

PHILIPPINE BIDDING DOCUMENTS

Procurement of Laboratory Equipment for the College of
Engineering

(Project Title)

P5,765,000.00

(Approved Budget for the Contract)

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 note 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.



MARIANO MARCOS STATE UNIVERSITY

Section I. Invitation to Bid

2022-015

INVITATION TO BID FOR THE PROCUREMENT OF LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING

1. The **MARIANO MARCOS STATE UNIVERSITY**, through the Internally Generated Income of 2022, intends to apply the sum of **Five Million Seven Hundred Sixty-Five Thousand Pesos only (PhP5,765,000.00)**, being the Approved Budget for the Contract (ABC), to payments under the contract of the above project. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **MARIANO MARCOS STATE UNIVERSITY** now invites bids for the above project. Delivery of the Goods is required within **60 calendar days** from receipt of Notice to Proceed. Bidders should have completed, within two (2) 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 (Instruction 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) 9184, otherwise known as the “Government Procurement Reform Act,”.

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, in accordance with Republic Act 5183.

4. Prospective bidders may obtain further information from **MARIANO MARCOS STATE UNIVERSITY** and inspect the Bid Documents at the address below, during regular office hours.
5. A complete set of bid documents may be acquired by interested Bidders on **March 31, 2022** from the given address and website below upon payment of the corresponding fee in the amount of **Ten Thousand Pesos (P10,000.00)**.
6. The MMSU shall allow the bidder to present its proof of payment for the fees in person and electronic means.
7. The **MARIANO MARCOS STATE UNIVERSITY** will hold a Pre-Bid Conference on **April 7, 2022** at 2:30 PM at the Conference Room, FEM Hall Extension Building, MMSU, City of

Batac and/or through video conferencing or webcasting via Google Meet (meet.google.com/roi-qhgz-dkm) which will be open to prospective bidders.

8. Bids must be duly received by the BAC Secretariat thru a) manual submission at the office address indicated below, b) online or electronic submission as indicated below, or both on or before **April 21, 2022 at 2:00 PM**. Late bids shall not be accepted.
9. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
10. Bid opening shall be on **April 21, 2022; 2:00 PM** at the given address below and/or via e-mail algabriel@mmsu.edu.ph. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
11. **The MARIANO MARCOS STATE UNIVERSITY reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.**
12. For further information, please refer to:

Ms. AGNES L GABRIEL
Chief, BAC Secretariat
Mariano Marcos State University
City of Batac, Ilocos Norte
Email: algabriel@mmsu.edu.ph

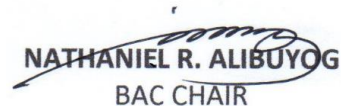
13. You may visit the following websites:

For downloading of Bidding Documents:

<https://bac-admin.mmsu.edu.ph/bids>

<https://notices.philgeps.gov.ph>

March 30, 2022.


NATHANIEL R. ALIBUYOG
BAC CHAIR

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, Mariano Marcos State University wishes to receive bids for the **Procurement of Laboratory Equipment for the College of Engineering with Identification Number ITB2022-015** the details of which are described in Section VII (Technical Specifications).

2. Funding Information

- 2.1. The GOP through the Internally Generated Income of 2022 as indicated below for 2022 in the amount of **P5,765,000.00**
- 2.2. The source of funding is: **IGI 2022**

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.
- a. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA’s CPI, must be at least equivalent to:
 - a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
 - b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.
 - c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of

public bidding: the Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies*] of the ABC for this Project; and
- ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time through videoconferencing/webcasting and face-to-face at its physical address **MMSU, Brgy. Quiling Sur, City of Batac, Ilocos Norte** 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 *2 years* prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
 - b. For Goods offered from abroad:

- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

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

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration¹ 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 for 120 days from the opening of bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit three copies 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.

¹ 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.

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.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

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

- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

Option 3 - One Project having several items, which shall be awarded as separate contracts per item.

