

PHILIPPINE BIDDING DOCUMENTS

Procurement of GOODS

Government of the Republic of the Philippines

- 1. One (1) Lot Universal Testing Machine, 50 kN (Sol. No. 2409/0861)**
- 2. One (1) Lot Biosafety Cabinet (Sol. No. 2409/0854)**
- 3. One (1) Lot Medical Braiding Machine (Sol. No. 2409/0865)**
- 4. One (1) Lot Automated Electrospinning Machine (Sol. No. 2409/0867)**
- 5. One (1) Lot LCA Analysis Software (Sol. No. 2410-0966)**

**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

- The **Philippine Textile Research Institute (PTRI)**, through the GAA and GIA Projects intends to apply the sum of **Sixteen Million Seven Hundred Sixty Thousand Nine Hundred Sixty-one Pesos and Eighty Centavos (PHP 16,760,961.80)** being the total ABC to payments under the contract of the following procurement:

| Item | Particulars | Solicitation Number | Fund Source | ABC |
|------|---|---------------------|--|------------------|
| 1 | One (1) Lot Universal Testing Machine, 50 kN | 2409/0861 | DOST-GIA Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED) | PHP 6,260,961.80 |
| 2 | One (1) Lot Biosafety Cabinet | 2409/0854 | DOST-GIA: BioMedTex 1 "Biocompatible Electrospun Nanofiber-Based Scaffolds for Drug Delivery and Wound Healing (BioNanoScaffolds)" | PHP 1,500,000.00 |
| 3 | One (1) Lot Medical Braiding Machine | 2409/0865 | DOST-GIA: BioMedTex 2 "Biofunctional and Sustainable Silk-Based Sutures (BioSilktures)" | PHP 3,500,000.00 |
| 4 | One (1) Lot Automated Electrospinning Machine | 2409/0867 | DOST-GIA: BioMedTex 1 "Biocompatible Electrospun Nanofiber-Based Scaffolds for Drug Delivery and Wound Healing (BioNanoScaffolds)" | PHP 4,000,000.00 |
| 5 | One (1) Lot LCA Analysis Software | 2410/0966 | DOST-GIA "Assessing the Environmental Footprint of the Bamboo Textile Production: A Life Cycle Analysis (LCA) of the Bamboo Textile Fiber (BTF) Innovation Hubs" | PHP 1,500,000.00 |

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

2. The PTRI now invites bids for the above Procurement Project. Delivery of the Goods is required by **90 Calendar Days for Item nos. 1,2,4 and 5** and **120 Calendar Days for Item no. 3 both upon receipt of the approved NTP**. Bidders should have completed, within **five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - a. 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 PTRI and inspect the Bidding Documents at the address given below during **8:00 a.m. to 5:00 p.m.**
5. A complete set of Bidding Documents may be acquired by interested Bidders on 19 November 2024 to 10 December 2024 from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Php 1,102.50 for Item no. 1, Php 1,500.00 for Item no. 2, Php 2,350.00 for Item no. 3, Php 2,255.00 for Item no. 4, and Php 1,785.60 for Item no. 5** The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.
6. The PTRI will hold a Pre-Bid Conference on **27 November 2024, (Wednesday) at 09:00 a.m. for Item no. 1; 10:00 a.m. for Item no. 2; 11:00 a.m. for Item no. 3; 1:00 p.m. for Item no. 4; and 2:00 p.m. for Item no. 5**, through video conferencing or webcasting via Zoom, which shall be open to prospective bidders as least one (1) hour before the conduct of Pre-Bid Conference.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **16 December 2024, (Monday) from 8:00 a.m. to 9:00 a.m. for Item no. 1; 9:00 a.m. to 10:00 a.m. for Item no. 2; 10:00 a.m. to 11:00 a.m. for Item no. 3; 12:00 n.n to 1:00 p.m. for Item no. 4; and 1:00 p.m. to 2:00 p.m. for Item no. 5**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on **16 December 2024 (Monday) at 09:00 a.m. for Item no. 1; 10:00 a.m. for Item no. 2; 11:00 a.m. for Item no. 3; 1:00 p.m. for Item no. 4; and 2:00 p.m. for Item no. 5** at the PTRI Training Room, 3rd Floor PTRI Main Building, Gen. Santos Ave., Bicutan, Taguig City. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The bidders shall submit two (2) sets of documents. Original and copy 1, duly sealed, labeled and countersigned. Each set contains two (2) envelopes, one (1) technical, and one (1) Financial Proposal. The two (2) sets i.e. Original and copy 1, must be

contained in an outer envelope/packaging duly sealed, labeled and countersigned. All pages **must be signed** by the duly authorized staff/personnel. The labels must contain the accurate PhilGEPS reference number.

