



Republic of the Philippines
Cebu Normal University
Osmeña Boulevard, Cebu City

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Procurement of Equipment for the Upgrading of the CNU Science Laboratory

**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.



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CEBU NORMAL UNIVERSITY
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Office of the Bids and Awards Committee

Telephone No.: (+63 32) 254 1452 local 141 or 125

Email: cnubacsec@gmail.com

INVITATION TO BID FOR
Procurement of Equipment for the Upgrading
of the CNU Science Laboratory

1. The *Cebu Normal University*, through the *General Appropriations Act of 2021* intends to apply the sum of Thirty-four Million Five Hundred Twenty-seven Thousand Three Hundred Fifty Pesos (Php 34,527,350.00) for the Procurement of Equipment for the Upgrading of Science Laboratory; **Lot 1 - Photographic/Filming/Video Equipment** for Biology Laboratory (*Advanced Laboratory in Biological Sciences*) and Physics Laboratory (*Center for Computational and Experimental Physics*) - No. 21-08-420, Total ABC – Php 2,500,000.00; **Lot 2 - ICT Equipment** for Physics Laboratory (*Center for Computational and Experimental Physics*) and Biology Laboratory (*Advanced Laboratory in Biological Sciences*) – No. 21-08-421, Total ABC –Php 2,855,500.00; **Lot 3 – Software** for Physics Laboratory (*Center for Computational and Experimental Physics*) – No. 21-08-422, Total ABC - Php 3,400,000.00; **Lot 4 - Laboratory Equipment** for Biology Laboratory (*Advanced Laboratory in Biological Sciences*) – No. 21-08-423, Total ABC – Php 14,064,700.00; **Lot 5 - Laboratory Equipment** for Physics Laboratory (*Center for Computational and Experimental Physics*) – No. 21-08-424, Total ABC - Php 8,839,350.00; **Lot 6 – Laboratory Equipment** for Chemistry Laboratory (*Center for Applied Chemistry*) - No. 21-08-425, Total ABC - Php 2,867.800.00; being the Total ABC to payments under the contract for each lot. Bids received in excess of the ABC for each item in the lot shall be automatically rejected at bid opening.
2. The *Cebu Normal University* now invites bids for the following items of the above Procurement Project.

Lot 1 - PHOTOGRAPHIC/FILMING/VIDEO EQUIPMENT				
No. 21-08-420				
Total ABC – Php 2,500,000.00				
BIOLOGY LABORATORY (Advanced Laboratory in Biological Sciences)				
Item No.	Quantity	Unit	Item Description	ABC
1	1	Unit	Camera Macro Lens	125,000.00

2	1	Unit	Camera Telephoto Lens	175,000.00
3	1	Lot	Camera, Digital Single Lens Reflex Camera	180,000.00
4	1	Lot	Drone	150,000.00
5	1	Lot	Camera Tripod	20,000.00
PHYSICS LABORATORY (Center for Computational and Experimental Physics)				
6	1	unit	FAST CAMERA	1,000,000.00
7	1	unit	DRONE	850,000.00

Lot 2 – ICT EQUIPMENT				
No. 21-08-421				
Total ABC: Php 2,855,000.00				
PHYSICS LABORATORY (Center for Computational and Experimental Physics)				
Item No.	Quantity	Unit	Item Description	ABC
1	5	units	COMPUTER SET	1,250,000.00
2	5	units	LAPTOP	1,200,000.00
BIOLOGY LABORATORY (Advanced Laboratory in Biological Sciences)				
3	5	lots	Desktop, CPU and Monitor	405,000.00

Lot 3 - SOFTWARE				
No. 21-08-422				
Total ABC: Php 3,400,000.00				
PHYSICS LABORATORY (Center for Computational and Experimental Physics)				
Item No.	Quantity	Unit	Item Description	ABC
1	1	unit	MATLAB SOFTWARE (Campus wide license)	2,000,000.00
2	1	Lot	LABVIEW FULL SOFTWARE	1,400,000.00