- 19.4. 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

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, 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. <i>Supply and delivery of laboratory equipment</i> b. completed within <i>two years</i> prior to the deadline for the submission and receipt of bids.
7.1	<i>Sub-contracting is not allowed</i>
12	The price of the Goods shall be quoted DDP, MMSU, City of Batac 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: <ul style="list-style-type: none"> a. The amount of not less than <i>two percent (2%) of ABCJ</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <i>five percent (5%) of ABCJ</i> if bid security is in Surety Bond.
19.3	<i>No further instructions.</i>
20.2	<i>No further instructions.</i>
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 prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

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

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

- 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>The outer packaging of goods to be delivered shall indicate a legible label indicating there in the corresponding Purchase Order Number(s) and/or Contract Agreement Number(s) in each box.</p> <p style="padding-left: 40px;">Additional Documents to be included in the delivery of Equipment:</p> <ol style="list-style-type: none"> 1. Warranty Certificate 2. Brochures 3. Schedule of Preventive Maintenance 4. Calibration Certificate (with measuring devices) 5. Attendance – Product Demonstration 6. Certificate of Training 7. Service/Operations Manual <p style="padding-left: 40px;">Additional Documents to be submitted – Semi-Expendable Items</p> <ol style="list-style-type: none"> 1. Warranty Certificate (if applicable) 2. Brochures (if applicable) 3. Calibration Certificate (with measuring devices)(if applicable) 4. Service/Operations Manual <p>Delivery of Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are as follows:</p> <p>For Goods Supplied from Abroad, the delivery terms applicable to the Contract are DDP delivered to MMSU, City of Batac. In accordance with INCOTERMS.”</p> <p>For Goods Supplied from Within the Philippines, the delivery terms applicable to this Contract are delivered to MMSU, City of Batac. 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> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <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 <i>Supply Office Staff and the Inspection Team</i>.</p> </div> <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: <i>Select appropriate requirements and delete the rest.</i></p>

	<ul style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
	<ul style="list-style-type: none"> e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ul style="list-style-type: none"> a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> 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. <p>The spare parts and other components required are listed in Section VI (Schedule of Requirements) and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of <i>[indicate</i></p>

	<p><i>here the time period specified. If not used indicate a time period of three times the warranty period).</i></p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within [<i>insert appropriate time period</i>] months of placing the order.</p>
	<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 Supplier's risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>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	<i>No further instructions.</i>
4	<p>The inspections and tests that will be conducted are:</p> <ol style="list-style-type: none"> 1. actual demonstration on-site and/or off-site for those who meet the minimum requirement for the post-qualification evaluation 2. MMSU or its representative shall have the right to inspect and/or test the GOODS at any point during post-qualification evaluation.

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	QTY	Unit	ITEM DESCRIPTION	ABC/unit	UNIT PRICE
1	1	set	COMPLEXIMETRY EXPERIMENTAL SET that includes: Glass and Calomel Electrode, Mettler Balance and Triple beam balance; Max Weight: 2610g, Graduation Value: 0.1g, Beam calibrations: 10*0.1g, 100*10g, 500*100g; Total capacity is maximum of 2610 grams	200,000.00	
2	1	set	LABORATORY WATER DISTILLER with pump, engine, tlc. 5-89 liters per hour capacity, TOC control, Microbiological control of less than 50 cfu/ml	200,000.00	
3	1	set	HEAT OF REACTION EXPERIMENT ELECTRONIC ADIABATIC BOMB CALORIMETER specimen: coal, oils, tar and paraffin, wood pellet, Biochar etc; Test method: ASTM; Power supply: AC 220V+5%, 50 Hz; Display: LCD; Detection limit: 600J	1,000,000.00	
4	1	set	POLARIMETRY EXPERIMENT Polarimeter that meets all application requirements for the determination of optically active substances and their concentration determination for the pharmaceutical, cosmetics, chemical, and medical industries, as well as for R & D.	200,000.00	
5	1	set	AGITATION OR MIXED SET APPARATUS A vortexer that has a small footprint that's ideal for benchtop laboratory space. It measures 10.1-10.2 inches wide by 12.5-12.6 inches deep by 5.5 inches high. It weighs 16-17 pounds and has a 3-3.2-millimeter orbit size. It has a maximum capacity of 4.4 pounds and a speed range of between 100 rpm and 1,200 rpm. The ambient operating temperature ranges from 4 degrees and 65 degrees Celsius.	150,000.00	

