents may be acquired by interested Bidders on **May 07 to May 29, 2024** from the given address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees either in person or through e-mail.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids in any of the following payments options:

- Over-the-counter payment at DSSC-Cashier’s office, Brgy. Matti, Digos City, Davao del Sur;
- Over-the-counter deposit at Land Bank of the Philippines (LBP) Account No. – 0332-1103-57.

Prior to payment, bidders are advised to coordinate first with the BAC Secretariat, through mobile phone at (+63) 951-822-5510 (Smart) for the issuance of the “Payment Order” and instructions.

6. The **Davao del Sur State College** will hold a Pre-Bid Conference¹ on **May 15, 2024; 01:00 P.M.** at **PSU Office, Davao del Sur State College, Brgy. Matti, Digos City, Davao del Sur** and/or through video conferencing or webcasting *via Zoom*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before **May 29, 2024; 01:00 P.M.** 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.

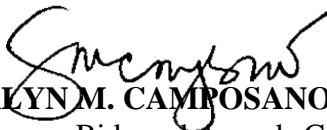
¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

9. Bid opening shall be on **May 29, 2024; 01:00 P.M** at the given address below **PSU Office, Davao del Sur State College, Brgy. Matti, Digos City, Davao del Sur** and/or via **Zoom**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Davao del Sur 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.
11. For further information, please refer to:

RACHEL R. YONTING, LPT
PSU Head/BAC Secretariat
DSSC, Brgy. Matti, Digos City, Davao del Sur
Mobile No. 09518225510
E-mail Address: psu@dssc.edu.ph
Website: <https://www.dssc.edu.ph/>

12. You may visit the following websites:

For downloading of Bidding Documents:
<https://www.dssc.edu.ph/administration/procurement/bac-posting>


SIVERLYN M. CAMPOSANO, Ph.D.
Chairperson, Bids and Awards Committee

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, **Davao del Sur State College** wishes to receive Bids for the following:

Lot no.	Project Identification No.	Title	Qty
1	DSSCPSU 2024-04-07-A	SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT	1 Lot
2	DSSCPSU 2024-04-07-B	SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT	1 Lot
3	DSSCPSU 2024-04-07-C	SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS	1 Lot
4	DSSCPSU 2024-04-07-D	SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT	1 Lot

The Procurement Project (referred to herein as “Project”) is composed of [*indicate number of lots or 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 **FY 2024** in the amount shown below:

Lot no.	Project Identification No.	Title	Qty	ABC
1	DSSCPSU 2024-04-07-A	SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT	1 Lot	Php 3,000,000.00
2	DSSCPSU 2024-04-07-B	SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT	1 Lot	Php 2,100,000.00
3	DSSCPSU 2024-04-07-C	SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS	1 Lot	Php 3,355,000.00
4	DSSCPSU 2024-04-07-D	SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT	1 Lot	Php 2,534,000.00

2.2. The source of funding is:

- a. Trust Receipts

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. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
 - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
 - iii. When the Goods sought to be procured are not available from local suppliers; or
 - iv. When there is a need to prevent situations that defeat competition or restrain trade.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.
- 7.2. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.3. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.
- 7.4. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address **PSU Office, Davao del Sur State College, Brgy. Matti, Digos City, Davao del Sur** and/or through **Zoom** as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within *[state relevant period as provided in paragraph 2 of the **IB**]* 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 the **BDS**.
- b. For Goods offered from abroad:
- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in the **BDS**.

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

- 13.2. Payment of the contract price shall be made in:

- a. Philippine Pesos.

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 calendar days** from 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 first and second components of its Bid.

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

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

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

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.

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.

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 Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 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 may be. In this case, the Bid Security as required by **ITB** Clause 14 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:

Option 2 – One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.
- 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	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> a. laboratory equipment b. completed within three (3) years prior to the deadline for the submission and receipt of bids. 			
7.1	Sub-contracting is not allowed.			
12	The price of the Goods shall be quoted DDP <i>DAVAO DEL SUR STATE COLLEGE</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.			
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:			
	Lot No.	Title	if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit	if bid security is in Surety Bond
	1	SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT	Php 60,000.00	Php 150,000.00
	2	SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT	Php 42,000.00	Php 105,000.00
	3	SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS	Php 67,100.00	Php 167,750.00
	4	SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT	Php 50,680.00	Php 126,700.00
19.3	[In case the Project will be awarded by lot, list the grouping of lots by specifying the group title, items, and the quantity for every identified lot, and the corresponding ABC for each lot.]			
	Item/Lot #	Unit	Item Description	Qty.
			Approved Budget of the Contract (ABC)	

				Unit Cost	Total Cost
1	Lot	SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT With the following breakdown:	1	Php 3,000,000.00	Php 3,000,000.00
		A. 1 UNIT GRAPHITE FURNACE Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 Heating temperature range : · Ambient to 3,000 °C Heating control system : · Drying: Digital current control with automatic temperature calibration function · Ashing, Atomization: Digital temperature control via optical sensor Setting heating conditions: · Maximum 20 stages · Heating mode: RAMP/STEP · Inner gas type: Dual automatic switching type · High-sensitivity mode possible · Enrichment in furnace: Maximum 20 times · Automatic optimum temperature search function for furnace program · Inner gas flow rate: 0 to 1.50 L/min Safety features: · Cooling water flow rate monitor · Gas pressure monitor · Overcurrent protection unit (double check by circuit protector and optical sensor) · Furnace block cooling check Positioning : · Lateral/vertical manual adjustment Power requirements: 220 VAC ±5%, 7400 VA, 50/60 Hz Dimensions and weight : 260 W × 560 D × 507 H mm, 50 kg Data processing Parameter Setting : Wizard method Measurement mode : Flame continuous method, flame micro Sampling method, furnace method, flame emission method Calibration mode : · Calibration curve method (select primary, secondary, tertiary)			

		<p>Standard addition method, simple standard addition method (primary expression)</p> <p>Repeat analysis : Up to 20 repetitions. Mean value, standard deviation (SD) and coefficient of variation (RSD) display Automatic exclusion of deviant values by setting SD and %RSD</p> <p>Baseline correction : Automatic correction of baseline drift by offset correction in peak height / peak area modes</p> <p>Signal processing segment setting : Signal processing segments can be changed in peak height / peak area modes</p> <p>Sensitivity correction : Automatic calibration curve correction function using sensitivity monitoring</p> <p>Calculation factor : Final concentration calculations based on sampled volume, dilution rate, fixed volume, and factor inputs</p> <p>QA/QC : Select whether to continue or discontinue measurements based on results of evaluation on coefficient of correlation, %RSD, ICV.ICB,CCV.CCB, PB, LCS, SPK, PDS, and DUP.</p> <p>Power Requirements : 220 AV, 60 Hz</p> <p>Ambient Temperature/humidity: 10 to 35°C, 20 to 80% (less than 70% when Temperature is higher than 30 °C)</p> <p>Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>			
		<p>B. 1 UNIT AUTOSAMPLER</p> <p>Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 Control : RS-232C communication control from AA unit</p> <p>Maximum reagent / : Reagents: 8 positions Samples: 60 positions sample positions (random access available with reagents or samples)</p> <p>Rinse water bottle : 2 L Power requirements : 220VAC 50 VA, 50/60 Hz</p>			

		<p>Functions : Zero-point detection, auto diagnosis, auto rinse, random access</p> <p>Sample volume : Sample vials: 15 mL, reagent vials: 53 mL</p> <p>Nozzle rinse : Solvent rinse aspiration method</p> <p>Dimensions and weight : Sampler: 340 W × 280 D × 270 H mm, 8 kg</p> <p>Controller (including stand): 260 W × 200 D × 320 H mm, 7 kg</p> <p>Additional Package Inclusion:</p> <p>Installation : Free-of-charge by Factory Trained Engineer</p> <p>Training : Free-of-charge by Trained Application Chemist</p> <p>Warranty : Twelve (12) months on parts and services</p>			
		<p>C. 1 UNIT MERCURY VAPORIZER UNIT</p> <p>Technical Specifications:</p> <p>The unit must be compatible to AAS Shimadzu Model AA-6880</p> <p>This mercury vaporizer is for cold vapor atomic absorption spectroscopy</p> <p>Power requirements: 240 VAC, 50 VA, 50/60 Hz</p> <p>Includes gas flow cell, gas flow cell holder, and mercury hollow cathode lamp.</p> <p>ACCESSORIES INCLUDED:</p> <ul style="list-style-type: none"> ·High Density Graphite Tube - 5pcs ·Argon Regulator ·Argon Gas ·Water Cooling Circulator ·Gas Line <p>Additional Package Inclusion:</p> <p>Installation : Free-of-charge by Factory Trained Engineer</p> <p>Training : Free-of-charge by Trained Application Chemist</p> <p>Warranty : Twelve (12) months on parts and services</p>			
2	Lot	<p>SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT</p> <p>With the following breakdown:</p> <p>A. 1 UNIT GEL DOC IMAGING SYSTEM WITH IMAGE LAB TOUCH SOFTWARE SUPPORTING APPLICATIONS</p> <p>Fluorescence: Yes</p> <p>Colorimetry: Yes</p>	1	Php 2,100,000.00	Php 2,100,000.00
		<p>A. 1 UNIT GEL DOC IMAGING SYSTEM WITH IMAGE LAB TOUCH SOFTWARE SUPPORTING APPLICATIONS</p> <p>Fluorescence: Yes</p> <p>Colorimetry: Yes</p>			