Lot 4 – LABORATORY EQUIPMENT				
No. 21-08-423				
Total ABC: Php 14,064,700.00				
BIOLOGY LABORATORY (Advanced Laboratory in Biological Sciences)				
Item No.	Quantity	Unit	Item Description	ABC
1	2	lots	AGAROSE GEL ELECTROPHORESIS SYSTEM	500,000.00
2	1	lot	CHEMICAL FUME HOOD	450,000.00
3	5	sets	MICROPIPETTE with Stand/Holder	440,000.00
4	1	lot	FLUORESCENCE MICROSCOPE	500,000.00
5	1	lot	PHYSIOLOGY/ ANATOMY MODELS OF TORSO AND MUSCULAR SYSTEM	800,000.00
6	1	lot	REFRIGERATED MICROCENTRIFUGE	400,000.00

7	3	lots	MINI CENTRIFUGE	240,000.00
8	1	lot	REFRIGERATOR, LABORATORY	700,000.00
9	1	lot	ROTARY EVAPORATOR with Vacuum pump	700,000.00
10	1	lot	ROTARY EVAPORATOR VACCUM PUMP	60,000.00
11	1	lot	ROTARY EVAPORATOR VACCUM PUMP	60,000.00
12	1	lot	SPECTROPHOTOMETER, UV VIS Nano MICROVOLUME	1,300,000.00
13	1	lot	WATER PURIFICATION SYSTEM	824,700.00
14	2	lots	VORTEX MIXER	180,000.00
15	1	lot	LIQUID NITROGEN TANK	250,000.00
16	1	Unit	FRENCH GLASS DOOR BOTTOM FREEZER INVERTER REFRIGERATOR	100,000.00
17	16	lots	STEREO MICROSCOPES	640,000.00
18	2	units	Microwave oven	40,000.00
19	90	lots	COMPOUND TRINOCULAR MICROSCOPE	5,880,000.00

Lot 5 – LABORATORY EQUIPMENT				
No. 21-08-424				
Total ABC: Php 8,839,350.00				
PHYSICS LABORATORY (Center for Computational and Experimental Physics)				
Item No.	Quantity	Unit	Item Description	ABC
1	4	units	SILICONE ELASTOMER SOLUTION	159,350.00
2	4	units	POLY (DIMETHYLSILOXANE)	80,000.00
3	1	unit	VACUUM PUMP	100,000.00
4	1	lot	INVERTED BRIGHT-FIELD MICROSCOPE	1,200,000.00
5	2	units	INVERTED BRIGHT-FIELD MICROSCOPE	400,000.00
6	2	units	INVERTED BRIGHT-FIELD MICROSCOPE	200,000.00
7	2	units	MICROFLUIDICS SYRINGE PUMP	250,000.00
8	1	unit	REFRIGERATOR	300,000.00
9	1	unit	RHEOMETERS	1,200,000.00
10	1	lot	WEATHER STATION EQUIPMENT	2,500,000.00
11	2	units	LASER CUTTER	1,200,000.00
12	5	units	3D PRINTER	1,250,000.00

Lot 6 – LABORATORY EQUIPMENT				
No. 21-08-425				
Total ABC: Php 2,867,800.00				
CHEMISTRY LABORATORY (Center for Applied Chemistry)				
Item	Quantity	Unit	Item Description	ABC

No.				
1	2	units	CHEMICAL FUME HOOD (with Duct and Stand)	880,000.00
2	3	units	Analytical Balance	450,000.00
3	1	unit	Safety Equipment (Chemical Storage Cabinet)	153,400.00
4	1	unit	Safety Equipment (Chemical Storage Cabinet)	199,200.00
5	2	units	Safety Equipment (Chemical Storage Cabinet)	525,200.00
6	2	units	Safety Equipment (Chemical Storage Cabinet)	660,000.00

Delivery of the Goods is required by *Sixty (60) Calendar Days*. 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).

- 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.