6	1	pc	<p>CHEMICAL ENGINEERING SIMULATION SOFTWARE. Chemstations' software suite for process simulation. Features include process development, equipment design, equipment sizing, thermophysical property calculations, dynamic simulations, process intensification studies, energy efficiency/optimization, data reconciliation, process economics, troubleshooting/process improvement, Microsoft Visual Basic etc. (Training on operation included but can be conducted)</p>	100,000.00	
7	1	pc	<p>LABORATORY JAW CRUSHER. Laboratory Jaw Crusher reduces 2-2.05 inches (50-51 mm) aggregate, ore, and rock materials to a product with 80-85% passing a No. 14 (1.4mm) sieve. Jaw opening easily adjust down to 1mm minimum to closely control output size. The maximum throughput is approximately 50lb (22 kg) per hour at 525 rpm. The rate of operation is regulated by the variable speed controller. Jaw plates are high-impact, wear-resistant AR450 steel. It has a 1hp electric motor. Electrical cord and plug are included for operation on 220V/50-60Hz electrical supplies.</p>	150,000.00	
8	1	set	<p>DIFFUSIVITY APPARATUS. Capable of conducting non-contact measurements of thermal diffusivity, heat capacity and thermal conductivity for solid, semisolids and liquid samples. Thermal diffusivity; The apparatus is suitable for the measurement of thermal diffusivity between the range of 0.1 to 1000 mm²/s of various materials. Thermal Conductivity: The measuring range for thermal conductivity is of the order of 0.1 W/m/K. However, measurements may be conducted on samples but with high uncertainty in the lower range band.</p>	200,000.00	

9	1	set	LABORATORY DUST COLLECTOR MACHINE. 220-240V; 50-60Hz. Powerful, bag-free extraction unit with two independently controlled suction ports, automatic filter cleaning and EC motor technology	100,000.00	
10	1	set	LABORATORY FLUIDIZED BED REACTOR. Test the chemical reactivity of solid particles fluidized with a gas. The novelty of the system is that it can be used for testing any solid particles	100,000.00	
11	1	set	GAS ABSORPTION PACKED COLUMN APPARATUS. 1. This apparatus is used to determine the air pressure differential across the columns as a function of airflow rate at different water flow rates down the column, and flooding point can be noted. Absorption process of carbon dioxide from air-CO ₂ mixture into caustic soda solution, is also studied using this system. 2. The system components are mounted within a floor standing painted steel framework. 3. The wetted wall column is a glass column with water inlet and outlet sections and is gimbal mounted to ensure that it can be set accurately vertical.	200,000.00	
12	1	set	HEAT TRANSFER LAB EQUIPMENT. Material: Stainless Steel; Display: Digital; Voltage: 220V; Current: 2 Amp; Current Type: DC	150,000.00	
13	1	set	DIGITAL ELECTRONIC HYDROMETER. Has an in-tank, drop-hang submersible density meter that monitors and records specific gravity/liquid density during a mixing, blending or plating operation. Density; +0.400 g/cm ³ (within the range of 0.550 lower limit to 2.000 g/cm ³ upper limit) Sample Temperature; 20 - 160 °C (40-220 °F)	150,000.00	
14	1	set	LABORATORY ION EXCHANGE EQUIPMENT. The set up consists of two glass columns packed with Anion and Cation exchanger resin up to suitable height. The layer of glass wool is placed on bottom and top of the resin bed. The feed is allowed to enter from the bottom	250,000.00	

			of first column and comes out of the top, which is again passed through the second column in same fashion. A digital conductivity of liquid coming out of the second column. Flow rate of water is measured with the pre-calibrated rotameter. A tank with FHP pump with flow control valve and by-pass arrangement is provided for feed circulation.		
15	1	set	ISOTENISCOPE. A portable and multipurpose vapor pressure tester - includes the highest precision and comes with a pressure range between 0 and 2000 kPa.	50,000.00	
16	1	pc	LABORATORY SCALE DRYER. Automatic pin frame transport with pre-selectable dwell times. Heating temperature up to 250 °C; Audible alarm for end of test; Even temperature distribution by the air circulation fan	250,000.00	
17	1	pc	Multi-Element Lamp for Agilent 55B model AAS. (Detect Calcium, Manganese)	50,000.00	
18	2	pcs	OSTWALD VISCOMETER. For the determination of relative viscosities of liquids. Adjusted for outflow time of 80 to 100s with water at 20 °C.	25,000	
19	1	pc	PIEZOMETER. A vibrating wire piezometer used to measure pore water pressure in soil, earth/rockfills, foundations and concrete structures. The unit is of stainless-steel construction and hermetically sealed under a vacuum of 0.001.	25,000.00	
20	1	set	Laboratory Plate and Frame Filter Press. A filter press that has 4" square plates made of polypropylene. The unit has 2 plates forming 3 cake chambers with a total capacity of approximately 0.5 L. It comes mounted on a base and includes a 1/4" air driven diaphragm feed pump. All valving, gauges and piping are included as well as a discharge container that fits under the filter to assist with cleanup of cake.	250,000.00	