		<p>Gel Documentation: Yes</p> <p>The unit must be compatible to Thermal Cycler C1000 Touch</p> <p>AUTOMATION CAPABILITIES</p> <p>Gel Doc Imaging System automatically recognizes your application- specific tray and adjusts imagint parameters and software options accordingly</p> <p>Auto-focus Pre-calibrated focus for any zoom setting</p> <p>Auto-exposure Two (2) auto-exposure algorithms (rapid or optimal)</p> <p>HARDWARE SPECIFICATIONS</p> <p>Touch-screen Functionality: Multitouch capable</p> <p>Display resolution 1,024 x 768 pixels</p> <p>9.7" (24.64 cm) display</p> <p>Maximum Image Area (W x H): 21x14cm</p> <p>Detector: 6.3 MP CMOS</p> <p>Pixel Size: 2.4 x2.4 tm</p> <p>Bit Depth (gray levels): 65,536</p> <p>Dynamic Range: >3.5 orders of magnitude</p> <p>Excitation Source: Trans-UVB (Standard)</p> <p>Epi-white (Standard)</p> <p>Trans-white (with Optional White Tray)</p> <p>Trans-blue (with Optional Blue Tray)</p> <p>Emission Filter: 535-645 nm (standard)</p> <p>Data Output: 16-bit or 8-bit: scN, TIFF, JPEG image files</p> <p>Operating Voltage: 100-240 vAc, 50-60 Hz</p> <p>Operating Temperature: 10-28 OC</p> <p>Operating Humidity: 20-80% relative humidity (non-condensing)</p> <p>Components of Gel Doc Imaging:</p> <ol style="list-style-type: none"> 1. GelDoc Imaging System 2. Imagelab Touch Software 3. Uv/Stain-free Tray for Gel Doc Imaging System <p>Other Inclusions:</p> <ol style="list-style-type: none"> 1. One (1) unit of Computer 2. One (1) unit of Continuous Ink Printer 3. One (1) unit of Automatic Voltage Regulator (2 kva) 4. One (1) unit of Uninterruptible Power Supply (2 kva) <p>Additional Package Inclusion:</p> <p>Installation : Free-of-charge by Application Engineer</p>		
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		<p>Training : Free-of-charge by Trained Application Specialist Warranty : Twelve (12) months on parts and services</p>			
		<p>B. 1 UNIT WIDE MINISUB CELL GT SYSTEM AND POWERPAC- BASK POWER SUPPLY Cell GT Specifications: GT base footprint {L x W x H}: 25.5 x 17.8 x 6.8 cm GT base buffer volume: 650-900 mL GT base gel size: 15x7cm Geltray sizes: 15x10cm Construction: GT base: Molded clear plastic Gel casting gates: Aluminum Safety lid: Molded clear plastic Electrode wire guard: Molded polycarbonate Banana plugs: Gold-plated brass, 4-4 cm length Electrodes: Platinum, 0.25 mm diameter Electrical cables: Dual, 20 AWG, tinned copper wire cable Flame-retardant polyurethane insulation jacket Electrical leads: Nickel silver Geltray: Uv-transparent acrylic plastic (UVTP) Combs: Molded plastic and machined acrylic Gel casting device: Polycarbonate 0.64 cm silicon foam The unit must be compatible to Thermal Cycler C1000 Touch PowerPac Output Specifications: Power requirements: 240 VAC, 50 VA, 50/60 Hz Fuses 2.5 A, 250 VAC, 5 mm x 20 mm, Type T Input power cord 3-wire; Grounded Output (programmable) Voltage 10 V to 300 V, fully adjustable in 1V steps Voltage accuracy 1 2% of reading or 3 volts, whichever is more Current 4 mA to 400 mA,, fully adjustable in 1 mA steps Current accuracy t 2% of reading or 3 mA" whichever is more Power (maximum) 75W Terminals 4-pair recessed banana jacket floating in parallel</p> <p>Additional Package Inclusion:</p>			

		<p>Installation : Free-of-charge by Application Engineer Training : Free-of-charge by Trained Application Specialist Warranty : Twelve (12) months on parts and services</p>			
3	Lot	<p>SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS</p> <p>With the following breakdown:</p> <p>A. 1 UNIT MICROWAVE DIGESTION SYSTEM Main technical specifications -The microwave cavity must have the following dimensions 30cm (W) 30cm (D) 33cm (H) and a volume of ~ 30 L to ensure maximum safety of operation and high throughput rotors capability. -Up to 14 positions rotor with the following specifications: 35 bar, 300°C, 100 mL. Vessels made of PTFE-TFM; safety shields made of reinforced PEEK; individual pressure release mechanism (vent-and-reseal technology); rotor design to simultaneous remove all the PTFETFM vessels. -The system must be provided with a web-application that works on external devices PC, tablets or smartphones. It includes a database with valuable information: list of parts, technical notes, user manual, video tutorials, updated application notes, the complete library of available scientific articles, and a help-on-line section. -The software must be available in 11 languages, icon-driven, with a built-in library of minimum 150 methods. The software must display simultaneously time, power, temperature and pressure. The software must be able to use the same method regardless the number of vessel or type of rotor used. HARDWARE • Stainless steel housing with multi-layer of corrosion resistant coating • Large flange of 36 mm ID to be used for additional applications such as reflux reaction.</p>	1	<p>Php 3,355,000.00</p>	<p>Php 3,355,000.00</p>

		<ul style="list-style-type: none"> • Additional ports on the side walls of the microwave cavity • Chassis protected against acids and solvents with polymer coating on both inner and outer surfaces • Self-resealing pressure responsive door mounted on sprigs, to ensure maximum safety even in case of overpressure release. • Door completely made of stainless steel and left opening door • An automatic door locking system ensures to keep the door closed until the set temperature is reached. User can modify the set temperature according to the lab needs. • Four independent door safety interlocks to prevent microwave emission in case of improper door closure or misalignment • Built-in exhaust system located above the microwave cavity and separated from the electronics to prevent corrosion. • Magnetron max power: 1000W. • Static diffuser for homogeneous microwave distribution in the cavity. • Thermal switch on the magnetron for protection from reflected microwave power. • Continuous and PID-controlled microwave emission at all power levels • Emission and Safety Norms: EN61010-1:2001; EN61010-2-010:2003; UL61010-1:2004; CAN/CSA- C22.2 No 61010-1:2004; CAN/CSA-C22.2 No 61010-2-010:2004;EN61326-1:2006;CEI EN 61326- 2-6:2006 <p>USER INTERFACE</p> <ul style="list-style-type: none"> • Touch-screen 5” TFT display. 800x480 pixel, n°1 USB ports • Icon-driven multi-language (Chinese, English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish, and Turkish) software allowing the user the edit, save, and run a virtually unlimited number of methods • Multiple-level access by password, such as User, administrator, service. • The software must have dedicated pages to the sample information, such as sample amount, reagents mixture. 			
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		<ul style="list-style-type: none"> • Fully compliant to 21 CFR part 11 <p>REACTION SENSOR</p> <ul style="list-style-type: none"> • Direct contactless temperature control in all positions via a dedicated sensor. Temperature reading up to 300°C. <p>ROTORS AND VESSELS</p> <p>The rotor specifications are:</p> <ul style="list-style-type: none"> • Positions up 14 • Max Temperature 300C • Max Pressure upto 500 psi • Volume 100 ml • Vessel Material PTFE-FTM • Safety Shield Material PEEK reinforced with glass fiber • Every vessel must have a vent-and-reseal spring to safely release the pressure in case of overpressure. Burst-disk, membrane or self-releasing device are not suitable due to very low performance. • The system must be able to accommodate other accessories to perform solvent extraction, microwave synthesis and other microwave applications in a single platform. <p>Inclusions:</p> <p>14 rotor, 100 ml, complete with 14 pressure reactors for 1 set</p> <p>The kit includes:</p> <p>14 rotor body for 100ml vessels</p> <p>Vessel 100 ml with protection cover, automatic pressure valve and safety shield</p> <p>Vessel 100ml complete with threaded cover and pressure valve</p> <p>Vessel 100ml complete with thread for rotor</p> <p>Cover with thread for rotor vessel</p> <p>TFM valve for rotor cover</p> <p>Protection shield for pressure vessel</p> <p>14 pcs Vessel 100 ml with protection cover, automatic pressure valve and safety shield</p> <p>1 unit AVR 10KVA</p> <p>Additional Package Inclusion:</p> <p>Latest Edition of AOAC Standard Methods</p> <p>Installation : Free-of-charge by Factory Trained Engineer</p> <p>Training : Free-of-charge by Trained Application Chemist</p> <p>Warranty : Twelve (12) months on parts and services</p>			
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		<p>B. 1 UNIT FIBER ANALYZER Crude Fiber, Neutral & Acid Detergent Fiber Features fiber analyzers suitable for raw fiber extraction, conventionally known as an indigestible residue. Rapid analysis, reliable results and high reproducibility are some of the most relevant benefits of these units which are ideal for the following applications: - the Weende method, the oldest analytical procedure still in use today, in which fiber concentration is measured as crude fiber (CF) - the Neutral Detergent Fiber (NDF), a method developed by Van Soest, now the most common measure of fiber used for animal feed analysis - Acid Detergent Fiber (ADF), a portion of the plant fiber and includes cellulose, lignin and variable amounts of xylans. - Acid Detergent Lignin (ADL) determination and Wijkstrom technique, a modification of the Weende method High Reliability, Single or Multiple Extractions Perform single or multiple extractions including boiling, rinsing and filtration steps with the maximum reproducibility available. No sample transfer prevents any possible sample loss, as crucibles can also be used as sample vessels during weighing, drying and washing. Pre-heat the reagents with RC2 hot plate (included), and pour them directly into the system. Rapid Heating Element An extremely efficient heating element speeds up the analysis, ensuring rapid heating of the sample, previously mixed with pre- heated reagents. Also after the second reagent addition, the heating element grants a fast re-heating of the solution, for conspicuous saving in terms of time. Reduces the time required for the analysis: the equivalent manual procedure will require more than 6</p>			
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		<p>hours, compared to the 2 hours with fiber analyzer.</p> <p>No transfer and sample loss</p> <p>In order to prepare the sample for fiber analysis, COEX ensures rapid fat extraction directly into the same glass crucibles used by the series.</p> <p>The crucible, containing the defatted sample, is transferred directly to the analyzer, eliminating possible errors due to sample transfer.</p> <p>TENDER SPECIFICATIONS – FIBER ANALYZERS</p> <ul style="list-style-type: none"> • Fiber determinations based on Weende, van Soest and other AOAC-recognized methods • Able to analyze various types of fiber e including Crude Fiber, NDF (hemicelluloses, cellulose, lignin), ADF (Cellulose, lignin), and ADL (acid detergent lignin) <ul style="list-style-type: none"> • Semi-Automatic boiling, washing and filtration process for fiber extraction of up to 6 samples • The device can analyze from 0.5 to 3 g of sample size for each position and enables the analysis of up to 36 samples in 6 hours • Samples can be processed individually • Fiber measurement range is 0.1 – 100% • High reproducibility of the results: $\pm 1\%$ relative or better • Back-pressure pump prevents the clogging of crucibles • An extremely efficient heating element speeds up the analysis, ensuring rapid heating of the sample, previously mixed with pre-heated reagents • Back-pressure pump prevents the clogging of crucibles • Sample removal with air pump • Reagent discharge with a peristaltic pump • Electronic regulation of the temperature • Digital timer from 0 to 99 minutes with an acoustic signal at the end • Depth: minimum 0.39 m • Width: minimum 0.76 m • Power supply 230V, 50-60Hz - 115 V / 60 Hz • Power rating: 900 W - 1200 W 			
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		<ul style="list-style-type: none"> • The reagent tanks are in glass and insulated to maintain the temperature of the reagents • The peristaltic pump for the discharge of liquids is operated by a gear motor equipped with a safety thermostat against over temperatures due to heavy or continuous work • Working environment temperature +5 ... +40 °C (+41 +104 °F) • Storage temperature °C +5°C.....+60°C <p>TECHNICAL DATA</p> <p>CONSTRUCTION MATERIAL: epoxy painted stainless steel structure</p> <p>TYPE OF EXTRACTIONS: cold and hot extractions</p> <p>NUMBER OF SAMPLES: 6 positions</p> <p>SAMPLES: individually processed</p> <p>SAMPLE QUANTITY: from 0,5 to 3 g</p> <p>REPRODUCIBILITY (RSD): ± 1%</p> <p>SAMPLE REMOVAL: air pump</p> <p>REAGENT DISCHARGE: peristaltic pump</p> <p>DIGITAL TIMER: 0 - 99 minutes with acoustic signal at the end</p> <p>TEMPERATURE: electronic regulation</p> <p>REAGENTS AND COOLING WATER: separated outlets</p> <p>POWER: 1200 W</p> <p>WEIGHT: 40 Kg (101.2 lb)</p> <p>DIMENSIONS (WXHxD): 760x620x390 mm (29.5x24.4x15.4 in)</p> <p>APPLICATIONS</p> <p>Raw fiber (Weende, Wijstrom)</p> <p>Neutral or acid detergent treatment fiber (Van Soest)</p> <p>Lignin, Cellulose, Hemicellulose</p> <p>Included:</p> <p>RC 2</p> <p>Heat shield</p> <p>PVC tube</p> <p>Glass crucible P2 - 6pcs</p> <p>Reagent glass bottle (x2)</p> <p>Pincer for crucibles</p> <p>Crucibles holder</p> <p>Inlet tube</p> <p>1 unit AVR 10KVA</p> <p>Additional Package Inclusion:</p> <p>Installation : Free-of-charge by Factory Trained Engineer</p>		
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		Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services			
4	Lot	SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT With the following breakdown:	1	Php 2,534,000.00	Php 2,534,000.00
		A. ONE (1) UNIT MICROBIOLOGICAL INCUBATOR Key Features: Gravity convection provides gentle air flow and minimal drying out Corrosion-resistant stainless-steel chamber (AISI 430) Intuitive user interface for setting temperature Large, easy to read vacuum fluorescent display Exceptionally small footprint Temperature Security: Temperature range from ambient + 5° to 75°C Internal glass door allows sample viewing without impacting temperature Technical Specifications: Type Microbiological Incubator Capacity 117 L (4 cu. ft.) Temperature Range (Metric) Ambient +5°C to 75°C Controller Type Microprocessor control with vacuum fluorescent display Convection Technology Gravity convection No. of Shelves 2 supplied/ 16 max. Certifications/Compliance CE Marked Includes: 3 KVA AVR Additional Requirements: -Suppliers must provide certificate of exclusive /Authorized distributorship of the product. -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments			