11. The PTRI 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. MARILOU G. AGUSTIN / Mr. CARLO M. BAHIL

BAC Secretariat

Philippine Textile Research Institute

General Santos Avenue, Bicutan, Taguig City

bacsecretariat@ptri.dost.gov.ph

Tel No. (02) 8837-2072 (loc. 2373) or

Tex./Fax No. (02) 8837-074

13. You may visit the following websites:

For downloading of Bidding Documents: <https://www.ptri.dost.gov.ph/>

19 November 2024

EVANGELINE FLOR P. MANALANG
BAC Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, **Philippine Textile Research Institute** wishes to receive Bids for the following project with identification numbers listed below:

| Item | Particulars | Solicitation Number | Fund Source | ABC |
|------|---|---------------------|--|---------------------|
| 1 | One (1) Lot Universal Testing Machine, 50 kN | 2409/0861 | DOST-GIA Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED) | PHP 6,260,961.80 |
| 2 | One (1) Lot Biosafety Cabinet | 2409/0854 | DOST-GIA: BioMedTex 1 “Biocompatible Electrospun Nanofiber-Based Scaffolds for Drug Delivery and Wound Healing (BioNanoScaffolds)” | PHP 1,500,000.00 |
| 3 | One (1) Lot Medical Braiding Machine | 2409/0865 | DOST-GIA: BioMedTex 2 “Biofunctional and Sustainable Silk-Based Sutures (BioSilktures)” | PHP 3,500,000.00 |
| 4 | One (1) Lot Automated Electrospinning Machine | 2409/0867 | DOST-GIA: BioMedTex 1 “Biocompatible Electrospun Nanofiber-Based Scaffolds for Drug Delivery and Wound Healing (BioNanoScaffolds)” | PHP 4,000,000.00 |
| 5 | One (1) Lot LCA Analysis Software | 2410/0966 | DOST-GIA “Assessing the Environmental Footprint of the Bamboo Textile Production: A Life Cycle Analysis (LCA) of the Bamboo Textile Fiber (BTF) Innovation Hubs” | PHP 1,500,000.00 |

The Procurement Project (referred to herein as “Project”) is composed of **1 Lot**, 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 **CY 2024** in the total amount of:
 - a. **Sixteen Million Seven Hundred Sixty Thousand Nine Hundred Sixty-one Pesos and Eight Centavos (PHP 16,760,961.8)**
- 2.2. The source of funding is:
 - a. NGA, the General Appropriations Act or Special Appropriations.

DOST-GIA Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED); DOST-GIA: BioMedTex 1 “Biocompatible Electrospun Nanofiber-Based Scaffolds for Drug Delivery and Wound Healing (BioNanoScaffolds)”; DOST-GIA: BioMedTex 2 “Biofunctional and Sustainable Silk-Based Sutures (BioSilktures)”; DOST-GIA “Assessing the Environmental Footprint of the Bamboo Textile Production: A Life Cycle Analysis (LCA) of the Bamboo Textile Fiber (BTF) Innovation Hubs”

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 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 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 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 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 **5 years** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

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

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 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 until **120 days after 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.

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 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. 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.

- 19.3. The Project shall be awarded as follows:

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

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet

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

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

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

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

| ITB Clause | |
|------------|---|
| 5.3 | <p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> a. Supplied Universal Testing Machine used for Textile Testing for Item no. 1; b. Supplied Laboratory Equipment for Item nos. 2 to 4; c. Supplied Life Cycle Analysis Software and ICT products; and d. completed within 5 years prior to the deadline for the submission and receipt of bids. |
| 7.1 | Subcontracting is NOT allowed. |
| 12 | The price of the Goods shall be quoted DDP as stated on the technical specifications or the applicable International Commercial Terms (INCOTERMS) for this Project. |
| 14.1 | <p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a. The amount of not less than 2% of the ABC of each item, 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 5% of the ABC of each item if bid security is in Surety Bond. |
| 19.3 | In case the project will be awarded by item, list each item indicating its quantity and ABC. |
| 20.2 | No additional Licenses needed. |
| 21.2 | No additional instructions. |

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 <i>[indicate place of destination]</i>. 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 <i>[indicate place of destination]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>[indicate name(s)]</i>.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <p><i>Select appropriate requirements and delete the rest.</i></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.
- f. *[Specify additional incidental service requirements, as needed.]*

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:

Select appropriate requirements and delete the rest.