- Prospective Bidders may obtain further information from *Cebu Normal University* and inspect the Bidding Documents at the address given below during *office hours from 8:00 A.M. to 5:00 P.M.*
- A complete set of Bidding Documents may be acquired by interested Bidders on *September 16 to October 6, 2021* from the given address and website(s) *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the following amounts: Lot 1 - Two Thousand Five Hundred Pesos (Php 2,500.00), Lot 2 – Three Thousand Pesos (Php 3,000.00), Lot 3 – Three Thousand Five Hundred Pesos (Php 3,500.00), Lot 4 – Fourteen Thousand Five Hundred Pesos (Php 14,500.00), Lot 5 – Nine Thousand Pesos (Php 9,000.00) and Lot 6 – Three Thousand Pesos (Php 3,000.00).* The Procuring Entity shall allow the bidder to present its proof of payment for the fees *if it will be presented in person, by facsimile, or through electronic means.*

[NOTE: For lot procurement, the maximum fee for the Bidding Documents for each lot shall be based on its ABC, in accordance with the Guidelines issued by the GPPB; provided that the total fees for the Bidding Documents of all lots shall not exceed the maximum fee prescribed in the Guidelines for the sum of the ABC of all lots.]

6. The *Cebu Normal University* will hold a Pre-Bid Conference¹ on *September 24, 2021 at 1:30 in the afternoon* at the *EMMA Center, Cebu Normal University, Osmeña Boulevard, Cebu City*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the BAC Office, Room 203 2nd Floor Administrative Building, Cebu Normal University, Osmeña Boulevard, Cebu City on or before *October 6, 2021 @ 1:00 P.M.* Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on *October 6, 2021, 1:30 P.M.* at the *EMMA Center, Cebu Normal University, 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:

Ann S. Ancajas
BAC Secretariat Office
Cebu Normal University
Osmeña Boulevard, Cebu City
6000 Philippines
ajsancajas95@yahoo.com
(+63 32) 254 1452 local 141 or 125
12. You may visit the following websites:

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

September 13, 2021



Dr. RODIN M. PASPASAN
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 *Procurement of Equipment for the Upgrading of Science Laboratory*; **Lot 1 - Photographic/Filming/Video Equipment** for Biology Laboratory (Advanced Laboratory in Biological Sciences) and Physics Laboratory (Center for Computational and Experimental Physics) - No. 21-08-420, Total ABC – Php 2,500,000.00; **Lot 2 - ICT Equipment** for Physics Laboratory (Center for Computational and Experimental Physics) and Biology Laboratory (Advanced Laboratory in Biological Sciences) – No. 21-08-421, Total ABC –Php 2,855,500.00; **Lot 3 – Software** for Physics Laboratory (Center for Computational and Experimental Physics) – No. 21-08-422, Total ABC - Php 3,400,000.00; **Lot 4 - Laboratory Equipment** for Biology Laboratory (Advanced Laboratory in Biological Sciences) – No. 21-08-423, Total ABC – Php 14,064,700.00; **Lot 5 - Laboratory Equipment** for Physics Laboratory (Center for Computational and Experimental Physics) – No. 21-08-424, Total ABC - Php 8,839,350.00; **Lot 6 – Laboratory Equipment** for Chemistry Laboratory (Center for Applied Chemistry) - No. 21-08-425, Total ABC - Php 2,867.800.00

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project (referred to herein as “Project”) is composed of *Six (6) 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 2021 in the amount of *Thirty-four Million Five Hundred Twenty-seven Thousand Three Hundred Fifty Pesos (Php 34,527,350.00)*.

2.2. The source of funding is:

a. NGA, the General Appropriations Act.

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.

a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:

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

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA’s CPI, must be at least equivalent to:

a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

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

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

- 7.2. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.

- 7.3. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

- 7.4. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time through videoconferencing 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 *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)**.
- 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.
- 11.5. *[Include if Framework Agreement will be used:]* Financial proposals for single or multi-year Framework Agreement shall be submitted before the deadline of submission of bids as prescribed in the **IB**. For multi-year Framework Agreement, evaluation of the financial proposal during this stage is for purposes of determining eligibility and whether or not such financial proposal is within the ABC.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:

- i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

12.2. *[Include if Framework Agreement will be used:]* For Framework Agreement, the following should also apply in addition to Clause 12.1:

- a. For a single year Framework Agreement, the prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation or escalation on any account. Price schedules required under Clause 12.1 shall be submitted with the bidding documents.
- b. For a multi-year Framework Agreement, the prices quoted by the Bidder during submission of eligibility documents shall be the ceiling and the price quoted during mini-competition must not exceed the initial price offer. The price quoted during call for mini-competition shall be fixed during the Bidder's performance of that Call-off and not subject to variation or escalation on any account. Price schedules required under Clause 12.1 shall be submitted with the bidding documents.