		<p>B. ONE (1) UNIT SCIENTIFIC LABORATORY REFRIGERATOR</p> <p>Technical Specifications: Description TSG Series General Purpose Refrigerator Capacity 400 L (12 cu ft) Temperature Range 3°C to 7°C Temperature (Setpoint) +5°C Refrigerant R290 Door Style Glass No. of Doors 1 Shelves 4 Adjustable Capacity Shelf 45 kg (100 lb) Cabinet Material Painted Steel Exterior Finish Painted Interior White (Painted) Certifications/Compliance cULus, ENERGYSTAR Control Type Capacitive Touch Ports 1 Rear Access Port Monitoring Options SmartVue Pro, Remote Alarm Contacts Access Security Key Lock Plug Type NEMA 6-15 Product Overview Purpose-built from the ground up for clinical and research laboratory customers Quiet operation, less than 53dB ENERGY STAR certified Heat-free defrost Double-pane glass doors Four 2 in. casters, front casters are lockable Self-closing door with 90° stop Bright LED interior lighting Hi/Lo Temperature, door ajar, and power failure alarms 12 hour controller battery backup Rear access port Keyed door locks, compatible with popular E-lock adapters Remote alarm contacts Available accessories such as chart recorders, independent temperature monitors, surge suppressors, and more Includes: 5kva AVR</p>			
		<p>C. ONE (1) UNIT WATER ACTIVITY METER</p> <p>Technical Specification Working Temp. -10°C~50°C Working Humidity 0~95%RH Display LCD display Measuring Temperature - 10°C~50°C Range Water Activity 0~1.000</p>			

		<p>Measurement Temperature $\pm 0.5^{\circ}\text{C}$ Accuracy Water Activity ± 0.015 (@25°C) ± 0.012 (@23°C$\pm 5^{\circ}\text{C}$) Measurement Time 5~40min Measurement Points 1~4 Temperature Coefficient $\leq 0.0005/^{\circ}\text{C}$ Activity Repeatability ≤ 0.008 Multi-point joint calibration, single-point calibration Interface RS232, USB Standard Accessories Data cable, micro printer, one sensor Consumption 10W Power Supply AC110/220V$\pm 10\%$, 50/60HZ Feature: 1. The measured object is unlimited, liquid solids and powder etc 2. Chemical resistant. Additional Requirements: -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>			
		<p>D. ONE (1) UNIT FLOOR TYPE LABORATORY SCALE SMALL SPRAY DRYER Chamber material: High borosilicate glass Water evaporation: 1500ML Minimum feed quantity: 80ML Drying chamber (mm) : Φ 300 Maximum intake Temperature: ~250 C (adjustable) Hot air condition: Air Supply Heater capacity: 3kw Blower [power(kw), air volume (m /min)] : [0.25,9.5m/Min] Compressor [power (kw), air volume (L /min)]: [0.58, 108 LPM] Electric power (kw): 4kw Outline size (mm) (l\timesw\timesh): 800\times600\times1300 Power supply: 220V/50Hz Additional Requirements: -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training</p>			

			-(1) One Year Warranty on Parts and Services upon normal use of Instruments			
			<p>E. ONE (1) UNIT VERTICAL AUTOCLAVE</p> <p>Technical Specifications Chamber (inner dia.x usable depth): 320 Ø x 676 mm (54L) Usable max.pressure: 0.27MPa Usable max. Temperature: 140°C Usable Temperature: Sterilization: 100-140°C, Dissolving: 40-99°C warming: 40-60°C Usable time: Sterilization, Dissolving : 0min ~48hrs. continuous. Warming: 0min~48hrs.00min. Controller : Microprocessor controller, graphic display Temperature: 3 digits, PID Control Timer: 2 digits hours: 2 digits minutes, down count (Temperature/Time Integration system) Air exhaust device: Temperature (99°C---adjustable) sensing time (3mins---adjustable)control & solenoid valve (timed free steaming system) Exhaust cooling System: Water storage tank with cooling coil and exhaust drain receiver bottle Drain valve: Manual valve at inner side of exhaust bottle. Safety Devices: Interlock system, electromechanical lock sytem, double check system of lid close. Overpressure detector, over temperature detector, water lackpreventor, sensor break indicator, abnormal time indicator, memory of power failure,safety valve breaker for slight leakage, over current and short circuit Safey valve operation: 0.29MPa Water test pressure: 0.58 MPa Chamber and Lid: Stainless steel SUS304, shiny, polished. Molded silicon rubber lid gasket (self-seal system) Outer Panel: Steel with baked melamine finish Top paneheat resisting molded resin Power demand: 2.6 kW, 12 A, 50/60Hz, AC220-240V, 1 phase</p>			

		<p>Stainless wire basket: 380 Ø x 300 mm x 2 pcs; Standard for all CL models</p> <p>Includes: 10 KVA AVR</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Suppliers must provide certificate of exclusive /Authorized distributorship of the product. -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 			
		<p>F. ONE (1) UNIT CAN SEAMER</p> <p>Technical Specifications:</p> <p>Voltage: 110 /220 V</p> <p>Power: 140 W</p> <p>Capacity: 20-30 pcs per minute</p> <p>Size: 25*45*60cm</p> <p>Weight: 49kg</p> <p>Can Diameter: 55-120MM</p> <p>Can Height: 60-170MM</p> <p>Material: Stainless steel</p> <p>Includes:</p> <p>100 pcs of empty tin can fit to its desired diameter and height.</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 			
		<p>G. ONE (1) UNIT DEOILER</p> <p>Technical Specifications:</p> <p>Voltage: 220 V</p> <p>Power: 0.25 KW</p> <p>Capacity: 20L (About 5kg Leafy Vegetables)</p> <p>Speed: 400 rev/ min.</p> <p>Dimensions: 600*460*800mm</p> <p>Basket Diameter: 300 dept 300mm</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 			

			<p>H. ONE (1) UNIT PRESSURE CANNER RETORT / PRESSURE COOKER</p> <p>Technical Specifications: Capacity 41.5 Quarts Material Aluminum Color Silver Finish Type Aluminium Product Dimensions 18.9"D x 20"W x 18.7"H Special Feature Gas Stovetop Compatible Item Weight 33 Pounds Control Method Touch Controller Type Hand Control Operation Mode Automatic Is Dishwasher Safe No Closure Type Snap</p> <p>Additional Requirements: - Latest Edition of SMEW Standard Methods - Latest Edition of A Guidebook to Plant Screening: Phytochemical and Biochemical by Beatrice Q. Guevara -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>			
20.2	<p>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 the following:</p> <ol style="list-style-type: none"> i. Certificate of distributor from the manufacturer's brand ii. Certificates of training from the manufacturer's brand on their application engineer iii. Certificates of training from the manufacturer's brand on their application specialist for Lot 1, 2, and 3 iv. Proven track record as a supplier of technical equipment for at least 20 years 					
21.2	<i>No further instructions</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 the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

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

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

- 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>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered Davao del Sur State College, Brgy. Matti, Digos City. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered Davao del Sur State College, Brgy. Matti, Digos City. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is KRIS KRISTOFFERSON T. TAN.</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> <ol 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.

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

1. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
2. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

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

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of two (2) years.

Spare parts or components shall be supplied as promptly as possible, but in any case, within two (2) months of placing the order.

