

PHILIPPINE BIDDING DOCUMENTS

Procurement of 1 Lot 3D Printed Anatomy Models and 3D Anatomy Software; 1 Lot Virtual Reality Clinic Laboratory and Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator; 1 Lot CPR Trainer; 1 Lot Physiology Teaching System; and 1 Lot Chest Drain & Needle Decompression Trainer with Bid No. 24-10-310

Government of the Republic of the Philippines

**Sixth Edition
July 2020**

Preface

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

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

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

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

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

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

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

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

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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



Republic of the Philippines
Cebu Normal University
Osmeña Blvd. Cebu City, 6000 Philippines



Office of the Bids and Awards Committee
Telephone No.: (+63 32) 254 1452 local 141 or 125
Email: cnubacsec@gmail.com
Website: www.cnu.edu.ph

INVITATION TO BID FOR
Procurement of 1 Lot 3D Printed Anatomy Models and 3D Anatomy Software; 1 Lot Virtual Reality Clinic Laboratory and Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator; 1 Lot CPR Trainer; 1 Lot Physiology Teaching System; and 1 Lot Chest Drain & Needle Decompression Trainer
with Bid No. 24-10-310

1. The *Cebu Normal University*, through the CHED SUC SEED FUND (MTF-LBP), intends to apply the sum of *Thirty-Five Million Pesos (Php35,000,000.00)* being the ABC to payments under the contract for *the Procurement of 1 Lot 3D Printed Anatomy Models and 3D Anatomy Software; 1 Lot Virtual Reality Clinic Laboratory and Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator; 1 Lot CPR Trainer; 1 Lot Physiology Teaching System; and 1 Lot Chest Drain & Needle Decompression Trainer with Bid No. 24-10-310.* Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Cebu Normal University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *Thirty (30) Calendar Days Upon Receipt of the 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 (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *Cebu Normal University* and inspect the Bidding Documents at the address given below during *8:00AM to 5:00PM.*

5. A complete set of Bidding Documents may be acquired by interested Bidders on **October 14, 2024 to November 4, 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 Twenty-Five Thousand Pesos (Php25,000.00)*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person, or through electronic means*.
6. The *Cebu Normal University* will hold a Pre-Bid Conference on **October 22, 2024, 1:30 P.M.** at **CNU BAC Office, 3rd Floor, TAC Building, Osmeña Boulevard, Cebu City** and/or through video conferencing or webcasting *via zoom platform* which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the **CNU BAC Office, 3rd Floor, TAC Building, Osmeña Boulevard, Cebu City** on or before **1:00 P.M. of November 4, 2024**. 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 **November 4, 2024 1:30 P.M.** at the **CNU BAC Office, 3rd Floor, TAC Building, Osmeña Boulevard, Cebu City**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Cebu Normal 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.
11. For further information, please refer to:

ATTY. STANLEY SAM P. TIBON
BAC Secretariat Office
Cebu Normal University
Osmeña Boulevard, Cebu City
6000 Philippines
cnubacsec@gmail.com
(+632) 254 1452 local 141

12. You may visit the following websites:

For downloading of Bidding Documents: www.philgeps.gov.ph
www.cnu.edu.ph

October 11, 2024


DR. ALLAN ROY B. ELNAR
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, *Cebu Normal University* wishes to receive Bids for the *1 Lot 3D Printed Anatomy Models and 3D Anatomy Software; 1 Lot Virtual Reality Clinic Laboratory and Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator; 1 Lot CPR Trainer; 1 Lot Physiology Teaching System; and 1 Lot Chest Drain & Needle Decompression Trainer*, with identification number **24-10-310**.

The Procurement Project (referred to herein as “Project”) is composed of **FIVE (5) LOTS**, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for *CHED SUC SEED FUND (MTF-LBP)* in the amount of *Thirty-Five Million Pesos only (Php35,000,000.00)*.