13. Bid and Payment Currencies

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

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

- a. Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration² or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until **February 2, 2022**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.
- 14.3. *[Include if Framework Agreement will be used:]* In the case of Framework Agreement, other than the grounds for forfeiture under the 2016 revised IRR, the bid security may also be forfeited if the successful bidder fails to sign the Framework Agreement, or fails to furnish the performance security or performance securing declaration. Without prejudice on its forfeiture, bid securities shall be returned only after the posting of performance security or performance securing declaration, as the case may be, by the winning Bidder or compliant Bidders and the signing of the Framework Agreement.

15. Sealing and Marking of Bids

Each Bidder shall submit **Four (4) copies** of the first and second components of its Bid.

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

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

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**.
- 16.2. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, the submission of bids shall be for the initial evaluation of their technical and financial eligibility. Thereafter, those declared eligible during the said initial eligibility evaluation and entered into a Framework Agreement with the Procuring Entity shall submit anew their best financial offer at the address and on or before the date and time indicated in the Call for each mini-competition.

² In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.
- 18.2. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, determination of margin of preference shall be conducted every call for Mini-Competition.

19. Detailed Evaluation and Comparison of Bids

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

[Include the following options if Framework Agreement will be used:]

- a. In the case of single-year Framework Agreement, the Lowest Calculated Bid shall be determined outright after the detailed evaluation;
- b. For multi-year Framework Agreement, the determination of the eligibility and the compliance of bidders with the technical and financial aspects of the projects shall be initially made by the BAC, in accordance with Item 7.4.2 of the Guidelines on the Use of Framework Agreement.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to

Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as follows:

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

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. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, all bidders initially determined to be eligible and financially compliant shall be subject to initial post-qualification. The BAC shall then recommend the execution of a Framework Agreement among all eligible, technically and financially compliant bidders and the Procuring Entity and shall be issued by HoPE a Notice to Execute Framework Agreement. The determination of the Lowest Calculated Bid (LCB) shall not be performed by the BAC until a Mini-Competition is conducted among the bidders who executed a Framework Agreement. When a Call for Mini-Competition is made, the BAC shall allow the bidders to submit their best financial proposals on such pre-scheduled date, time and place to determine the bidder with the LCB.

20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, *{[Include if Framework Agreement will be used:]* or in the case of multi-year Framework Agreement, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant,} 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**. *{[Include if Framework Agreement will be used:]* For every mini-competition in Framework Agreement, the LCB shall likewise submit the required documents for final Post Qualification.}

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**.

[Include the following clauses if Framework Agreement will be used:]