	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>

	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic 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.</p> <p>Intellectual Property Rights –</p> <p>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 payment shall be upon completion of the delivery.
4	The inspection and test that will be conducted is: <i>Performance Testing</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	Total	Delivered, Weeks/Months
1	<p>SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT</p> <p>With the following breakdown:</p>	1 LOT	\ Php 3,000,000.00	90 calendar days upon receipt of the Notice to Proceed
	<p>A. 1 UNIT GRAPHITE FURNACE</p> <p>Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880</p> <p>Heating temperature range : · Ambient to 3,000 °C</p> <p>Heating control system : · Drying: Digital current control with automatic temperature calibration function · Ashing, Atomization: Digital temperature control via optical sensor</p> <p>Setting heating conditions: · Maximum 20 stages · Heating mode: RAMP/STEP · Inner gas type: Dual automatic switching type · High-sensitivity mode possible · Enrichment in furnace: Maximum 20 times · Automatic optimum temperature search function for furnace program · Inner gas flow rate: 0 to 1.50 L/min</p> <p>Safety features: · Cooling water flow rate monitor · Gas pressure monitor</p>			

	<ul style="list-style-type: none"> · Overcurrent protection unit (double check by circuit protector and optical sensor) · Furnace block cooling check <p>Positioning :</p> <ul style="list-style-type: none"> · Lateral/vertical manual adjustment <p>Power requirements: 220 VAC \pm5%, 7400 VA, 50/60 Hz</p> <p>Dimensions and weight : 260 W \times 560 D \times 507 H mm, 50 kg</p> <p>Data processing</p> <p>Parameter Setting : Wizard method</p> <p>Measurement mode : Flame continuous method, flame micro</p> <p>Sampling method, furnace method, flame emission method</p> <p>Calibration mode : ·</p> <p>Calibration curve method (select primary, secondary, tertiary)</p> <p>Standard addition method, simple standard addition method (primary expression)</p> <p>Repeat analysis : Up to 20 repetitions. Mean value, standard deviation (SD) and coefficient of variation (RSD) display Automatic exclusion of deviant values by setting SD and %RSD</p> <p>Baseline correction : Automatic correction of baseline drift by offset correction in peak height / peak area modes</p> <p>Signal processing segment setting : Signal processing segments can be changed in peak height / peak area modes</p> <p>Sensitivity correction : Automatic calibration curve correction function using sensitivity monitoring</p> <p>Calculation factor : Final concentration calculations based on sampled volume, dilution rate, fixed volume, and factor inputs</p> <p>QA/QC : Select whether to continue or discontinue</p>			
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	<p>measurements based on results of evaluation on coefficient of correlation, %RSD, ICV.ICB,CCV.CCB, PB, LCS, SPK, PDS, and DUP. Power Requirements : 220 AV, 60 Hz Ambient Temperature/humidity: 10 to 35°C, 20 to 80% (less than 70% when Temperature is higher than 30 °C) Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>			
	<p>B. 1 UNIT AUTOSAMPLER Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 Control : RS-232C communication control from AA unit Maximum reagent / : Reagents: 8 positions Samples: 60 positions sample positions (random access available with reagents or samples) Rinse water bottle : 2 L Power requirements : 220VAC 50 VA, 50/60 Hz Functions : Zero-point detection, auto diagnosis, auto rinse, random access Sample volume : Sample vials: 15 mL, reagent vials: 53 mL Nozzle rinse : Solvent rinse aspiration method Dimensions and weight : Sampler: 340 W × 280 D × 270 H mm, 8 kg Controller (including stand): 260 W × 200 D × 320 H mm, 7 kg Additional Package Inclusion:</p>			

	<p>Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>			
	<p>C. 1 UNIT MERCURY VAPORIZER UNIT Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 This mercury vaporizer is for cold vapor atomic absorption spectroscopy Power requirements: 240 VAC, 50 VA, 50/60 Hz Includes gas flow cell, gas flow cell holder, and mercury hollow cathode lamp. ACCESSORIES INCLUDED: ·High Density Graphite Tube - 5pcs ·Argon Regulator ·Argon Gas ·Water Cooling Circulator ·Gas Line Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>			
2	<p>SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT With the following breakdown:</p>	1 LOT	Php 2,100,000.00	90 calendar days upon receipt of the Notice to Proceed
	<p>A. 1 UNIT GEL DOC IMAGING SYSTEM WITH IMAGE LAB TOUCH SOFTWARE SUPPORTING APPLICATIONS Fluorescence: Yes Colorimetry: Yes</p>			

	<p>Gel Documentation: Yes The unit must be compatible to Thermal Cycler C1000 Touch</p> <p>AUTOMATION CAPABILITIES</p> <p>Gel Doc Imaging System automatically recognizes your application- specific tray and adjusts imaging parameters and software options accordingly</p> <p>Auto-focus Pre-calibrated focus for any zoom setting</p> <p>Auto-exposure Two (2) auto-exposure algorithms (rapid or optimal)</p> <p>HARDWARE SPECIFICATIONS</p> <p>Touch-screen Functionality: Multitouch capable</p> <p>Display resolution 1,024 x 768 pixels</p> <p>9.7" (24.64 cm) display</p> <p>Maximum Image Area (W x H): 21x14cm</p> <p>Detector: 6.3 MP CMOS</p> <p>Pixel Size: 2.4 x2.4 μm</p> <p>Bit Depth (gray levels): 65,536</p> <p>Dynamic Range: >3.5 orders of magnitude</p> <p>Excitation Source: Trans-UVB (Standard)</p> <p>Epi-white (Standard)</p> <p>Trans-white (with Optional White Tray)</p> <p>Trans-blue (with Optional Blue Tray)</p> <p>Emission Filter: 535-645 nm (standard)</p> <p>Data Output: 16-bit or 8-bit: scN, TIFF, JPEG image files</p> <p>Operating Voltage: 100-240 vAc, 50-60 Hz</p> <p>Operating Temperature: 10-28 $^{\circ}$C</p> <p>Operating Humidity: 20-80% relative humidity (non-condensing)</p> <p>Components of Gel Doc Imaging:</p> <ol style="list-style-type: none"> 1. GelDoc Imaging System 2. Imagelab Touch Software 3. Uv/Stain-free Tray for Gel Doc Imaging System 			
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	<p>Other Inclusions:</p> <ol style="list-style-type: none"> 1. One (1) unit of Computer 2. One (1) unit of Continuous Ink Printer 3. One (1) unit of Automatic Voltage Regulator (2 kva) 4. One (1) unit of Uninterruptible Power Supply (2 kva) <p>Additional Package Inclusion: Installation : Free-of-charge by Application Engineer Training : Free-of-charge by Trained Application Specialist Warranty : Twelve (12) months on parts and services</p>			
	<p>B. 1 UNIT WIDE MINISUB CELL GT SYSTEM AND POWERPAC- BASK POWER SUPPLY</p> <p>Cell GT Specifications: GT base footprint {L x W x H): 25.5 x 17.8 x 6.8 cm GT base buffer volume: 650-900 mL GT base gel size: 15x7cm Geltray sizes: 15x10cm Construction: GT base: Molded clear plastic Gel casting gates: Aluminum Safety lid: Molded clear plastic Electrode wire guard: Molded polycarbonate Banana plugs: Gold-plated brass, 4-4 cm length Electrodes: Platinum, 0.25 mm diameter Electrical cables: Dual, 20 AWG, tinned copper wire cable Flame-retardant polyurethane insulation jacket Electrical leads: Nickel silver Geltray: Uv-transparent acrylic plastic (UVTP) Combs: Molded plastic and machined acrylic Gel casting device: Polycarbonate 0.64 cm silicon foam</p>			

	<p>The unit must be compatible to Thermal Cycler C1000 Touch</p> <p>PowerPac Output Specifications:</p> <p>Power requirements: 240 VAC, 50 VA, 50/60 Hz</p> <p>Fuses 2.5 A, 250 VAC, 5 mm x 20 mm, Type T</p> <p>Input power cord 3-wire; Grounded</p> <p>Output (programmable)</p> <p>Voltage 10 V to 300 V, fully adjustable in 1V steps</p> <p>Voltage accuracy 1 2% of reading or 3 volts, whichever is more</p> <p>Current 4 mA to 400 mA,, fully adjustable in 1 mA steps</p> <p>Current accuracy t 2% of reading or 3 mA" whichever is more</p> <p>Power (maximum) 75W</p> <p>Terminals 4-pair recessed banana jacket floating in parallel</p> <p>Additional Package Inclusion: Installation : Free-of-charge by Application Engineer Training : Free-of-charge by Trained Application Specialist Warranty : Twelve (12) months on parts and services</p>			
3	<p>SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS</p> <p>With the following breakdown:</p>	1 LOT	Php 3,355,000.00	90 calendar days upon receipt of the Notice to Proceed
	<p>A. 1 UNIT MICROWAVE DIGESTION SYSTEM</p> <p>Main technical specifications</p> <p>-The microwave cavity must have the following dimensions 30cm (W) 30cm (D) 33cm (H) and a volume of ~ 30 L to ensure maximum safety of</p>			