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 10 years.

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

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| | <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> |

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| | <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> |
| | <p>Regular and Recurring Services –</p> <p><i>[In case of contracts for regular and recurring services, state:]</i> “The contract for regular and recurring services shall be subject to a renewal whereby the performance evaluation of the service provider shall be conducted in accordance with Section VII. Technical specifications.”</p> |
| 2.2 | <p>Partial Payment is not allowed. 100% payment will be disbursed upon completion of all deliverables stipulated in the contract.</p> |
| 4 | <p>The inspections and tests that will be conducted are: Installation, Testing and Commissioning.</p> |

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 | One (1) Lot Universal Testing Machine, 50 kN | One (1) Lot | PHP 6,260,961.80 | 90 calendar days upon acceptance of approved PO/NTP inclusive of delivery, installation, testing and commissioning. |
| 2 | One (1) Lot Biosafety Cabinet | One (1) Lot | PHP 1,500,000.00 | 90 calendar days upon acceptance of approved PO/NTP inclusive of delivery, installation, testing and commissioning. |
| 3 | One (1) Lot Medical Braiding Machine | One (1) Lot | PHP 3,500,000.00 | 120 calendar days upon acceptance of approved PO/NTP inclusive of delivery, installation, testing and commissioning. |
| 4 | One (1) Lot Automated Electrospinning Machine | One (1) Lot | PHP 4,000,000.00 | 90 calendar days upon acceptance of approved PO/NTP inclusive of delivery, installation, testing and commissioning. |
| 5 | One (1) Lot LCA Analysis Software | One (1) Lot | PHP 1,500,000.00 | 90 calendar days upon acceptance of approved PO/NTP inclusive of delivery, installation, testing and commissioning. |

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

| Item | Specification | Statement of Compliance | Actual Specific Offer |
|------|--|--|---|
| 1 | <p>Universal Testing Machine, 50 kN For Wide Width Geotextile Tensile Test Complies with ISO 10319 & ASTM D4595</p> <p><u>I. Universal Testing Machine (UTM) Load Frames</u> Nominal force: 50 kN Floor Mounted Dual column (as shown in the picture of the equipment from the brochure) Test Area at least (W x H), 440mm x 1285mm Applicable to specimen thickness up to 170mm Test speed: 0.0005 mm/min to 600 mm/min to nominal force Speed accuracy: ±0.05% of set speed Very high return speed: 800 mm/min Drive travel resolution: at least 0.01 microns Position repeatability: ± 2 microns or better Measured value recording rate: 400 kHz minimum Measure value transmission rate to PC: 500 Hz minimum Automatic zero correction at the start of test Eco mode automatic switch off power (adjustable time) Maintenance-free AC drive motor Interface to PC via ethernet At least 3.2" graphic display showing measurement channels, machine and test status and keyboard allocations Power Supply: AC 220-240V, 60 Hz, single phase (if not the same, supplier should provide converter)</p> <p><u>II. Desktop PC (1 set) with Software</u> Minimum specifications of Desktop PC: Branded (indicate specific brand and model) Processor: Core i7-12700 or better</p> | <p style="text-align: center;">**IMPORTANT REMINDER**</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>A statement either in the Bidder’s statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract</p> | <p style="text-align: center;">OFFERS IN RANGE WILL AUTOMATICALLY BE CONSIDERED NON-COMPLYING DURING EVALUATION OF TECHNICAL SPECIFICATIONS.</p> |