- 21.2. At the same time as the Procuring Entity notifies the successful Bidder that its bid has been accepted, the Procuring Entity shall send the Framework Agreement Form to the Bidder, which contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.
- 21.3. Within ten (10) calendar days from receipt of the Notice to Execute Framework Agreement with the Procuring Entity, the successful Bidder or its duly authorized representative shall formally enter into a Framework Agreement with the procuring entity for an amount of One Peso to be paid to the procuring entity as a consideration for the option granted by the procuring entity to procure the items in the Framework Agreement List when the need arises.
- 21.4. The Procuring Entity shall enter into a Framework Agreement with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.
- 21.5. The following documents shall form part of the Framework Agreement:
 - a. Framework Agreement Form;
 - b. Bidding Documents;
 - c. Call-offs;
 - d. Winning bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted (*e.g.*, bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
 - e. Performance Security or Performance Securing Declaration, as the case may be;
 - f. Notice to Execute Framework Agreement; and
 - g. Other contract documents that may be required by existing laws and/or specified 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 and Installation of Science Laboratory Equipment with Training; Photographic/Filming/Video Equipment; ICT Equipment and Software.</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>[Indicate the amount equivalent to two percent (2%) of ABC]</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>[Indicate the amount equivalent to five percent (5%) of ABC]</i> if bid security is in Surety Bond.
19.3	<p>Lot 1 - Photographic/Filming/Video Equipment for Biology Laboratory (Advanced Laboratory in Biological Sciences) and Physics Laboratory (Center for Computational and Experimental Physics) - No. 21-08-420, Total ABC – Php 2,500,000.00; Lot 2 - ICT Equipment for Physics Laboratory (Center for Computational and Experimental Physics) and Biology Laboratory (Advanced Laboratory in Biological Sciences) – No. 21-08-421, Total ABC –Php 2,855,500.00; Lot 3 – Software for Physics Laboratory (Center for Computational and Experimental Physics) – No. 21-08-422, Total ABC - Php 3,400,000.00; Lot 4 - Laboratory Equipment for Biology Laboratory (Advanced Laboratory in Biological Sciences) – No. 21-08-423, Total ABC – Php 14,064,700.00; Lot 5 - Laboratory Equipment for Physics Laboratory (Center for Computational and Experimental Physics) – No. 21-08-424, Total ABC - Php 8,839,350.00; Lot 6 – Laboratory Equipment for Chemistry Laboratory (Center for Applied Chemistry) - No. 21-08-425, Total ABC - Php 2,867,800.00</p>
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**.

[Include the following clauses if Framework Agreement will be used:]

2.3. For a single-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier in its bid.

2.4. For multi-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier during conduct of Mini-Competition.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.*[Include if Framework Agreement will be used:] In the case of Framework Agreement, the Bidder may opt to furnish the performance security or a Performance Securing Declaration as defined under the Guidelines on the Use of Framework Agreement.]*

4. Inspection and Tests

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

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

5. Warranty

6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.

6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

GCC Clause	
1	<p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]</i></p> <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: <i>Select appropriate requirements and delete the rest.</i></p> <ul style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

	<p>e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</p> <p>f. <i>[Specify additional incidental service requirements, as needed.]</i></p> <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ul style="list-style-type: none"> a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested. <p>The spare parts and other components required are listed in Section VI (Schedule of Requirements) and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of <i>[indicate here the time period specified. If not used indicate a time period of three times the warranty period]</i>.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within <i>[insert appropriate time period]</i> months of placing the order.</p>
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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>

	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	<i>[If partial payment is allowed, state]</i> “The terms of payment shall be as follows: “Not Applicable.”
4	The inspections and tests that will be conducted are: <i>Functionality, Quality, Durability, Efficiency</i>

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

[illegible]

Section VII. Technical Specifications

Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words “*or at least equivalent.*” References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

Technical Specifications

Item	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</i></p>

		<p><i>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>
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Item	Specification			Statement of Compliance
		LOT 1	PHOTOGRAPHIC/FILMING/VIDEO EQUIPMENT	
			No. 21-08-420	
			Total ABC: PhP 2,500,000.00	
			BIOLOGY LABORATORY	
			<i>(Advanced Laboratory in Biological Sciences)</i>	
1	1	unit	CAMERA MACRO LENS	
			SPECS:	
			180mm; f2.8; should be compatible with the Camera purchased	
			Includes compatible lens bag	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
2	1	unit	CAMERA TELEPHOTO LENS	
			SPECS:	
			150-600mm; f2.8; should be compatible with the Camera purchased	
			Includes compatible lens bag	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
3	1	lot	CAMERA, DIGITAL SINGLE LENS REFLEX CAMERA	
			SPECS:	
			at least 24 mega pixels, 4K video; with 60fps HD video recording	