	<p>operation and high throughput rotors capability.</p> <p>-Up to 14 positions rotor with the following specifications: 35 bar, 300°C, 100 mL. Vessels made of PTFE-TFM; safety shields made of reinforced PEEK; individual pressure release mechanism (vent- and-reseal technology); rotor design to simultaneous remove all the PTFETFM vessels.</p> <p>-The system must be provided with a web-application that works on external devices PC, tablets or smartphones. It includes a database with valuable information: list of parts, technical notes, user manual, video tutorials, updated application notes, the complete library of available scientific articles, and a help-on-line section.</p> <p>-The software must be available in 11 languages, icon-driven, with a built-in library of minimum 150 methods. The software must display simultaneously time, power, temperature and pressure.</p> <p>The software must be able to use the same method regardless the number of vessel or type of rotor used.</p> <p>HARDWARE</p> <ul style="list-style-type: none"> • Stainless steel housing with multi-layer of corrosion resistant coating • Large flange of 36 mm ID to be used for additional applications such as reflux reaction. • Additional ports on the side walls of the microwave cavity • Chassis protected against acids and solvents with polymer coating on both inner and outer surfaces • Self-resealing pressure responsive door mounted on sprigs, to ensure maximum 			
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	<p>safety even in case of overpressure release.</p> <ul style="list-style-type: none"> • Door completely made of stainless steel and left opening door • An automatic door locking system ensures to keep the door closed until the set temperature is reached. User can modify the set temperature according to the lab needs. • Four independent door safety interlocks to prevent microwave emission in case of improper door closure or misalignment • Built-in exhaust system located above the microwave cavity and separated from the electronics to prevent corrosion. • Magnetron max power: 1000W. • Static diffuser for homogeneous microwave distribution in the cavity. • Thermal switch on the magnetron for protection from reflected microwave power. • Continuous and PID-controlled microwave emission at all power levels • Emission and Safety Norms: EN61010-1:2001; EN61010-2-010:2003; UL61010-1:2004; CAN/CSA- C22.2 No 61010-1:2004; CAN/CSA-C22.2 No 61010-2-010:2004;EN61326-1:2006;CEI EN 61326- 2-6:2006 <p>USER INTERFACE</p> <ul style="list-style-type: none"> • Touch-screen 5” TFT display. 800x480 pixel, n°1 USB ports • Icon-driven multi-language (Chinese, English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish, and Turkish) software allowing the user the edit, save, and run a virtually unlimited number of methods 			
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	<ul style="list-style-type: none"> • Multiple-level access by password, such as User, administrator, service. • The software must have dedicated pages to the sample information, such as sample amount, reagents mixture. • Fully compliant to 21 CFR part 11 <p>REACTION SENSOR</p> <ul style="list-style-type: none"> • Direct contactless temperature control in all positions via a dedicated sensor. Temperature reading up to 300°C. <p>ROTORS AND VESSELS</p> <p>The rotor specifications are:</p> <ul style="list-style-type: none"> • Positions up 14 • Max Temperature 300C • Max Pressure upto 500 psi • Volume 100 ml • Vessel Material PTFE-FTM • Safety Shield Material PEEK reinforced with glass fiber <ul style="list-style-type: none"> • Every vessel must have a vent-and-reseal spring to safely release the pressure in case of overpressure. Burst-disk, membrane or self-releasing device are not suitable due to very low performance. • The system must be able to accommodate other accessories to perform solvent extraction, microwave synthesis and other microwave applications in a single platform. <p>Inclusions:</p> <p>14 rotor, 100 ml, complete with 14 pressure reactors for 1 set</p> <p>The kit includes:</p> <p>14 rotor body for 100ml vessels</p> <p>Vessel 100 ml with protection cover, automatic pressure valve and safety shield</p> <p>Vessel 100ml complete with threaded cover and pressure valve</p> <p>Vessel 100ml complete with thread for rotor</p>			
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	<p>Cover with thread for rotor vessel TFM valve for rotor cover Protection shield for pressure vessel 14 pcs Vessel 100 ml with protection cover, automatic pressure valve and safety shield 1 unit AVR 10KVA Additional Package Inclusion: Latest Edition of AOAC Standard Methods Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>			
	<p>B. 1 UNIT FIBER ANALYZER Crude Fiber, Neutral & Acid Detergent Fiber Features fiber analyzers suitable for raw fiber extraction, conventionally known as an indigestible residue. Rapid analysis, reliable results and high reproducibility are some of the most relevant benefits of these units which are ideal for the following applications: - the Weende method, the oldest analytical procedure still in use today, in which fiber concentration is measured as crude fiber (CF) - the Neutral Detergent Fiber (NDF), a method developed by Van Soest, now the most common measure of fiber used for animal feed analysis - Acid Detergent Fiber (ADF), a portion of the plant fiber and includes cellulose, lignin and variable amounts of xylans. - Acid Detergent Lignin (ADL) determination and</p>			

	<p>Wijkstrom technique, a modification of the Weende method High Reliability, Single or Multiple Extractions</p> <p>Perform single or multiple extractions including boiling, rinsing and filtration steps with the maximum reproducibility available.</p> <p>No sample transfer prevents any possible sample loss, as crucibles can also be used as sample vessels during weighing, drying and washing.</p> <p>Pre-heat the reagents with RC2 hot plate (included), and pour them directly into the system.</p> <p>Rapid Heating Element</p> <p>An extremely efficient heating element speeds up the analysis, ensuring rapid heating of the sample, previously mixed with pre-heated reagents.</p> <p>Also after the second reagent addition, the heating element grants a fast re-heating of the solution, for conspicuous saving in terms of time.</p> <p>Reduces the time required for the analysis: the equivalent manual procedure will require more than 6 hours, compared to the 2 hours with fiber analyzer.</p> <p>No transfer and sample loss</p> <p>In order to prepare the sample for fiber analysis, COEX ensures rapid fat extraction directly into the same glass crucibles used by the series.</p> <p>The crucible, containing the defatted sample, is transferred directly to the analyzer, eliminating possible errors due to sample transfer.</p> <p>TENDER SPECIFICATIONS – FIBER ANALYZERS</p> <ul style="list-style-type: none"> • Fiber determinations based on Weende, van Soest and other AOAC-recognized methods 			
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	<ul style="list-style-type: none"> • Able to analyze various types of fiber e including Crude Fiber, NDF (hemicelluloses, cellulose, lignin), ADF (Cellulose, lignin), and ADL (acid detergent lignin) • Semi-Automatic boiling, washing and filtration process for fiber extraction of up to 6 samples • The device can analyze from 0.5 to 3 g of sample size for each position and enables the analysis of up to 36 samples in 6 hours • Samples can be processed individually • Fiber measurement range is 0.1 – 100% • High reproducibility of the results: $\pm 1\%$ relative or better • Back-pressure pump prevents the clogging of crucibles • An extremely efficient heating element speeds up the analysis, ensuring rapid heating of the sample, previously mixed with pre-heated reagents • Back-pressure pump prevents the clogging of crucibles • Sample removal with air pump • Reagent discharge with a peristaltic pump • Electronic regulation of the temperature • Digital timer from 0 to 99 minutes with an acoustic signal at the end • Depth: minimum 0.39 m • Width: minimum 0.76 m • Power supply 230V, 50-60Hz - 115 V / 60 Hz • Power rating: 900 W - 1200 W • The reagent tanks are in glass and insulated to maintain the temperature of the reagents • The peristaltic pump for the discharge of liquids is operated by a gear motor equipped with 			
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	<p>a safety thermostat against over temperatures due to heavy or continuous work</p> <ul style="list-style-type: none"> • Working environment temperature +5 ... +40 °C (+41 +104 °F) • Storage temperature °C +5°C.....+60°C <p>TECHNICAL DATA CONSTRUCTION MATERIAL: epoxy painted stainless steel structure TYPE OF EXTRACTIONS: cold and hot extractions NUMBER OF SAMPLES: 6 positions SAMPLES: individually processed SAMPLE QUANTITY: from 0,5 to 3 g REPRODUCIBILITY (RSD): ± 1% SAMPLE REMOVAL: air pump REAGENT DISCHARGE: peristaltic pump DIGITAL TIMER: 0 - 99 minutes with acoustic signal at the end TEMPERATURE: electronic regulation REAGENTS AND COOLING WATER: separated outlets POWER: 1200 W WEIGHT: 40 Kg (101.2 lb) DIMENSIONS (WXHXD): 760x620x390 mm (29.5x24.4x15.4 in) APPLICATIONS Raw fiber (Weende, Wijstrom) Neutral or acid detergent treatment fiber (Van Soest) Lignin, Cellulose, Hemicellulose Included: RC 2 Heat shield PVC tube Glass crucible P2 - 6pcs Reagent glass bottle (x2) Pincer for crucibles Crucibles holder Inlet tube</p>			
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	<p>1 unit AVR 10KVA Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>			
4	<p>SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT</p> <p>With the following breakdown:</p>	1 LOT	Php 2,534,000.00	90 calendar days upon receipt of the Notice to Proceed
	<p>A. ONE (1) UNIT MICROBIOLOGICAL INCUBATOR Key Features: Gravity convection provides gentle air flow and minimal drying out Corrosion-resistant stainless- steel chamber (AISI 430) Intuitive user interface for setting temperature Large, easy to read vacuum fluorescent display Exceptionally small footprint Temperature Security: Temperature range from ambient + 5° to 75°C Internal glass door allows sample viewing without impacting temperature Technical Specifications: Type Microbiological Incubator Capacity 117 L (4 cu. ft.) Temperature Range (Metric) Ambient +5°C to 75°C Controller Type Microprocessor control with vacuum fluorescent display Convection Technology Gravity convection No. of Shelves 2 supplied/ 16 max.</p>			

	<p>Certifications/Compliance CE Marked Includes: 3 KVA AVR Additional Requirements: -Suppliers must provide certificate of exclusive /Authorized distributorship of the product. -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>			
	<p>B. ONE (1) UNIT SCIENTIFIC LABORATORY REFRIGERATOR Technical Specifications: Description TSG Series General Purpose Refrigerator Capacity 400 L (12 cu ft) Temperature Range 3°C to 7°C Temperature (Setpoint) +5°C Refrigerant R290 Door Style Glass No. of Doors 1 Shelves 4 Adjustable Capacity Shelf 45 kg (100 lb) Cabinet Material Painted Steel Exterior Finish Painted Interior White (Painted) Certifications/Compliance cULus, ENERGYSTAR Control Type Capacitive Touch Ports 1 Rear Access Port Monitoring Options SmartVue Pro, Remote Alarm Contacts Access Security Key Lock Plug Type NEMA 6-15 Product Overview Purpose-built from the ground up for clinical and research laboratory customers Quiet operation, less than 53dB</p>			

	<p>ENERGY STAR certified Heat-free defrost Double-pane glass doors Four 2 in. casters, front casters are lockable Self-closing door with 90° stop Bright LED interior lighting Hi/Lo Temperature, door ajar, and power failure alarms 12 hour controller battery backup Rear access port Keyed door locks, compatible with popular E-lock adapters Remote alarm contacts Available accessories such as chart recorders, independent temperature monitors, surge suppressors, and more Includes: 5kva AVR</p>			
	<p>C. ONE (1) UNIT WATER ACTIVITY METER Technical Specification Working Temp. -10°C~50°C Working Humidity 0~95%RH Display LCD display Measuring Temperature -10°C~50°C Range Water Activity 0~1.000 Measurement Temperature ±0.5°C Accuracy Water Activity ±0.015 (@25°C) ±0.012 (@23°C±5°C) Measurement Time 5~40min Measurement Points 1~4 Temperature Coefficient ≤0.0005/°C Activity Repeatability ≤0.008 Multi-point joint calibration, single-point calibration Interface RS232, USB Standard Accessories Data cable, micro printer, one sensor Consumption 10W Power Supply AC110/220V±10%, 50/60HZ Feature:</p>			