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| <p>Memory: 32GB RAM DDR4 or better 1 TB HDD + 512GB SSD or better GPU: 4GB DDR5 or better at least 23.8" FHD 1920 x 1080 LED Display 802.11AC WiFi Keyboard with wireless mouse Webcam, microphone and speaker Windows 11 Professional, Bundled with MS Office latest version and 12-month security software subscription Warranty: 1-year carry-in Local Limited Warranty (parts & labor) UPS with AVR, at least 650 VA Ink Tank Printer (minimum specifications) Resolution: 5760 x 1440 dpi 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow) Print speed: Simplex: Up to 10 ipm / 5.0 ipm Interface: USB 2.0, Network: Wi- Fi IEEE 802.11b/g/n, Wi-Fi Direct</p> <p>Minimum specifications of software: English and latest version (specify actual software name and version) Standard test complying with ISO 10319 and ASTM D 4595 Test programs for determining maximum force and extension Tolerance monitoring of all results Complete statistical evaluation of the test results and tolerance monitoring Force and strain control Graphical representation with function to identify relevant results (e.g., Fmax, strain, Fbreak, etc.) obtained in the graph Prevention of unauthorized access: user management or password protection Protection against manipulation of results: traceability records, electronic signatures Intelligent wizard to guide operator in configuring the method (shows which test parameters must still be configured and checks for entries plausibility) Test environment concept to define reproducible test</p> | <p>may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</p> | |
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| | <p>conditions and offer maximum safety</p> <p>Real-time correction of the machine deformation (correction curve)</p> <p><u>III. Load Cell and Grips</u></p> <p>1. Load cell, 50 kN capacity Measuring range: 100 N- 50 kN Accuracy: $\pm 0.5\%$ of reading or better Includes: calibration certificate Highly insensitive to traverse forces, bending moments and torque Overload protection up to 150% of nominal capacity without damage (worst case up to 300% nominal capacity)</p> <p>2. Grips, Fmax 50 kN 300 kN gripping force at 450 bar With telescopic guide rail for simple insert and centring of the specimen</p> <p>Other accessories: Jaw Inserts, Steel smooth (Height x width = 105 mm x 240 mm) Stand Alone hydraulic power pack (Gripping pressure 30 to 460 bar) Work desk (For preparing textile specimen, With markings for 190 mm / 210 mm)</p> <p><u>IV. Requirements for Items I and III</u></p> <ol style="list-style-type: none"> 1. Original equipment brochure (picture should match the description) 2. Operation and/or Service Manuals in English 3. Calibration Certificate for on-site calibration 4. Installation (both hardware and software), testing, and commissioning and on-site training on operation, maintenance, and troubleshooting (with training certificates). Installation includes, but is not limited to, provision of power cable to power source 5. Hauling and delivery from port to work site including, but not limited to, unloading and lifting | | |
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| | <p>6. At least one-year warranty on parts and services from dates of installation and acceptance</p> <p>7. On-call after-sales service by trained technician (attach training certificate) for at least two years free of charge</p> <p>8. Equipment operational controls must be in english (as shown in the picture of the equipment from the brochure)</p> <p>9. Manufacturer must have international quality certifications such as ISO 9001 (as shown in manufacturer's website) and CE Conformity according to Machinery Directive 2006/42/EC</p> <p>10. Link to the manufacturer's website with downloadable equipment brochure and manufacturer's profile including quality certifications</p> <p>11. A USB flash drive containing the video file showing the equipment to be offered including the specific brand and model must be submitted as part of the bid documents. The video must contain product features, operational demo, or other related clips that will attest to the existence of the product being offered by the manufacturer.</p> <p>12. Inclusive of duties, taxes, and delivery fees</p> <p>Delivery period: 90 calendar days upon receipt of PO/NTP</p> | | |
| 2 | <p>One (1) Lot Biosafety Cabinet</p> <p>- Animal Biosafety Cabinet IIA2 and CO2 Incubator</p> <p>A. General Construction</p> <p>- External Dimensions (Width x Depth x Height) without SLC Support Stand: 990.6 x 635 x 1778-1905 mm (39" x 25" x 70"-75")</p> <p>- Sash Tested Opening: 305 mm (12") or equivalent or better</p> <p>- Sash Maximum Opening: 580 mm (22.8") or equivalent or better</p> <p>- Material Main Body: Electro-galvanized steel with white oven-baked epoxy-polyester Isocide™</p> | | |