2.2. The source of funding is:

a. NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
 - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
 - iii. When the Goods sought to be procured are not available from local suppliers; or
 - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
 - 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 allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed twenty percent (20%) of the contracted Goods.
- 7.2. The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.3. The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.
- 7.4. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at *CNU BAC Office, 3rd Floor, TAC Building, Osmeña Boulevard, Cebu City* and/or 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)**. Bidders shall prepare/submit one (1) original and three (3) copies.

- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within *two (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)**. Bidders shall prepare/submit one (1) original and three (3) copies.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

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

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

13. Bid and Payment Currencies

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

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing 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 *March 3, 2025*. 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 (1) original copy and three (3) 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.

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.

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

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

19.4. The Project shall be awarded as follows:

- One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid.

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. <i>Supply/Delivery of 3D Printed Anatomy Models and 3D Anatomy Software, Virtual Reality Clinic Laboratory, Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator, CPR Trainer, Physiology Teaching System, and Chest Drain & Needle Decompression Trainer</i> b. completed within two (2) years prior to the deadline for the submission and receipt of bids.
7.1	<i>[Specify the portions of Goods to be subcontracted, which shall not be a significant or material component of the Project as determined by the Procuring Entity.]</i>
12	The price of the Goods shall be quoted DDP <i>[state place of destination]</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a. The amount of not less than <i>Seven Hundred Thousand Pesos (Php700,000.00)</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>One Million Seven Hundred Fifty Thousand Pesos (Php1,750,000.00)</i> if bid security is in Surety Bond.
19.3	<i>Procurement of 1 Lot 3D Printed Anatomy Models and 3D Anatomy Software, 1 lot Virtual Reality Clinic Laboratory and Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator, 1 lot CPR Trainer; 1 lot Physiology Teaching System, and 1 lot Chest Drain & Needle Decompression Trainer amounting to Thirty-Five Million Pesos (Php35,000,000.00)</i>
20.2	<i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i>
21.2	<i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i>

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. **Scope of Contract**

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

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

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

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

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. **Performance Security**

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

4. **Inspection and Tests**

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

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

GCC Clause	
1	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>“The delivery terms applicable to the Contract are DDP delivered to <i>Cebu Normal University – Main Campus located at Osmeña Blvd., Cebu City</i>. In accordance with INCOTERMS.”</p> <p>“The delivery terms applicable to this Contract are delivered to <i>Cebu Normal University – Main Campus located at Osmeña Blvd., Cebu City</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>Dr. Ma. Socorro G. Manaloto and Dr. Leopold Lucero</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> <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
	<ol 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.

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

Spare Parts –

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

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

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

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [*indicate here the time period specified. If not used indicate a time period of three times the warranty period*].

Spare parts or components shall be supplied as promptly as possible, but in any case, within [*insert appropriate time period*] months of placing the order.

Packaging –

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

	<p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers</p>

	<p>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>“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>
4	<p>The inspections and tests that will be conducted are: <i>[Indicate the applicable inspections and tests]</i></p>

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

TECHNICAL SPECIFICATIONS

ITEM NO.	Qty.	Unit	Item Description	STATEMENT OF COMPLIANCE
1	1	LOT	1 Lot 3D PRINTED ANATOMY MODELS AND 3D ANATOMY SOFTWARE	
1.1	1	Unit	<p style="text-align: center;">1 Lot 3D PRINTED ANATOMY MODELS</p> <p>Deep upper limb and hand This 3D print of a superficially dissected right upper limb specimen displays a mixture of the vascular, nervous, and muscular anatomy of the distal arm, forearm, and hand.</p>	
1.2	1	Unit	<p>Foot - Plantar surface & superficial dissection on the dorsum This 3D printed specimen is a left foot with superficial structures exposed on the dorsum, and the superficial layer of muscles and nerves on the plantar surface. The anterior portion of the plantar aponeurosis has largely been removed to expose the first layer of muscles</p>	
1.3	1	Unit	<p>Lower Limb - deep dissection This 3D printed specimen consists of a right partial lower limb sectioned just proximal to the knee joint and complete through a partially dissected foot exposing the structures on the dorsum.</p>	
1.4	1	Unit	<p>Popliteal Fossa distal thigh and proximal leg This 3D printed specimen preserves the distal thigh and proximal leg, dissected posteriorly to demonstrate the contents of the popliteal fossa and surrounding region.</p>	
1.5	1	Unit	<p>Knee Joint, flexed This 3D printed specimen demonstrates the ligaments of the knee joint with the leg in flexion. In the anterior view, with the patella and part of the patellar ligament removed, the medial and lateral menisci and anterior and posterior cruciate ligaments are visible.</p>	
1.6	1	Unit	<p>Female right pelvis superficial and deep structures This 3D printed female right pelvis preserves both superficial and deep structures of the true and false pelvis, as well as the inguinal ligament, the obturator membrane and canal, and both the greater and lesser sciatic foramina. Somewhat unique is the removal of portions of the</p>	