	<p>1. The measured object is unlimited, liquid solids and powder etc</p> <p>2. Chemical resistant.</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 			
	<p>D. ONE (1) UNIT FLOOR TYPE LABORATORY SCALE SMALL SPRAY DRYER</p> <p>Chamber material: High borosilicate glass</p> <p>Water evaporation: 1500ML</p> <p>Minimum feed quantity: 80ML</p> <p>Drying chamber (mm) : Φ 300</p> <p>Maximum intake Temperature: ~250 C (adjustable)</p> <p>Hot air condition: Air Supply</p> <p>Heater capacity: 3kw</p> <p>Blower [power(kw), air volume (m /min)] : [0.25,9.5m/Min]</p> <p>Compressor [power (kw), air volume (L /min)]: [0.58, 108 LPM]</p> <p>Electric power (kw): 4kw</p> <p>Outline size (mm) (l×w×h): 800×600×1300</p> <p>Power supply: 220V/50Hz</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 			

	<p>E. ONE (1) UNIT VERTICAL AUTOCLAVE</p> <p>Technical Specifications</p> <p>Chamber (inner dia.x usable depth): 320 Ø x 676 mm (54L)</p> <p>Usable max.pressure: 0.27MPa</p> <p>Usable max. Temperature: 140°C</p> <p>Usable Temperature: Sterilization: 100-140°C, Dissolving: 40-99°C warming: 40-60°C</p> <p>Usable time: Sterilization, Dissolving : 0min ~48hrs. continuous.</p> <p>Warming: 0min~48hrs.00min.</p> <p>Controller : Microprocessor controller, graphic display</p> <p>Temperature: 3 digits, PID Control</p> <p>Timer: 2 digits hours: 2 digits minutes, down count (Temperature/Time Integration system)</p> <p>Air exhaust device: Temperature (99°C---adjustable) sensing time (3mins---adjustable)control & solenoid valve (timed free steaming system)</p> <p>Exhaust cooling System: Water storage tank with cooling coil and exhaust drain receiver bottle</p> <p>Drain valve: Manual valve at inner side of exhaust bottle.</p> <p>Safety Devices: Interlock system, electromechanical lock sytem, double check system of lid close. Overpressure detector, over temperature detector, water lackpreventor, sensor break indicator, abnormal time indicator, memory of power failure,safety valve breaker for slight leakage, over current and short circuit</p> <p>Safety valve operation: 0.29MPa</p> <p>Water test pressure: 0.58 MPa</p>			
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	<p>Chamber and Lid: Stainless steel SUS304, shiny, polished. Molded silicon rubber lid gasket (self-seal system)</p> <p>Outer Panel: Steel with baked melamine finish Top paneheat resisting molded resin</p> <p>Power demand: 2.6 kW, 12 A, 50/60Hz, AC220-240V, 1 phase</p> <p>Stainless wire basket: 380 Ø x 300 mm x 2 pcs; Standard for all CL models</p> <p>Includes: 10 KVA AVR</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Suppliers must provide certificate of exclusive /Authorized distributorship of the product. -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 			
	<p>F. ONE (1) UNIT CAN SEAMER</p> <p>Technical Specifications:</p> <p>Voltage: 110 /220 V</p> <p>Power: 140 W</p> <p>Capacity: 20-30 pcs per minute</p> <p>Size: 25*45*60cm</p> <p>Weight: 49kg</p> <p>Can Diameter: 55-120MM</p> <p>Can Height: 60-170MM</p> <p>Material: Stainless steel</p> <p>Includes:</p> <p>100 pcs of empty tin can fit to its desired diameter and height.</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training 			

	- (1) One Year Warranty on Parts and Services upon normal use of Instruments			
	<p>G. ONE (1) UNIT DEOILER</p> <p>Technical Specifications: Voltage: 220 V Power: 0.25 KW Capacity: 20L (About 5kg Leafy Vegetables) Speed: 400 rev/ min. Dimensions: 600*460*800mm Basket Diameter: 300 dept 300mm</p> <p>Additional Requirements: -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training - (1) One Year Warranty on Parts and Services upon normal use of Instruments</p>			
	<p>H. ONE (1) UNIT PRESSURE CANNER RETORT / PRESSURE COOKER</p> <p>Technical Specifications: Capacity 41.5 Quarts Material Aluminum Color Silver Finish Type Aluminium Product Dimensions 18.9"D x 20"W x 18.7"H Special Feature Gas Stovetop Compatible Item Weight 33 Pounds Control Method Touch Controller Type Hand Control Operation Mode Automatic Is Dishwasher Safe No Closure Type Snap</p> <p>Additional Requirements: - Latest Edition of SMEW Standard Methods - Latest Edition of A Guidebook to Plant Screening: Phytochemical and Biochemical by Beatrice Q. Guevara</p>			

	<p>-Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off</p> <p>-Offer MUST include Installation, Commissioning and training</p> <p>-(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>			
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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.

In case of Renewal of Regular and Recurring Services, the Procuring Entity must indicate here the technical requirements for the service provider, which must include the set criteria in the conduct of its performance evaluation.

Technical Specifications

				Statement of Compliance <i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i>
Technical Specifications	Qty	ABC	Bidders Offer/Technical Specification	
SUPPLY, DELIVERY, AND INSTALLATION OF SPECTROSCOPY EQUIPMENT With the following breakdown:	1 Lot	Php 3,000,000.00		
A. 1 UNIT GRAPHITE FURNACE Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 Heating temperature range : · Ambient to 3,000 °C Heating control system : · Drying: Digital current control with automatic temperature calibration function · Ashing, Atomization: Digital temperature control via optical sensor				

<p>Setting heating conditions:</p> <ul style="list-style-type: none"> · Maximum 20 stages · Heating mode: RAMP/STEP · Inner gas type: Dual automatic switching type · High-sensitivity mode possible · Enrichment in furnace: Maximum 20 times · Automatic optimum temperature search function for furnace program · Inner gas flow rate: 0 to 1.50 L/min <p>Safety features:</p> <ul style="list-style-type: none"> · Cooling water flow rate monitor · Gas pressure monitor · Overcurrent protection unit (double check by circuit protector and optical sensor) · Furnace block cooling check <p>Positioning :</p> <ul style="list-style-type: none"> · Lateral/vertical manual adjustment <p>Power requirements: 220 VAC ±5%, 7400 VA, 50/60 Hz</p> <p>Dimensions and weight : 260 W × 560 D × 507 H mm, 50 kg</p> <p>Data processing</p> <p>Parameter Setting : Wizard method</p> <p>Measurement mode : Flame continuous method, flame micro</p> <p>Sampling method, furnace method, flame emission method</p> <p>Calibration mode : · Calibration curve method (select primary, secondary, tertiary)</p> <p>Standard addition method, simple standard addition method (primary expression)</p> <p>Repeat analysis : Up to 20 repetitions. Mean value, standard deviation (SD) and coefficient of variation (RSD) display Automatic exclusion of deviant values by setting SD and %RSD</p> <p>Baseline correction : Automatic correction of baseline drift by offset correction in peak height / peak area modes</p> <p>Signal processing segment setting : Signal processing segments can be changed in peak height / peak area modes</p> <p>Sensitivity correction : Automatic calibration curve correction function using sensitivity monitoring</p> <p>Calculation factor : Final concentration calculations based on sampled volume, dilution rate, fixed volume, and factor inputs</p> <p>QA/QC : Select whether to continue or discontinue measurements based on results of evaluation on coefficient of correlation, %RSD, ICV.ICB,CCV.CCB, PB, LCS, SPK, PDS, and DUP.</p> <p>Power Requirements : 220 AV, 60 Hz</p> <p>Ambient Temperature/humidity: 10 to 35°C, 20 to 80% (less than 70% when Temperature is higher than 30 °C)</p> <p>Additional Package Inclusion:</p> <p>Installation : Free-of-charge by Factory Trained Engineer</p> <p>Training : Free-of-charge by Trained Application Chemist</p>				
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Warranty : Twelve (12) months on parts and services				
B. 1 UNIT AUTOSAMPLER Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 Control : RS-232C communication control from AA unit Maximum reagent / : Reagents: 8 positions Samples: 60 positions sample positions (random access available with reagents or samples) Rinse water bottle : 2 L Power requirements : 220VAC 50 VA, 50/60 Hz Functions : Zero-point detection, auto diagnosis, auto rinse, random access Sample volume : Sample vials: 15 mL, reagent vials: 53 mL Nozzle rinse : Solvent rinse aspiration method Dimensions and weight : Sampler: 340 W × 280 D × 270 H mm, 8 kg Controller (including stand): 260 W × 200 D × 320 H mm, 7 kg Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services				
C. 1 UNIT MERCURY VAPORIZER UNIT Technical Specifications: The unit must be compatible to AAS Shimadzu Model AA-6880 This mercury vaporizer is for cold vapor atomic absorption spectroscopy Power requirements: 240 VAC, 50 VA, 50/60 Hz Includes gas flow cell, gas flow cell holder, and mercury hollow cathode lamp. ACCESSORIES INCLUDED: ·High Density Graphite Tube - 5pcs ·Argon Regulator ·Argon Gas ·Water Cooling Circulator ·Gas Line Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services				
SUPPLY, DELIVERY AND INSTALLATION OF MOLECULAR BIOLOGY EQUIPMENT With the following breakdown:	1 Lot	Php 2,100,000.00		

<p>A. 1 UNIT GEL DOC IMAGING SYSTEM WITH IMAGE LAB TOUCH SOFTWARE SUPPORTING APPLICATIONS</p> <p>Fluorescence: Yes Colorimetry: Yes Gel Documentation: Yes The unit must be compatible to Thermal Cycler C1000 Touch</p> <p>AUTOMATION CAPABILITIES</p> <p>Gel Doc Imaging System automatically recognizes your application- specific tray and adjusts imaging parameters and software options accordingly</p> <p>Auto-focus Pre-calibrated focus for any zoom setting</p> <p>Auto-exposure Two (2) auto-exposure algorithms (rapid or optimal)</p> <p>HARDWARE SPECIFICATIONS</p> <p>Touch-screen Functionality: Multitouch capable</p> <p>Display resolution 1,024 x 768 pixels</p> <p>9.7" (24.64 cm) display</p> <p>Maximum Image Area (W x H): 21x14cm</p> <p>Detector: 6.3 MP CMOS</p> <p>Pixel Size: 2.4 x2.4 µm</p> <p>Bit Depth (gray levels): 65,536</p> <p>Dynamic Range: >3.5 orders of magnitude</p> <p>Excitation Source: Trans-UVB (Standard)</p> <p>Epi-white (Standard)</p> <p>Trans-white (with Optional White Tray)</p> <p>Trans-blue (with Optional Blue Tray)</p> <p>Emission Filter: 535-645 nm (standard)</p> <p>Data Output: 16-bit or 8-bit: scN, TIFF, JPEG image files</p> <p>Operating Voltage: 100-240 vAc, 50-60 Hz</p> <p>Operating Temperature: 10-28 °C</p> <p>Operating Humidity: 20-80% relative humidity (non-condensing)</p> <p>Components of Gel Doc Imaging:</p> <ol style="list-style-type: none"> 1. GelDoc Imaging System 2. Imagelab Touch Software 3. Uv/Stain-free Tray for Gel Doc Imaging System <p>Other Inclusions:</p> <ol style="list-style-type: none"> 1. One (1) unit of Computer 2. One (1) unit of Continuous Ink Printer 3. One (1) unit of Automatic Voltage Regulator (2 kva) 4. One (1) unit of Uninterruptible Power Supply (2 kva) <p>Additional Package Inclusion:</p> <p>Installation : Free-of-charge by Application Engineer</p> <p>Training : Free-of-charge by Trained Application Specialist</p> <p>Warranty : Twelve (12) months on parts and services</p>				
<p>B. 1 UNIT WIDE MINISUB CELL GT SYSTEM AND POWERPAC- BASK POWER SUPPLY</p> <p>Cell GT Specifications:</p>				