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| <p>antimicrobial powder-coated finish, 1.5 mm (0.06")/16 gauge thick</p> <ul style="list-style-type: none"> - Material Work Zone: Stainless steel Type 304 with No.4 finish, 1.5 mm (0.06")/16 gauge thick <p>B. Blower and Filtration</p> <ul style="list-style-type: none"> - Motor: Direct Current Electronically Commutated Motor (DC ECM) - Heat and Energy: Low heat and low energy consumption - Auto-compensating Feature: adjusts blower speed to maintain the optimum airflow in case of filter loading - Ultra-low Particulate Air (ULPA) / H14 filter with 99.999% efficiency at 0.3-0.1 μm - Average Inflow Velocity: 0.53 m/s (105 fpm) - Average Downflow Velocity: 0.30 m/s (60 fpm) - Air Quality: ISO 14644-1 Class 3- w/ submission of certification as proof <p>C. Control Panel and Electrical</p> <ul style="list-style-type: none"> - UV Timer: Audible and Visual Alarms - Electrical Rating: 220 VAC, 60 Hz, 1 Φ - Lighting/Fluorescent Lamp Intensity: > 1000 lux (> 93 ft-cd) <p>D. Safety Feature</p> <ul style="list-style-type: none"> - Airflow and Sash Alarms - UV-absorbing tempered glass with UV safety interlock - ELISA-proven containment that ensures user safety by providing >99% allergen containment <p>E. Accessories</p> <ul style="list-style-type: none"> - SLC support stand with casters (445-953 mm), STA support stand, | | |
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| <p>UV lamp, Service fixtures (Gas, water etc.), IV Bars, Exhaust accessories, Footrest, Lab Chair, PVC arm rest, Pre-filter, Seismic bracket</p> <p>F. CO2 Incubator</p> <p>1. Temperature</p> <ul style="list-style-type: none"> - Working Temperature Range: 5 °C above ambient temperature, up to +50 °C - Standard Sterilization Programme: 60 minutes at 180°C (without removing the sensors) - Setting Temperature Range: +18 to +50 °C - Setting accuracy temperature: 0.1 °C or equivalent or better - Temperature Sensor: 2 Pt 100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error - Temperature variation in chamber at +37 °C +/- 0.3 K - Temperature fluctuations with time at 37 °C +/-0.1 K <p>2. Humidity</p> <ul style="list-style-type: none"> - Humidity Control: Peltier element; limits the value of relative humidity in the interior to 93 % rh +/- 2.5 % - Setting Accuracy Humidity: 0.5 % rh or equivalent or better <p>3. Standards</p> <ul style="list-style-type: none"> - Adjustment range CO2: 0 to 20% CO2 - Setting accuracy CO2: 0.1% - Variation in time CO2: +/-0.2 % CO2 - Adjustment range O2: 1 to 20% O2 - Setting accuracy O2: 0.1% O2 <p>4. Equipment Exterior</p> | | |
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| <ul style="list-style-type: none"> - Door: fully insulated stainless steel door with 2-point locking (compression door lock) - Internals: 1 perforated stainless steel shelf/shelves - Works Calibration Certificate: inclusive of works calibration certificate (measuring point chamber centre) at +37°C, 5 % CO2 for standard units - Internals: 1 stainless steel water dish - Inner Glass Door: with opening to take gas, 8mm or equivalent or better <p>5. Equipment Interior</p> <ul style="list-style-type: none"> - Dimensions = w(A) x h(B) x d(C): 400 x 425 x 330 mm (d less 35 mm for fan) - Interior Material: 1.4301 (ASTM 304), corrosion-resistant - Volume: 56 L or equivalent - Maximum Number of Internals: 5 - Maximum Loading of Chamber: 75 kg or equivalent / 165.034 lbs - Maximum Loading per Internal: 15 kg or equivalent / 6. 80 lbs <p>6. Electrical Load</p> <ul style="list-style-type: none"> - Voltage: 220 V, 60 Hz, Approx. 1100 W, 3-phase or single phase <p>G. Delivery Terms</p> <ul style="list-style-type: none"> - Delivery Period: 90 calendar days upon receipt of PO/NTP - Inclusive of installation and commissioning & training with provision of training certificates - Inclusive of VAT and other applicable taxes - Inclusive of delivery to UP MANILA College of Medicine - Department of Biochemistry and Molecular Biology, | | |
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| | Salcedo Hall, Pedro Gil St., Ermita, Manila City, Metro Manila | | |
| 3 | <p>One (1) Lot Medical Braiding Machine</p> <p>A. Minimum Technical Specifications</p> <ul style="list-style-type: none"> - Equipment Operation Software: Control of parameters - Number of Heads: one (1) or more - Number of Carriers: eight (8) or more - Carrier Type: S1 or better - Bobbin Size: Φ40mm*36mm or better - Tension: 0.3-3N or better - Voltage: 220V. 60Hz, 2KW- Single Phase - Motor Power: 0.85 kW servo motor or better - Table Speed: Max 1200 rpm or better - Traction Motor: 400w servo motor or better - Traction Reel Diameter: 260mm or better - Horn gear Diameter: Φ110mm or better - Horn gear Speed: 260rpm or better - Output: 520 picks/ min or better - Core Diameter: $<\Phi$3mm or better - Braiding Materials: SILK/Nylon/PET/PGA/PGLA/UHMWPE etc. or better - Braiding Material Linear Density: \geq20D or better - Braiding PPI: 10-300PPI or better - Braiding Pitch Adjustment: PLC adjustment or better | | |