21	1	set	EVAPORATOR. Material Stainless Steel; Shell Dia- 75 mm, Length- 750mm; Tubes Dia- 12 mm, Length 750 mm; Feed Circulation: by gravity Feed; Feed Tank: Material Stainless Steel, Capacity 25 ltrs; Flow Measurement: Rota-meters (one each for feed cold water); Steam Generator: Made of Stainless Steel Provided with Pressure gauges level indicator, Safety valve and drain	1,000,000.00	
22	1	set	Tyler Testing Sieves set with shaker. Tyler Sieves: 10 sets of Tyler sieves of different mesh number. Tyler Sieve Shaker: Measuring range*: 20um- 25 mm; Sieving motion: throwing motion with angular momentum; Amplitude: digital, 1-100% (0-3 mm); Suitable sieve diameters: 100 mm/ 200 mm/ 203 mm (8")	200,000.00	
23	2	set	WESTPHAL BALANCE. The measuring instrument is a special balance for measuring the density of liquid; Agate knife holder is used to ensure the sensitivity and accuracy of the balance; Wooden packaging, so that more convenient to carry, the operation is simpler; The main components of stainless steel, high strength, good stability.	20,000.00	
24	1	unit	Gravimetric Analysis Determination LABORATORY FURNACE. 1100 °C, 1200 °C or 1300 °C maximum operating temperature 5, 13, 23, 36 or 65 litre chamber volumes Carbolite Gero 301 controller, with single ramp to set-point & process timer; Vertical lift door keeps heated surface away from the user; Soft closing door on 5, 13, 21 & 23 litre models ; Delayed start/ process timer function as standard ; Hard wearing alumina element carrier, furnace entrance and hearth; Energy efficient low thermal mass insulation; Free radiating wire wound elements for optimum uniformity; Easy access to elements & controls simplifies maintenances & servicing; CWF-B:	700,000.00	

			Enhanced airflow from tall chimney & door vents for full combustion; CWF-BAL: with integrated balance that runs independently of the furnace control system; CWF - BAL: Software supplied with the balance may be used to monitor the balance reading via a computer; CWF- BAL: Maximum capacity of balance is 3kg with a resolution of 0.01 g (other capacities available)		
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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.

Technical Specifications

ITEM	QTY	Unit	ITEM DESCRIPTION	Compliance to Tech. specifications
1	1	set	COMPLEXIMETRY EXPERIMENTAL SET that includes: Glass and Calomel Electrode, Mettler Balance and Triple beam balance; Max Weight: 2610g, Graduation Value: 0.1g, Beam calibrations: 10*0.1g, 100*10g, 500*100g; Total capacity is maximum of 2610 grams	
2	1	set	LABORATORY WATER DISTILLER with pump, engine, tlc. 5-89 liters per hour capacity, TOC control, Microbiological control of less than 50 cfu/ml	
3	1	set	HEAT OF REACTION EXPERIMENT ELECTRONIC ADIABATIC BOMB CALORIMETER specimen: coal, oils, tar and paraffin, wood pellet, Biochar etc; Test method: ASTM; Power supply: AC 220V+5%, 50 Hz; Display: LCD; Detection limit: 600J	
4	1	set	POLARIMETRY EXPERIMENT Polarimeter that meets all application requirements for the determination of optically active substances and their concentration determination for the pharmaceutical, cosmetics, chemical, and medical industries, as well as for R & D.	
5	1	set	AGITATION OR MIXED SET APPARATUS A vortexer that has a small footprint that's ideal for benchtop laboratory space. It measures 10.1-10.2 inches wide by 12.5-12.6 inches deep by 5.5 inches high. It weighs 16-17 pounds and has a 3-3.2-millimeter orbit size. It has a maximum capacity of 4.4 pounds and a speed range of between 100 rpm and 1,200 rpm. The ambient operating temperature ranges from 4 degrees and 65 degrees Celsius.	
6	1	pc	CHEMICAL ENGINEERING SIMULATION SOFTWARE. Chemstations' software suite for process simulation. Features include process development, equipment design, equipment sizing, thermophysical property calculations, dynamic simulations, process intensification studies, energy efficiency/optimization, data reconciliation, process economics, troubleshooting/process improvement, Microsoft	