<p>GT base footprint {L x W x H): 25.5 x 17.8 x 6.8 cm GT base buffer volume: 650-900 mL GT base gel size: 15x7cm Geltray sizes: 15x10cm Construction: GT base: Molded clear plastic Gel casting gates: Aluminum Safety lid: Molded clear plastic Electrode wire guard: Molded polycarbonate Banana plugs: Gold-plated brass, 4-4 cm length Electrodes: Platinum, 0.25 mm diameter Electrical cables: Dual, 20 AWG, tinned copper wire cable Flame-retardant polyurethane insulation jacket Electrical leads: Nickel silver Geltray: Uv-transparent acrylic plastic (UVTP) Combs: Molded plastic and machined acrylic Gel casting device: Polycarbonate 0.64 cm silicon foam The unit must be compatible to Thermal Cycler C1000 Touch PowerPac Output Specifications: Power requirements: 240 VAC, 50 VA, 50/60 Hz Fuses 2.5 A, 250 VAC, 5 mm x 20 mm, Type T Input power cord 3-wire; Grounded Output (programmable) Voltage 10 V to 300 V, fully adjustable in 1V steps Voltage accuracy 1 2% of reading or 3 volts, whichever is more Current 4 mA to 400 mA,, fully adjustable in 1 mA steps Current accuracy t 2% of reading or 3 mA" whichever is more Power (maximum) 75W Terminals 4-pair recessed banana jacket floating in parallel</p> <p>Additional Package Inclusion: Installation : Free-of-charge by Application Engineer Training : Free-of-charge by Trained Application Specialist Warranty : Twelve (12) months on parts and services</p>				
<p>SUPPLY, DELIVERY, AND INSTALLATION OF ANALYTICAL LABORATORY EQUIPMENTS</p> <p>With the following breakdown:</p>	<p>1 Lot</p>	<p>Php 3,355,000.00</p>		
<p>A. 1 UNIT MICROWAVE DIGESTION SYSTEM Main technical specifications -The microwave cavity must have the following dimensions 30cm (W) 30cm (D) 33cm (H) and a volume of ~ 30 L to ensure maximum safety of operation and high throughput rotors capability. -Up to 14 positions rotor with the following specifications: 35 bar, 300°C, 100 mL. Vessels made</p>				

<p>of PTFE-TFM; safety shields made of reinforced PEEK; individual pressure release mechanism (vent-and-reseal technology); rotor design to simultaneous remove all the PTFETFM vessels.</p> <p>-The system must be provided with a web-application that works on external devices PC, tablets or smartphones. It includes a database with valuable information: list of parts, technical notes, user manual, video tutorials, updated application notes, the complete library of available scientific articles, and a help-on-line section.</p> <p>-The software must be available in 11 languages, icon-driven, with a built-in library of minimum 150 methods. The software must display simultaneously time, power, temperature and pressure.</p> <p>The software must be able to use the same method regardless the number of vessel or type of rotor used.</p> <p>HARDWARE</p> <ul style="list-style-type: none"> • Stainless steel housing with multi-layer of corrosion resistant coating • Large flange of 36 mm ID to be used for additional applications such as reflux reaction. • Additional ports on the side walls of the microwave cavity • Chassis protected against acids and solvents with polymer coating on both inner and outer surfaces • Self-resealing pressure responsive door mounted on sprigs, to ensure maximum safety even in case of overpressure release. • Door completely made of stainless steel and left opening door • An automatic door locking system ensures to keep the door closed until the set temperature is reached. User can modify the set temperature according to the lab needs. • Four independent door safety interlocks to prevent microwave emission in case of improper door closure or misalignment • Built-in exhaust system located above the microwave cavity and separated from the electronics to prevent corrosion. • Magnetron max power: 1000W. • Static diffuser for homogeneous microwave distribution in the cavity. • Thermal switch on the magnetron for protection from reflected microwave power. • Continuous and PID-controlled microwave emission at all power levels • Emission and Safety Norms: EN61010-1:2001; EN61010-2-010:2003; UL61010-1:2004; CAN/CSA- C22.2 No 61010-1:2004; CAN/CSA- C22.2 No 61010-2-010:2004;EN61326- 1:2006;CEI EN 61326- 2-6:2006 <p>USER INTERFACE</p> <ul style="list-style-type: none"> • Touch-screen 5” TFT display. 800x480 pixel, n°1 USB ports • Icon-driven multi-language (Chinese, English, French, German, Italian, Japanese, Polish, 				
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<p>Portuguese, Russian, Spanish, and Turkish) software allowing the user the edit, save, and run a virtually unlimited number of methods</p> <ul style="list-style-type: none"> • Multiple-level access by password, such as User, administrator, service. • The software must have dedicated pages to the sample information, such as sample amount, reagents mixture. • Fully compliant to 21 CFR part 11 <p>REACTION SENSOR</p> <ul style="list-style-type: none"> • Direct contactless temperature control in all positions via a dedicated sensor. Temperature reading up to 300°C. <p>ROTORS AND VESSELS</p> <p>The rotor specifications are:</p> <ul style="list-style-type: none"> • Positions up 14 • Max Temperature 300C • Max Pressure upto 500 psi • Volume 100 ml • Vessel Material PTFE-FTM • Safety Shield Material PEEK reinforced with glass fiber • Every vessel must have a vent-and-reseal spring to safely release the pressure in case of overpressure. Burst-disk, membrane or self-releasing device are not suitable due to very low performance. • The system must be able to accommodate other accessories to perform solvent extraction, microwave synthesis and other microwave applications in a single platform. <p>Inclusions:</p> <p>14 rotor, 100 ml, complete with 14 pressure reactors for 1 set</p> <p>The kit includes:</p> <p>14 rotor body for 100ml vessels</p> <p>Vessel 100 ml with protection cover, automatic pressure valve and safety shield</p> <p>Vessel 100ml complete with threaded cover and pressure valve</p> <p>Vessel 100ml complete with thread for rotor</p> <p>Cover with thread for rotor vessel</p> <p>TFM valve for rotor cover</p> <p>Protection shield for pressure vessel</p> <p>14 pcs Vessel 100 ml with protection cover, automatic pressure valve and safety shield</p> <p>1 unit AVR 10KVA</p> <p>Additional Package Inclusion:</p> <p>Latest Edition of AOAC Standard Methods</p> <p>Installation : Free-of-charge by Factory Trained Engineer</p> <p>Training : Free-of-charge by Trained Application Chemist</p> <p>Warranty : Twelve (12) months on parts and services</p>				
<p>B. 1 UNIT FIBER ANALYZER Crude Fiber, Neutral & Acid Detergent Fiber Features</p>				