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| <ul style="list-style-type: none"> - Reel Size: Φ200-300mm or better - Pay-Off: Open loop magnetic powder tension sensitive or better - Pay-Off Tension: 5-20N or better - Take-Up: 0.75 kw Servo motor or better - Control Panel: 7-inch color touch screen or better - Controller: SW Series high performance PLC controller or better - Segmented Programming: 10 segments or more - Internet of Things (IoT) Interface: Yes <p>2. Minimum Accessories and Additional Components</p> <p>a. Winding Machine (Respooler)</p> <ul style="list-style-type: none"> - Number of Head: one (1) or more - Winding Material: chemical fiber, ss wire, Niti wire, etc. or more - Broken wire detection: yes - Voltage/Power: 220V, 60Hz, 1.2kW or better - Bobbin Diameter: 20-60mm or better - Speed: \leq 1500rpm or better - Control panel: 7 inch color touch screen or better - Windup motor: 400W Servo Motor or better - Controller: PLC or better - Traverse: 400W Servo motor - Meter counter: yes or better - Payoff motor: 400W Servo motor or better - Tension range: 5-100g or better | | |
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| <ul style="list-style-type: none"> - Traverse range: 20mm-100mm or better - Spool size: 3 inch or better <p>b. 2 Computer System, Portable</p> <ul style="list-style-type: none"> - Processor: Intel i7 or equivalent or better - Graphics : RTX 3060 6GB GDDR6 or equivalent or better - Memory : 32 GB RAM or equivalent or better - Storage : 1TB SSD or equivalent or better - Primary Display : at least 14 inches or bigger - Secondary Display : 24 inch Monitor 60 Hz with 220 V power adapter or better - HDMI 2.0 cord at least 1.5 meters length - 1TB portable SSD, Write speed 1000 MB/s, interface: USB-C - Operating System: Windows 10Pro or equivalent or better - OriginPro License: Perpetual Academic Concurrent Network (Floating) - Software License: Microsoft Office Home & Business 2019 or equivalent or better - Antivirus Software: 2-year subscription of McAfee Basic with VPN or equivalent or better - With wireless headset and microphone - With wireless mouse <p>C. Requirements for Items A to B</p> <ol style="list-style-type: none"> 1. Original equipment brochure (picture should match the description) | | |
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| <p>2. Operation and/or Service Manuals in English</p> <p>3. Calibration Certificate for on-site calibration</p> <p>4. Installation (both hardware and software), testing, and commissioning and on-site training on operation, maintenance, and troubleshooting (with training certificates). Installation includes, but is not limited to, provision of power cable to power source.</p> <p>5. Advanced training for at least 2 PTRI testing staff at the manufacturer's training site (with provisions for accommodations and airfare, if not local)</p> <p>6. Hauling and delivery from port to work site in DOST-PTRI including, but not limited to, unloading and lifting</p> <p>7. At least one-year warranty on parts and services from dates of installation and acceptance</p> <p>8. On-call after-sales service by trained technician (attach training certificate) for at least two years free of charge</p> <p>9. Preventive maintenance service for both hardware and software for 1 year free of charge</p> <p>10. Equipment operational controls must be in english (as shown in the picture of the equipment from the brochure)</p> <p>11. Equipment must be part of the regular fleet of the manufacturer and must have already been sold by the manufacturer within the past 2 years with no modifications except for the power supply.</p> <p>12. Actual equipment inspection and testing or presentation of equipment operation video prior to awarding of the contract.</p> <p>13. A USB flash drive containing the video file showing the equipment to be offered including the specific brand and model must be submitted</p> | | |
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| | <p>as part of the bid documents. The video must contain product features, operational demo, or other related clips that will attest to the existence of the product being offered by the manufacturer.</p> <p>D. Delivery Terms</p> <ul style="list-style-type: none"> - Delivery Period: 120 calendar days upon receipt of PO/NTP - Inclusive of installation and commissioning & training with provision of training certificates - Inclusive of VAT and other applicable taxes - Inclusive of delivery to DOST-PTRI, General Santos Avenue, Bicutan, Taguig City | | |
| 4 | <p>One (1) Lot Automated Electrospinning Machine</p> <p>A. Dual High Voltage Power Supply</p> <ul style="list-style-type: none"> - Output voltage 1 DC : 0 ~ positive 30kV, current $\leq 1\text{mA}$ - Output voltage 2 DC : 0 ~ negative 30kV, current $\leq 1\text{mA}$ <p>B. Liquid Supply Pump System</p> <ul style="list-style-type: none"> - Two or more built-in syringe pumps, which are one-push three (three-channel) syringe pumps, which can be independently controlled - Automatic liquid supply speed range: 0.01 ~ 600mL/h - Manual liquid supply speed range: 0.1 ~ 100mL/min - Applicable syringe specifications: 1, 3, 5, 10, 20mL <p>C. Electrospinning Nozzles</p> <ul style="list-style-type: none"> - Equipped with 2 × 8 needle array spinneret (single flow channel) or equivalent | | |