			Visual Basic etc. (Training on operation included but can be conducted)	
7	1	pc	LABORATORY JAW CRUSHER. Laboratory Jaw Crusher reduces 2-2.05 inches (50-51 mm) aggregate, ore, and rock materials to a product with 80-85% passing a No. 14 (1.4mm) sieve. Jaw opening easily adjust down to 1mm minimum to closely control output size. The maximum throughput is approximately 50lb (22 kg) per hour at 525 rpm. The rate of operation is regulated by the variable speed controller. Jaw plates are high-impact, wear-resistant AR450 steel. It has a 1hp electric motor. Electrical cord and plug are included for operation on 220V/50-60Hz electrical supplies.	
8	1	set	DIFFUSIVITY APPARATUS. Capable of conducting non-contact measurements of thermal diffusivity, heat capacity and thermal conductivity for solid, semisolids and liquid samples. Thermal diffusivity; The apparatus is suitable for the measurement of thermal diffusivity between the range of 0.1 to 1000 mm ² /s of various materials. Thermal Conductivity: The measuring range for thermal conductivity is of the order of 0.1 W/m/K. However, measurements may be conducted on samples but with high uncertainty in the lower range band.	
9	1	set	LABORATORY DUST COLLECTOR MACHINE. 220-240V; 50-60Hz. Powerful, bag-free extraction unit with two independently controlled suction ports, automatic filter cleaning and EC motor technology	
10	1	set	LABORATORY FLUIDIZED BED REACTOR. Test the chemical reactivity of solid particles fluidized with a gas. The novelty of the system is that it can be used for testing any solid particles	
11	1	set	GAS ABSORPTION PACKED COLUMN APPARATUS. 1. This apparatus is used to determine the air pressure differential across the columns as a function of airflow rate at different water flow rates down the column, and flooding point can be noted. Absorption process of carbon dioxide from air-CO ₂ mixture into caustic soda	

			<p>solution, is also studied using this system. 2. The system components are mounted within a floor standing painted steel framework. 3. The wetted wall column is a glass column with water inlet and outlet sections and is gimbal mounted to ensure that it can be set accurately vertical.</p>	
12	1	set	<p>HEAT TRANSFER LAB EQUIPMENT. Material: Stainless Steel; Display: Digital; Voltage: 220V; Current: 2 Amp; Current Type: DC</p>	
13	1	set	<p>DIGITAL ELECTRONIC HYDROMETER. Has an in-tank, drop-hang submersible density meter that monitors and records specific gravity/liquid density during a mixing, blending or plating operation. Density; +0.400 g/cm³ (within the range of 0.550 lower limit to 2.000 g/cm³ upper limit) Sample Temperature; 20 - 160 °C (40-220 °F)</p>	
14	1	set	<p>LABORATORY ION EXCHANGE EQUIPMENT. The set up consists of two glass columns packed with Anion and Cation exchanger resin up to suitable height. The layer of glass wool is placed on bottom and top of the resin bed. The feed is allowed to enter from the bottom of first column and comes out of the top, which is again passed through the second column in same fashion. A digital conductivity of liquid coming out of the second column. Flow rate of water is measured with the pre-calibrated rotameter. A tank with FHP pump with flow control valve and by-pass arrangement is provided for feed circulation.</p>	
15	1	set	<p>ISOTENISCOPE. A portable and multipurpose vapor pressure tester - includes the highest precision and comes with a pressure range between 0 and 2000 kPa.</p>	
16	1	pc	<p>LABORATORY SCALE DRYER. Automatic pin frame transport with pre-selectable dwell times. Heating temperature up to 250 °C; Audible alarm for end of test; Even temperature distribution by the air circulation fan</p>	
17	1	pc	<p>Multi-Element Lamp for Agilent 55B model AAS. (Detect Calcium, Manganese)</p>	