<p>fiber analyzers suitable for raw fiber extraction, conventionally known as an indigestible residue. Rapid analysis, reliable results and high reproducibility are some of the most relevant benefits of these units which are ideal for the following applications:</p> <ul style="list-style-type: none"> - the Weende method, the oldest analytical procedure still in use today, in which fiber concentration is measured as crude fiber (CF) - the Neutral Detergent Fiber (NDF), a method developed by Van Soest, now the most common measure of fiber used for animal feed analysis - Acid Detergent Fiber (ADF), a portion of the plant fiber and includes cellulose, lignin and variable amounts of xylans. - Acid Detergent Lignin (ADL) determination and Wijkstrom technique, a modification of the Weende method <p>High Reliability, Single or Multiple Extractions</p> <p>Perform single or multiple extractions including boiling, rinsing and filtration steps with the maximum reproducibility available.</p> <p>No sample transfer prevents any possible sample loss, as crucibles can also be used as sample vessels during weighing, drying and washing.</p> <p>Pre-heat the reagents with RC2 hot plate (included), and pour them directly into the system.</p> <p>Rapid Heating Element</p> <p>An extremely efficient heating element speeds up the analysis, ensuring rapid heating of the sample, previously mixed with pre-heated reagents.</p> <p>Also after the second reagent addition, the heating element grants a fast re-heating of the solution, for conspicuous saving in terms of time.</p> <p>Reduces the time required for the analysis: the equivalent manual procedure will require more than 6 hours, compared to the 2 hours with fiber analyzer.</p> <p>No transfer and sample loss</p> <p>In order to prepare the sample for fiber analysis, COEX ensures rapid fat extraction directly into the same glass crucibles used by the series.</p> <p>The crucible, containing the defatted sample, is transferred directly to the analyzer, eliminating possible errors due to sample transfer.</p> <p>TENDER SPECIFICATIONS – FIBER ANALYZERS</p> <ul style="list-style-type: none"> • Fiber determinations based on Weende, van Soest and other AOAC-recognized methods • Able to analyze various types of fiber e including Crude Fiber, NDF (hemicelluloses, cellulose, lignin), ADF (Cellulose, lignin), and ADL (acid detergent lignin) • Semi-Automatic boiling, washing and filtration process for fiber extraction of up to 6 samples • The device can analyze from 0.5 to 3 g of sample size for each position and enables the analysis of up to 36 samples in 6 hours • Samples can be processed individually • Fiber measurement range is 0.1 – 100% 				
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<ul style="list-style-type: none"> • High reproducibility of the results: $\pm 1\%$ relative or better • Back-pressure pump prevents the clogging of crucibles • An extremely efficient heating element speeds up the analysis, ensuring rapid heating of the sample, previously mixed with pre-heated reagents • Back-pressure pump prevents the clogging of crucibles • Sample removal with air pump • Reagent discharge with a peristaltic pump • Electronic regulation of the temperature • Digital timer from 0 to 99 minutes with an acoustic signal at the end • Depth: minimum 0.39 m • Width: minimum 0.76 m • Power supply 230V, 50-60Hz - 115 V / 60 Hz • Power rating: 900 W - 1200 W • The reagent tanks are in glass and insulated to maintain the temperature of the reagents • The peristaltic pump for the discharge of liquids is operated by a gear motor equipped with a safety thermostat against over temperatures due to heavy or continuous work • Working environment temperature +5 ... +40 °C (+41 +104 °F) • Storage temperature °C +5°C.....+60°C <p>TECHNICAL DATA</p> <p>CONSTRUCTION MATERIAL: epoxy painted stainless steel structure</p> <p>TYPE OF EXTRACTIONS: cold and hot extractions</p> <p>NUMBER OF SAMPLES: 6 positions</p> <p>SAMPLES: individually processed</p> <p>SAMPLE QUANTITY: from 0,5 to 3 g</p> <p>REPRODUCIBILITY (RSD): $\pm 1\%$</p> <p>SAMPLE REMOVAL: air pump</p> <p>REAGENT DISCHARGE: peristaltic pump</p> <p>DIGITAL TIMER: 0 - 99 minutes with acoustic signal at the end</p> <p>TEMPERATURE: electronic regulation</p> <p>REAGENTS AND COOLING WATER: separated outlets</p> <p>POWER: 1200 W</p> <p>WEIGHT: 40 Kg (101.2 lb)</p> <p>DIMENSIONS (WXHxD): 760x620x390 mm (29.5x24.4x15.4 in)</p> <p>APPLICATIONS</p> <p>Raw fiber (Weende, Wijstrom)</p> <p>Neutral or acid detergent treatment fiber (Van Soest)</p> <p>Lignin, Cellulose, Hemicellulose</p> <p>Included:</p> <p>RC 2</p> <p>Heat shield</p> <p>PVC tube</p> <p>Glass crucible P2 - 6pcs</p> <p>Reagent glass bottle (x2)</p> <p>Pincer for crucibles</p> <p>Crucibles holder</p>				
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<p>Inlet tube 1 unit AVR 10KVA Additional Package Inclusion: Installation : Free-of-charge by Factory Trained Engineer Training : Free-of-charge by Trained Application Chemist Warranty : Twelve (12) months on parts and services</p>				
<p>SUPPLY, DELIVERY, AND INSTALLATION OF GENERAL AND FOOD PROCESSING LABORATORY EQUIPMENT</p> <p>With the following breakdown:</p>	<p>1 Lot</p>	<p>Php 2,534,000.00</p>		
<p>A. ONE (1) UNIT MICROBIOLOGICAL INCUBATOR Key Features: Gravity convection provides gentle air flow and minimal drying out Corrosion-resistant stainless-steel chamber (AISI 430) Intuitive user interface for setting temperature Large, easy to read vacuum fluorescent display Exceptionally small footprint Temperature Security: Temperature range from ambient + 5° to 75°C Internal glass door allows sample viewing without impacting temperature Technical Specifications: Type Microbiological Incubator Capacity 117 L (4 cu. ft.) Temperature Range (Metric) Ambient +5°C to 75°C Controller Type Microprocessor control with vacuum fluorescent display Convection Technology Gravity convection No. of Shelves 2 supplied/ 16 max. Certifications/Compliance CE Marked Includes: 3 KVA AVR Additional Requirements: -Suppliers must provide certificate of exclusive /Authorized distributorship of the product. -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>				
<p>B. ONE (1) UNIT SCIENTIFIC LABORATORY REFRIGERATOR Technical Specifications: Description TSG Series General Purpose Refrigerator Capacity 400 L (12 cu ft) Temperature Range 3°C to 7°C Temperature (Setpoint) +5°C Refrigerant R290 Door Style Glass</p>				

<p>No. of Doors 1 Shelves 4 Adjustable Capacity Shelf 45 kg (100 lb) Cabinet Material Painted Steel Exterior Finish Painted Interior White (Painted) Certifications/Compliance cULus, ENERGYSTAR Control Type Capacitive Touch Ports 1 Rear Access Port Monitoring Options SmartVue Pro, Remote Alarm Contacts Access Security Key Lock Plug Type NEMA 6-15 Product Overview Purpose-built from the ground up for clinical and research laboratory customers Quiet operation, less than 53dB ENERGY STAR certified Heat-free defrost Double-pane glass doors Four 2 in. casters, front casters are lockable Self-closing door with 90° stop Bright LED interior lighting Hi/Lo Temperature, door ajar, and power failure alarms 12 hour controller battery backup Rear access port Keyed door locks, compatible with popular E-lock adapters Remote alarm contacts Available accessories such as chart recorders, independent temperature monitors, surge suppressors, and more Includes: 5kva AVR</p>				
<p>C. ONE (1) UNIT WATER ACTIVITY METER Technical Specification Working Temp. -10°C~50°C Working Humidity 0~95%RH Display LCD display Measuring Temperature -10°C~50°C Range Water Activity 0~1.000 Measurement Temperature ±0.5°C Accuracy Water Activity ±0.015 (@25°C) ±0.012 (@23°C±5°C) Measurement Time 5~40min Measurement Points 1~4 Temperature Coefficient ≤0.0005/°C Activity Repeatability ≤0.008 Multi-point joint calibration, single-point calibration Interface RS232, USB Standard Accessories Data cable, micro printer, one sensor Consumption 10W Power Supply AC110/220V±10%, 50/60HZ Feature: 1. The measured object is unlimited, liquid solids and powder etc 2. Chemical resistant.</p>				

<p>Additional Requirements: -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>				
<p>D. ONE (1) UNIT FLOOR TYPE LABORATORY SCALE SMALL SPRAY DRYER Chamber material: High borosilicate glass Water evaporation: 1500ML Minimum feed quantity: 80ML Drying chamber (mm) : Φ 300 Maximum intake Temperature: ~250 C (adjustable) Hot air condition: Air Supply Heater capacity: 3kw Blower [power(kw), air volume (m³/min)] : [0.25,9.5m/Min] Compressor [power (kw), air volume (L /min)]: [0.58, 108 LPM] Electric power (kw): 4kw Outline size (mm) (l×w×h): 800×600×1300 Power supply: 220V/50Hz Additional Requirements: -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>				
<p>E. ONE (1) UNIT VERTICAL AUTOCLAVE Technical Specifications Chamber (inner dia.x usable depth): 320 Φ x 676 mm (54L) Usable max.pressure: 0.27MPa Usable max. Temperature: 140°C Usable Temperature: Sterilization: 100-140°C, Dissolving: 40-99°C warming: 40-60°C Usable time: Sterilization, Dissolving : 0min ~48hrs. continuous. Warming: 0min~48hrs.00min. Controller : Microprocessor controller, graphic display Temperature: 3 digits, PID Control Timer: 2 digits hours: 2 digits minutes, down count (Temperature/Time Integration system) Air exhaust device: Temperature (99°C---adjustable) sensing time (3mins---adjustable)control & solenoid valve (timed free steaming system) Exhaust cooling System: Water storage tank with cooling coil and exhaust drain receiver bottle Drain valve: Manual valve at inner side of exhaust bottle. Safety Devices: Interlock system, electromechanical lock sytem, double check system of lid close. Overpressure detector, over temperature</p>				

<p>detector, water lackpreventor, sensor break indicator, abnormal time indicator, memory of power failure,safety valve breaker for slight leakage, over current and short circuit</p> <p>Safety valve operation: 0.29MPa Water test pressure: 0.58 MPa</p> <p>Chamber and Lid: Stainless steel SUS304, shiny, polished. Molded silicon rubber lid gasket (self-seal system)</p> <p>Outer Panel: Steel with baked melamine finish Top paneheat resisting molded resin</p> <p>Power demand: 2.6 kW, 12 A, 50/60Hz, AC220-240V, 1 phase</p> <p>Stainless wire basket: 380 Ø x 300 mm x 2 pcs; Standard for all CL models</p> <p>Includes: 10 KVA AVR</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Suppliers must provide certificate of exclusive /Authorized distributorship of the product. -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 				
<p>F. ONE (1) UNIT CAN SEAMER</p> <p>Technical Specifications:</p> <p>Voltage: 110 /220 V</p> <p>Power: 140 W</p> <p>Capacity: 20-30 pcs per minute</p> <p>Size: 25*45*60cm</p> <p>Weight: 49kg</p> <p>Can Diameter: 55-120MM</p> <p>Can Height: 60-170MM</p> <p>Material: Stainless steel</p> <p>Includes:</p> <p>100 pcs of empty tin can fit to its desired diameter and height.</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments 				
<p>G. ONE (1) UNIT DEOILER</p> <p>Technical Specifications:</p> <p>Voltage: 220 V</p> <p>Power: 0.25 KW</p> <p>Capacity: 20L (About 5kg Leafy Vegetables)</p> <p>Speed: 400 rev/ min.</p> <p>Dimensions: 600*460*800mm</p> <p>Basket Diameter: 300 dept 300mm</p> <p>Additional Requirements:</p> <ul style="list-style-type: none"> -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off 				

<p>-Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>				
<p>H. ONE (1) UNIT PRESSURE CANNER RETORT / PRESSURE COOKER Technical Specifications: Capacity 41.5 Quarts Material Aluminum Color Silver Finish Type Aluminium Product Dimensions 18.9"D x 20"W x 18.7"H Special Feature Gas Stovetop Compatible Item Weight 33 Pounds Control Method Touch Controller Type Hand Control Operation Mode Automatic Is Dishwasher Safe No Closure Type Snap Additional Requirements: - Latest Edition of SMEW Standard Methods - Latest Edition of A Guidebook to Plant Screening: Phytochemical and Biochemical by Beatrice Q. Guevara -Supplier Must have Readily available Service Engineer base in Mindanao With attached I.d to show off -Offer MUST include Installation, Commissioning and training -(1) One Year Warranty on Parts and Services upon normal use of Instruments</p>				

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) **in accordance with Section 8.5.2 of the IRR;**

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) 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**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) 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

- (g) 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

- (h) 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.

II. FINANCIAL COMPONENT ENVELOPE

- (i) Original of duly signed and accomplished Financial Bid Form; **and**
- (j) Original of duly signed and accomplished Price Schedule(s).

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

- (k) [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.
- (l) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