			peritoneum (a grayish color) to create ‘windows’ displaying extraperitoneal structures	
1.7	1	Unit	<p>Heart internal structures</p> <p>This 3D printed heart has been dissected to display the internal structures of the chambers. At the base of the heart the termination of the superior vena cava is preserved entering the right atrium. Part of the inferior vena cava is also preserved on the inferior aspect of the right atrium; however, most of the vessel lumen and much of the anterior wall has been removed to expose the pectinate muscles of the right auricle and the fossa ovalis (which is nearly translucent in the 3D print). The anterior wall of the right ventricle has also been removed to expose the right atrioventricular valve and its three cusps (anterior, posterior, and septal), including the chordae tendineae connecting them to respective papillary muscles projecting from trabeculae carneae (including a septomarginal trabecula entering the anterior papillary muscle from the interventricular septum).</p>	
1.8	1	Unit	<p>Circle of Willis</p> <p>This 3D printed specimen demonstrates the intracranial arteries that supply the brain relative to the inferior portions of the 1 Unit P 288,000.00 5 P a g e viscerocranium. This print was created by careful segmentation of angiographic data. The model shows the paired vertebral arteries entering the cranial cavity through the foramen magnum and uniting to form the basilar artery. The basilar can be seen dividing into their terminal posterior cerebral arteries. The superior cerebellar arteries arise just proximal to this termination.</p>	
1.9	1	Unit	<p>Median Section through head sagittal section of head with deep dissection</p> <p>This 3D model combines a midsagittal section of the head with preservation of brain and cranial cavity anatomy, with a unique deep dissection of the pharyngeal region via removal of basicranial bone and the anterior parts of the atlas and axis. As the opposing side is undissected it has been digitally eliminated from the model.</p>	

1.10	1	Unit	<p>Thorax with heart and vessels</p> <p>The superior thoracic aperture contains structures emerging from the thorax and entering the head and neck and upper limb. In this specimen, both clavicles, key venous structures and other musculature have been removed. Despite this, other important components of anatomy can be observed. Key structures include the Trachea seen most superiorly with a thick ring of cartilage, rib one has been exposed prior to meeting its costal cartilage, travelling in a lateral to medial direction and the anterior scalene muscle inserting into Rib one superiorly.</p>
1.11	1	Unit	<p>Human Heart</p>
1.12	1	Unit	<p>Hilum of the left lung</p>
1.13	1	Unit	<p>Hilum of the right lung</p> <p>The hilum of a lung is the point at which visceral and parietal pleura meet and functions with the pulmonary ligament as the lungs only connection with the rest of the body. This connection includes the Pulmonary Artery, Superior and Inferior Pulmonary Veins, Main Bronchi, Nerves and Lymphatics.</p>
1.14	1	Unit	<p>Abdomen with bilateral Hernias</p> <p>This 3D model represents one of the largest and most complex in the series, consisting of a partial torso from the diaphragm to the proximal thigh with a complete abdominal cavity preserving varying levels of dissection. This 3D model also records the rare, simultaneous occurrence of indirect and direct inguinal hernias allowing for consideration of the anatomical underpinnings for both conditions. Given the scale of the dissection this 3D model description is divided into discrete parts based on views and regions.</p>
1.15	1	Unit	<p>Vasculature of the spleen</p> <p>At the splenic hilum, the splenic artery and vein can be seen entering the spleen to supply and drain the organ. The opening of the splenic vein has been kept patent by the insertion of silicon tubing in the model. This model shows the most superior branch of the splenic vein has been sectioned from its normal passage into the spleen. The “tortuous” or twisted shape of the splenic artery can be appreciated as it branches at the hilum. This reflects the overall curled and twisted shape of the vessel across its course from the coeliac trunk to the spleen.</p>