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| <p>- Equipped with 2 × 4 needle array spinneret (dual flow channel) or equivalent</p> <p>- Equipped with microsphere needle, side-by-side nozzle and two-layer coaxial nozzle, or equivalent in which nanofibers/particles with different structures can be prepared</p> <p>D. Collector</p> <p>"- Roller collector: effective width 400mm, diameter ø160mm; roller speed: 100 ~ 2000r/min adjustable"</p> <p>- Flat collector: L-shaped 400x250mm, preparation of two nanofiber membranes simultaneously to improve spinning efficiency.</p> <p>"- Parallel electrode collector: adjustable spacing from 0 ~ 100mm, preparation of aligned fibers"</p> <p>- Cage collector: outer diameter 80mm, tube diameter 8mm, preparation of aligned fibers</p> <p>- Tube collector: one tube for each size : $\phi 2 \sim \phi 8$mm, preparation of tubular scaffold</p> <p>E. X-Y-Z Three-axis Motion System</p> <p>- Adjustable at an angle for the conjugate spinning module</p> <p>- X-axis manual displacement spinning stroke range: 50 ~ 300mm</p> <p>- Y-axis automatic motion platform: reciprocating stroke 400mm; positioning accuracy ≤ 0.03mm</p> <p>- Z-axis manual lifting: 0 ~ 100mm adjustable</p> <p>- Equipped with a two-layer coaxial nozzle or equivalent to prepare hollow, coaxial, core-shell, and other nanofibers</p> <p>F. Environmental Control System</p> | | |
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| <ul style="list-style-type: none"> - Temperature controllable: room temperature ~ 60°C adjustable, accuracy ±1°C - Humidity controllable: 30% ~ room humidity adjustable, accuracy ±3%RH, control time ≤15min - Exhaust: The exhaust time can be set to be timed <p>G. Touch Screen CNC System</p> <ul style="list-style-type: none"> - Touch screen control function: integrated control (nozzle movement device, liquid supply system, temperature, and humidity system, exhaust gas function, timing function, UV lamp) and monitoring the running state of each function - Control parameter settings (manual speed settings, automatic movement speed settings, height adjustment settings, return to zero, custom track settings, and related control buttons) - Real-time parameter monitoring - Parameter record <p>H. Computer System, Portable</p> <ul style="list-style-type: none"> "- Processor : Intel® Core i7 or equivalent or better " - Graphics : NVIDIA 4060 or equivalent or higher - Memory : 32 GB LPPDRX RAM or higher - Storage : 1TB SSD or better - Display : 14.5 inch, 2.5K or higher - Operating System: Windows 11 or better - Slim type factor - Accessories: Chargeable Wireless Headset with Mic and Wireless Mouse -Slim type factor laptop | | |
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| <p>-Included atleast (1) one year warranty with manufacturer</p> <p>I. Computer System, All in One Desktop - 2 Units</p> <ul style="list-style-type: none"> - Processor: Intel i7 13th gen or equivalent or better - Graphics: Intel UHD 770 or equivalent or better - Memory: 16GB RAM or equivalent or better - Storage: 512GB SSD or equivalent or better - Monitor Width: 23.8" or equivalent or Higher - Operating System: Windows 11 or equivalent or better - Software: Office Home & Business 2021 or equivalent or better - Accessories: Wireless Headset with Mic and Wireless Mouse and Web cam <p>-UPS: Output Voltage: 220VAC Capacity VA/Wattage: 650VA/350Watts or equivalent or better</p> <p>-Included atleast (1) one year warranty with manufacturer</p> <p>J. Security System</p> <ul style="list-style-type: none"> - Discharge short circuit protection - Running indicator light - Safety signs, and automatic alarms for unsafe operation - Leakage protection - Organic waste gas emission: avoid electric shock, fire, explosion, and other accidents caused by charge accumulation, and avoid leakage of organic waste gas to not affect health - Be able to access inert gas and its control functions | | |
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| <ul style="list-style-type: none"> - Factory remote access to device functions worry-free after-sales, users can choose to turn it on or off - Users can choose whether to use the function of opening the door and breaking the high voltage - Machine Rated Power: 4KW - Rated Voltage: 220VAC 60Hz Single Phase - Machine Dimensions and Weight - Overall size: 1100mmL x 1000mmW x 1350mmH - Net weight: Approx. 260kg <p>K. Nano-Yarn Spinning Device</p> <ul style="list-style-type: none"> - Collection winding device:0.05-300r/min - Winding speed : 0.05-300r/min <p>-Included atleast (1) one year warranty with manufacturer</p> <p>L- Requirements for A-K</p> <ol style="list-style-type: none"> 1. Original equipment brochure (picture should match the description) 2. Operation and/or Service Manuals in English 3. Calibration Certificate for on-site calibration 4. Installation (both hardware and software), testing, and commissioning and on-site training on operation, maintenance, and troubleshooting (with training certificates). Installation includes, but is not limited to, provision of power cable to power source. 5. Advanced training for at least 2 PTRI testing staff at the manufacturer's training site (with provisions for accommodations and airfare, if not local) 6. Hauling and delivery from port to work site in DOST-PTRI including, | | |