18	2	pcs	OSTWALD VISCOMETER. For the determination of relative viscosities of liquids. Adjusted for outflow time of 80 to 100s with water at 20 °C.
19	1	pc	PIEZOMETER. A vibrating wire piezometer used to measure pore water pressure in soil, earth/rockfills, foundations and concrete structures. The unit is of stainless-steel construction and hermetically sealed under a vacuum of 0.001.
20	1	set	Laboratory Plate and Frame Filter Press. A filter press that has 4" square plates made of polypropylene. The unit has 2 plates forming 3 cake chambers with a total capacity of approximately 0.5 L. It comes mounted on a base and includes a 1/4" air driven diaphragm feed pump. All valving, gauges and piping are included as well as a discharge container that fits under the filter to assist with cleanup of cake.
21	1	set	EVAPORATOR. Material Stainless Steel; Shell Dia- 75 mm, Length- 750mm; Tubes Dia- 12 mm, Length 750 mm; Feed Circulation: by gravity Feed; Feed Tank: Material Stainless Steel, Capacity 25 ltrs; Flow Measurement: Rota-meters (one each for feed cold water); Steam Generator: Made of Stainless Steel Provided with Pressure gauges level indicator, Safety valve and drain
22	1	set	Tyler Testing Sieves set with shaker. Tyler Sieves: 10 sets of Tyler sieves of different mesh number. Tyler Sieve Shaker: Measuring range*: 20um- 25 mm; Sieving motion: throwing motion with angular momentum; Amplitude: digital, 1-100% (0-3 mm); Suitable sieve diameters: 100 mm/ 200 mm/ 203 mm (8")
23	2	set	WESTPHAL BALANCE. The measuring instrument is a special balance for measuring the density of liquid; Agate knife holder is used to ensure the sensitivity and accuracy of the balance; Wooden packaging, so that more convenient to carry, the operation is simpler; The main components of stainless steel, high strength, good stability.

24	1	unit	<p>Gravimetric Analysis Determination LABORATORY FURNACE. 1100 °C, 1200 °C or 1300 °C maximum operating temperature 5, 13, 23, 36 or 65 litre chamber volumes Carbolite Gero 301 controller, with single ramp to set-point & process timer; Vertical lift door keeps heated surface away from the user; Soft closing door on 5, 13, 21 & 23 litre models ; Delayed start/ process timer function as standard ; Hard wearing alumina element carrier, furnace entrance and hearth; Energy efficient low thermal mass insulation; Free radiating wire wound elements for optimum uniformity; Easy access to elements & controls simplifies maintenances & servicing; CWF-B: Enhanced airflow from tall chimney & door vents for full combustion; CWF-BAL: with integrated balance that runs independently of the furnace control system; CWF - BAL: Software supplied with the balance may be used to monitor the balance reading via a computer; CWF- BAL: Maximum capacity of balance is 3kg with a resolution of 0.01 g (other capacities available</p>	
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Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

Technical Documents

- (e) 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**
- (f) 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**
- (g) 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**
- (h) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (i) 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

- (j) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- (k) 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

- (l) 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

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

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

- (o) *[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.
- (p) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

Bidding Forms

APPENDIX “1”

Bid Form for the Procurement of Goods
[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

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

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner:

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

Name and address of agent	Amount and Purpose of Commission or gratuity
---------------------------	--

_____	_____
_____	_____
_____	_____

(if none, state “None”)]

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

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Annex C

NFCC COMPUTATION FOR ELIGIBILITY CHECK

A. *Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.*

		Year 20_____
1.	<i>Total Assets</i>	
2.	<i>Current Assets</i>	
3.	<i>Total Liabilities</i>	
4.	<i>Current Liabilities</i>	
5.	<i>Net Worth (1-3)</i>	
6.	<i>Net Working Capital (2-4)</i>	

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

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

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

The Bidder shall attach the AFS to the NFCC Computation for Eligibility Check Form.

NFCC=P_____

Submitted by:

Name of Supplier/Distributor/Manufacturer Signature of Authorized Representative

Date: __

Statement of Single Largest Completed Contract (SLCC) Similar to the Contract to be Bid

Name of Contract: Name of the Bidder: Address of the Bidder: Contact No.

Item No.	Name of the Completed Contract	Date of the Contract	Contract Duration	Owner's Name & Address (Telephone No., if available)	Kinds of Goods	Amount of Completed Contract	Date of Delivery	End User's Acceptance or Official Receipt(s) or Sales Invoice shall be attached to the statement

Submitted by:

Printed Name and Signature

MANPOWER REQUIREMENTS

(List of manpower who will be involved in the project)

Production/Delivery Schedule

(State the delivery period in calendar days)

After-sales/parts

(Certification of after-sales/service and parts)