1.16	1	Unit	<p>Stomach</p> <p>This 3D model is an isolated stomach with two dissection windows to expose the rugae and pylorus. A small portion of the terminal esophagus is preserved at the cardiac region, and a small portion of the proximal duodenum beyond the pyloric sphincter. The large window within the body of the stomach allows for a clear view into the fundus and the well-developed rugae on the posterior aspect of the wall of the organ. The smaller window, opened just at the pyloric region, allows for an appreciation of the thickening of the organ wall at the pyloric sphincter just proximal to the start of the duodenum.</p>
1.17	1	Unit	<p>Spleen and pancreas</p> <p>This 3D model preserve the deep foregut organs: the descending, horizontal and ascending duodenum, the pancreas, and the spleen.</p>
1.18	1	Unit	<p>Liver with vessels and gallbladder</p> <p>The size and shape of this specimen varies somewhat from a typical liver. It is less wedge-shaped and longer in the super inferior dimension (on the posterior view this would translate to a greater vertical height). Normally, a liver is less than 16cm in the midclavicular line.1 This specimen measures approximately 18cm in the midclavicular line, suggesting some degree of hepatomegaly. However, it is worth mentioning that some measurement distortion may have occurred based on the fixing and curation of the specimen – and it must be noted that the accuracy of estimating liver size using a single parameter is limited. Liver measurements diagnostic of hepatomegaly vary depending on normal anatomical variation in liver size and morphology, the method of measurement, and patient features such as sex and BMI.</p>
1.19	1	Unit	<p>Female hemipelvis and thigh</p> <p>This 3D model preserves a left pelvis divided at the midsagittal plane, and the proximal thigh to approximately the midthigh.</p>

			<p>*Warranty: One (1) year on parts and services</p> <ul style="list-style-type: none"> ■ Certificate of authorized distributorship of the bidder issued by the manufacturer. ■ Certificate from the manufacturer that the 3D Printed Products are an accurate representation of real human anatomy and are based on imaging scanning data of real human specimen provided by one of the top 20 university worlds ranking in anatomy, ranked by QS World University Ranking for Anatomy and Physiology via its website. ■ Certificate from the manufacturer that the 3D printed anatomy models are made of photopolymer resin. ■ Certificate of manufacturer's ISO certificate ■ There must be at least one demo unit from the list of 3D printed anatomy models as sample. 	
1.20	2	Set	<p style="text-align: center;">3D ANATOMY SOFTWARE</p> <p>3D Anatomy Software, including at least 14" i5 touchscreen laptop and at least 65" ViewSonic interactive digital whiteboard</p> <p>The 3D Anatomy Software is a collection of at least 300 advanced digital images of real Plastinated specimens of each human body region dissected in various quantities. High-precision reconstruction technology was employed in its development. It serves as a valuable and engaging teaching tool for human anatomy education, facilitating effective class lectures and discussions, serving as a learning resource, and supporting pop quizzes and pre-exam preparation.</p> <p>The 3D Anatomy Software can be used for anatomy lectures in the class, and can be used as a dissection guide for a big group of students in the anatomy laboratory.</p> <p>The 3D Anatomy Software is an offline based software allowing it to be used anytime.</p>	