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| <p>but not limited to, unloading and lifting</p> <p>7. At least one-year warranty on parts and services from dates of installation and acceptance</p> <p>8. On-call after-sales service by trained technician (attach training certificate) for at least two years free of charge</p> <p>9. Preventive maintenance service for both hardware and software for 1 year free of charge</p> <p>10. Equipment operational controls must be in english (as shown in the picture of the equipment from the brochure)</p> <p>11. Equipment must be part of the regular fleet of the manufacturer and must have already been sold by the manufacturer within the past 2 years with no modifications except for the power supply.</p> <p>12. Actual equipment inspection and testing or presentation of equipment operation video prior to awarding of the contract.</p> <p>13. A USB flash drive containing the video file showing the equipment to be offered including the specific brand and model must be submitted as part of the bid documents. The video must contain product features, operational demo, or other related clips that will attest to the existence of the product being offered by the manufacturer.</p> <p>M. Delivery Terms</p> <ul style="list-style-type: none"> - Delivery Period: 90 calendar days upon receipt of PO/NTP - Inclusive of installation and commissioning & training with provision of training certificates - Inclusive of VAT and other applicable taxes - Inclusive of delivery to DOST-PTRI, General Santos Avenue, Bicutan, Taguig City | | |
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| 5 | <p>One (1) Lot LCA Analysis Software</p> <p>a. One (1) unit Life Cycle Assessment Software</p> <p>Featured Specifications:</p> <ul style="list-style-type: none"> - Advanced product life cycle modelling with product stages - Wide range of impact assessment methods - Inventory Input/output databases - Interactive results analysis on graphs and tables - Analysis of groups - Save inventory data as system processes <p>Technical Specifications:</p> <ul style="list-style-type: none"> - Library switch - Interactive network view - Import data (.csv and other compatible format) - Export data (.xls, .txt, .csv and other compatible format) - Import and export of Ecospold data - Export of ILCD data - Edit system descriptions - Interactive tree view - Parameter (scenario analysis) - Monte Carlo analysis - Export to matrix - Copy chart to Excel | | |
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| <p>b. One (1) unit Mobile Computing/Control Device with accessories</p> <p>Specifications:</p> <ul style="list-style-type: none"> - Processor: Core i7 11th Gen or equivalent or better - GPU: 4GB GDDR6 or equivalent or better - Storage: ≥ 512GB SSD or better - Memory: ≥ 16GB or equivalent or better - Screen size: ≥ 15 inches - Operating System: Windows 10 Home or latest version -Office productivity software 2021 or better -Inclusion of wireless and rechargeable mouse with USB-C to lightning cable, multi-touch, bluetooth-enabled <p>Inclusions:</p> <ol style="list-style-type: none"> 1. Contract License service of two (2) years or better 2. Inclusive of the latest ecoinvent database. 3. Delivery to DOST-PTRI, General Santos Ave. Bicutan, Taguig City, Metro Manila. 4. Installation, testing and commissioning and at least 8 hours of training on operations, maintenance, and troubleshooting with training certificates in English for at least 4 personnel. 5. Provision of product brochure and product line for commercially available items. 6. Proof that the manufacturer has manufactured/developed and has | | |
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| <p>been supplying said equipment/software (same system) in the last 2 years showing in a certification the list of previous clients with means to verify through contact numbers, email addresses, official website or other communication platforms.</p> <p>7. At least one (1) year warranty on parts and services after acceptance.</p> <p>8. On-call after sales service by trained technician for at least one (1) year.</p> <p>- VAT inclusive</p> <p>- Delivery period: 90 calendar days</p> <p>- Warranty period: ≥ 1 year</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 3 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.