			<p>During classroom lectures, the instructor controls the software from the laptop/from the Interactive Digital Board, while students listen and learn as the image is shared in a large or multiple TV screen/s or projector for larger image.</p> <p>Note: The 3D Anatomy Software should have no yearly subscriptions, and must include free lifetime software updates.</p>
			<p>LOT 1 TOTAL ABC: Php11,305,200.00</p>
2.0	1	LOT	<p>VIRTUAL REALITY CLINIC LABORATORY AND VIRTUAL REALITY AUGMENTED REALITY FOR MATERNAL-FETAL BIRTHING SIMULATOR</p>
2.1	2	Unit	<p style="background-color: #FFFF00; text-align: center;">Virtual Reality Clinic Laboratory</p> <p>This is an advanced, affordable, and revolutionary virtual reality medical training solution. Learn and develop medical diagnostic skills with high resolution graphics that are engaging and truly immersive. Virtual patients differ in age and gender and answer different medical questions which gives the user the chance to analyze and make conclusions about possible diagnosis.</p> <hr/> <p>Learners can develop critical skills to effectively diagnose illnesses using a wide variety of medical instruments, medicines, and laboratory tests in a safe, controlled environment with session monitoring in real time.</p> <ul style="list-style-type: none"> • Industry-leading graphics • Minimum space needed for use is 4 sq. ft. • Unique teleportation feature inside VR section • Fastest setup, load and response time • Smart Center with Spectator feature for managing and tracking training

		<p>Includes:</p> <ul style="list-style-type: none"> • VR Goggles, • Laptop Computer, • 65” Flat Panel Display with Stand, • Clinic Software w/ Lifetime License • 200+ outpatient cases • Access to Smart Center – web service monitoring and recording training sessions with tracking learning outcomes, learning progress, registering students • Case Manager – outpatient case editing/creation – up to 30 cases (license for 12 months) 	
		<p>VR Headset Specs:</p> <p>Head Strap Soft Strap Designed to offer lightweight comfort for any type of player. This soft strap can be easily adjusted or upgraded with Meta Quest accessories.</p> <p>Optics Specifications Fast-Switch LCD Display 1832 x 1920 Resolution Per Eye 60, 72, 90 Hz Refresh Rate Supported Glasses Compatible o with certificate of exclusivity from the manufacturer</p>	
		*With Trainings	
2.2	1	Unit	<p>Virtual Reality Augmented Reality for Maternal-Fetal Birthing Simulator</p> <p>This is a wireless birthing simulator with validated and integrated maternal-fetal physiology and interchangeable static collars to train on all stages of delivery and the rare emergency scenario.</p>

		<p>Elevate neonatal training with augmented reality, a solution that helps learners truly visualize childbirth and accelerates neonatal training. It can be used as a standalone application with a holographic manikin or can be integrated with the manikin to enable continuum of learning.</p> <ul style="list-style-type: none"> • Accelerate learning and retention with a complete understanding of physiology in childbirth and postpartum scenarios • Improve skills retention with self-paced and repeatable learning • Save precious faculty time with self-directed learning • Deliver training with minimal space requirements the world’s first childbirth simulator to offer real-time, interactive 3D holograms of anatomy for more immersive training. 	
		<p>With 5 Scenarios:</p> <ul style="list-style-type: none"> • Normal Delivery • Breech Delivery • Shoulder Dystocia Delivery • Instrumental Delivery • Postpartum Hemorrhage <p>*Batteries: 18.5V, 233Wh Lithium Ion</p> <p>For additional interactivity, students can use HoloLens to elevate 3D models above the physical model and bypass them. Although it is designed to work with the physical simulator, this also allows students to train only with HoloLens.</p>	
		<p>This brings an impressive mix of features to the market, including a more realistic and controllable birthing process, better articulation for labor and delivery maneuvers, and predicts APGAR scores based on integrated maternal and fetal physiology. From normal delivery and breech birth to shoulder dystocia and eclampsia, Lucina does it all.</p> <p>1. The advanced delivery mechanism is reliable and stable and it is the quietest on the market Tactile realism of mother and fetus allows learners to establish stages of labor, determine delivery cases by seat and perform more interventions, including extraction using a suction cup</p>	

			<p>2. Full waist, hip and thigh joint with visible pelvic joint allows practice of obstetric maneuvers including McRobert maneuver Advanced cardiopulmonary resuscitation analysis measures quality and depth of chest compressions, ventilation speed and volume, cardiac output and more Signs of epileptic seizures in the mother include tremor, rapid blinking of the eyes, jaw movement and stertorous breathing</p> <p>3. Postpartum hemorrhage reservoir holds blood to exercise for a wide range of scenarios including class III hemorrhage Extraction of the placenta with detection of the appropriate level of force for extraction Signs of "a healthy delivery include wailing and APGAR scores after one minute and five minutes</p> <p>4. The fetus must meet World Health Organization (WHO) standards for a term newborn baby Automatic detection, response and measurement of left lateral tilt, McRoberts maneuver, suprapubic pressure, pressure maneuvers. Rubin II, Zavanelli and uterine massage Maternal tactile realism includes proper dilation and effacement of the cervix.</p> <p>*With Trainings</p> <p style="text-align: center;">LOT 2 TOTAL ABC: Php9,100,000.00</p>	
3.0	1	LOT	CPR TRAINER	
3.1	1	Unit	CPR Trainer (Set of 5 plus 5 tablet computers)	

			<ul style="list-style-type: none"> • LED Display for real-time feedback (Chest compression, Ventilation) • Chest compression – Total number, Good number, Depth, Speed, Incomplete recoil, Hand position • Ventilation – Total number, Good number, Volume, Rate • Sound, LED ON / OFF • Head tilt-Chin lift Maneuver, Airway opening • Visible Chest rising during ventilation • Semi-permanent use of AED training pads with embedded magnets in manikin (Offering magnetic stickers) <p>SOFTWARE</p> <ul style="list-style-type: none"> • Preloaded into Tablet Computer • Connect up to 6 manikins at the same time • Editable guidelines • Various Training modes: Game mode, Training mode, Evaluation mode • Training for Chest Compression and Ventilation · Count Total Number and Correct Number of Compressions Count Total volume and number of ventilations • Assessment results exportable 	
			<p>LOT 3 TOTAL ABC: Php1,950,000.00</p>	
4.0	1	LOT	PHYSIOLOGY TEACHING SYSTEM	
4.1	4	Unit	Physiology Teaching System	

A system for the teaching of human and animal physiology
Includes at least 90 experiments and at least 250 exercises in cardiovascular, neuromuscular and spirometric physiology, and others.

Also include:

- Control Module with wire compatible Biopotential (ECG, EMG, EEG, GSR) Amplifier, Built-in Stimulator
- Spirometer Flow Head, Heart Sounds Sensor
- 1 Unit Iron Stand
- 1 Unit Spirometer Collapsible Tubing
- 10 pieces Spirometer Mouthpiece
- 1 Unit Laptop with learning module software

- Pulse Probe, Temperature Sensor
- Non-Invasive Blood Pressure Sensor
- Grip Force Sensor, Muscle Twitch Sensor
- Single-axis Goniometer, Patellar Reflex Hammer
- Pulse Oximeter, Respiration Monitor
- Event Marker, Force Transducer
- Dissolved Oxygen Sensor
- Nerve Bath Chamber, Needle Electrodes
- Bipolar Stimulating Electrode
- Headphones

Human Physiology

Measurements:

- ECG, EMG, GSR
- Hemispheric EEG
- Blood Pressure, Heart Sounds
- Spirometry
- Reflex Testing, Reaction Times, Polygraph
- Facial EMG, Skin Temperature
- Stroop Test, Eriksen Flanker Test

		<p>Animal Physiology Measurements:</p> <ul style="list-style-type: none"> ■ Muscle Contraction ■ Frog ECG ■ Action Potentials ■ Cellular Metabolism ■ Mechano-reflexes <p>Human Circulation:</p> <ul style="list-style-type: none"> ■ Blood Pressure, Peripheral Circulation, and Body Position ■ Blood Pressure, Peripheral Circulation, and Imposed conditions ■ Pulse Wave Velocity Human Heart: ■ The Electrocardiogram (ECG) and the Pulse <hr/> <ul style="list-style-type: none"> ■ Heart Sounds and the Electrocardiogram (ECG) ■ The Effects of Exercise on the Electrocardiogram (ECG) and the Pulse ■ The Six-Lead Electrocardiogram ■ The Diving Reflex ■ Heart Rate Variability (HRV) <p>Human Muscle:</p> <ul style="list-style-type: none"> ■ Grip Strength and Electromyogram (EMG) Activity ■ Electromyogram Activity in Antagonistic Muscles ■ EMG and Arm Wrestling ■ Oculomotor Muscle Activity ■ Response, Work, Summation and Tetanus in Human Muscle ■ Kinesiology Targeted Muscles ■ Human Muscle Twitch <p>Human Spirometry:</p> <ul style="list-style-type: none"> ■ Breathing Parameters at Rest and after Exercise ■ Breathing and Gravity ■ Factors that Affect Breathing Patterns ■ Lung Volumes and Heart Rate 	
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			<p>Human Nerve:</p> <ul style="list-style-type: none"> ■ Auditory and Visual Reflexes ■ Stretch Receptors and Reflexes with Reflex Hammer ■ Stretch Receptors and Reflexes with Plethysmograph ■ Human to Human Interface <p>Animal:</p> <ul style="list-style-type: none"> ■ Skeletal Muscle - Work, Summation and Tetanus ■ Smooth Muscle Contraction ■ Byssal Retractor Muscle ■ Frog Electrocardiogram ■ Crayfish Heart ■ Membrane Potentials ■ Compound Action Potentials ■ Cockroach Leg Mechanoreceptors ■ Cockroach Cercal Sense Organs
			*With Trainings
			LOT 4 TOTAL ABC: Php11,394,800.00
5.0	1	LOT	CHEST DRAIN & NEEDLE DECOMPRESSION TRAINER
5.1	1	Unit	<p style="background-color: yellow;"><i>Chest Drain & Needle Decompression Trainer</i></p> <p>This is a Simulator to deliver training in both surgical and guide-wire assisted thoracostomy and thoracentesis, chest drainage and needle decompression techniques. Chest tube insertion is for both types of pads, with the Advanced model's eco-lucent material allowing practice of Seldinger's ultrasound technique.</p> <ul style="list-style-type: none"> • Reservoirs in the rear of the model can be filled with fluid or mock blood to represent pleural effusion • Needle decompression air reservoirs provide realistic releases of air on insertion of needle • Anatomically accurate representation of an adult male torso with raised arms • Standard Pads have a Pleural Layer which has realistic give and "pop" when puncturing with forceps or finger • Combined use of the Advanced Pads and the chest reservoirs allows for the simulation of pleural effusion <p>VERSATILITY</p> <ul style="list-style-type: none"> • Able to perform the Seldinger Technique

		<ul style="list-style-type: none"> • Trainer can be used in a sitting or supine position
		<p>CLEANING</p> <ul style="list-style-type: none"> • Clean the product with a damp soft cloth or sponge, using warm water with mild detergent • Always drain, clean and dry after use to ensure that the trainer remains in good condition <p>ANATOMY</p> <ul style="list-style-type: none"> • Adult male torso with raised arms • Internal landmarks: ribs, lung and diaphragm <p>SKILLS GAINED</p> <ul style="list-style-type: none"> • Needle decompression/ needle thoracostomy of a tension pneumothorax at both the 2nd and 5th intercostal space
		<ul style="list-style-type: none"> • Ultrasound guided chest tube insertion, also known as the Seldinger Technique, including insertion of the needle into the pleural space under direct vision and ultrasonic recognition of chest structures
		<ul style="list-style-type: none"> • Open or cut-down chest tube insertion, including recognition of correct position, surgical incision, blunt dissection through the chest wall, perforation of pleura and finger sweep • Suturing of the tube to the chest wall • Use of a chest drain, including using with an underwater seal
		*With Trainings
		<p>LOT 5 TOTAL ABC: Php1,250,000.00</p>

Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

*One (1) Original and Three (3) Copies
Class "A" Documents*

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) **in accordance with Section 8.5.2 of the IRR;**

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** Original copy of Notarized Bid Securing Declaration; **and**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) **or** A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

- (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

One (1) Original and Three (3) Copies

- (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.