			Includes compatible Camera bag	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
4	1	lot	DRONE	
			SPECS:	
			4K video capture	
			With thermal detection	
			Include training	
			Includes installation (or assembly), all installation materials, and labor	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least one (1) year warranty after installation	
			With after sales service	
5	1	lot	CAMERA TRIPOD	
			SPECS:	
			Can support at least 5kg of DSLR + lens	
			Includes installation (or assembly), all installation materials, and labor	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least one (1) year warranty after installation	
			With after sales service	
			PHYSICS LABORATORY	
			<i>(Center for Computational and Experimental Physics)</i>	
6	1	unit	FAST CAMERA	
			SPECS:	
			Frame rate: 60,000 fps	
			1280 x 1024 resolution CMOS sensor	
			500 frames per second at full resolution	
			720p imaging up to 720 fps	
			3200 ISO monochrome, 1600 ISO color	
			Battery operated	
			2 μ s global shutter selectable independent of frame rate.	
			Built in solid state drives provide up to 1TB of internal memory	
			7 in built in LCD screen	
			Adjustable frame rate up to 20,000 fps	

			Installation, Training, and Warranty	
			* with set-up, warranty, and service after sales	
7	1	unit	DRONE	
			Aircraft:	
			Weight: 1391g	
			diagonal distance: 350 mm	
			Max Service Ceiling Above Sea level: 19685 ft (6000 m)	
			Max Ascent speed: 6 m/s	
			Max Descent speed: 3 m/s	
			Max speed: 31 mph (P-mode), 36 mph (A-mode)	
			Max flight time: approx. 30 minutes	
			operating temperature range: 0 to 40 degrees Celcius	
			Operating frequency: 2.4 GHz to 2.483 GHz	
			Transmission power: 2.4 GHz < 20 dBm	
			Hover accuracy range: RTK enabled and functioning properly :	
			Vertical : ± 0.1 m ; Horizontal : ± 0.1 m	
			RTK disabled	
			Vertical : ± 0.1 m (with vision positioning) ;	
			± 0.5 m (with GNSS positioning)	
			Horizontal : ± 0.3 m (with vision positioning) ;	
			± 1.5 m (with GNSS positioning)	
			Image position offset: The position of the camera center is relative	
			to the phase center of the onboard D-RTK antenna under the aircraft	
			body's axis:(36, 0, and 192 mm) already applied to the image	
			coordinates in Exif data. The positive x, y, and z axes of the aircraft	
			body point to the forward, rightward, and downward of the aircraft, respectively.	
			Mapping functions:	
			Mapping accuracy: Mapping accuracy meets the requirements of the	
			ASPRS Accuracy Standards for Digital Orthophotos Class III	
			** The actual accuracy depends on surrounding lighting and	
			patterns, aircraft altitude, mapping software used, and other factors when	
			shooting.	
			Ground Sample Distance: (H/36.5) cm/pixel,	
			H means the aircraft altitude relative to shooting scene (unit: m)	
			Data Acquisition Efficiency: Max operating area of approx. 1 km ² for	
			a single flight(at an altitude of 182 m, i.e., GSD is approx. 5 cm/pixel,	
			meeting the requirements of the ASPRS Accuracy Standards for	
			Digital Orthophotos Class III	
			Vision System:	

			Velocity range: ≤31 mph(50 kph) at 6.6 ft(2 m) above ground with adequate lighting	
			Altitude range: 0-33 ft(0 - 10 m)	
			Operating range: 0-33 ft(0 - 10 m)	
			Obstacle range: 2-98 ft(0.7-30 m)	
			FOV: Forward/Rear: 60° (horizontal), ±27° (vertical)	
			Downward: 70° (front and rear), 50° (left and right)	
			Measuring frequency: Forward/Rear : 10 Hz;	
			Downward : 20 Hz	
			Operating environment: Surfaces with clear patterns and adequate	
			lighting(> 15 lux)* with set-up, warranty, and service after sales	
		LOT 2	ICT EQUIPMENT	
			No. 21-08-421	
			Total ABC: PhP 2,855,500.00	
			PHYSICS LABORATORY	
			<i>(Center for Computational and Experimental Physics)</i>	
1	5	unit	COMPUTER SET	
			SPECS:	
			Standard glass; 3.1 GHz 6-core 10th gen intel core i5	
			Turbo boost up to 4.5GHz; 16 GB 2666 MHz DDR4 Memory	
			256 SSD storage; 10 Gigabit Ethernet; Magic Trackpad 2	
			Magic Keyboard	
			* with warranty, and service after sales	
2	5	unit	LAPTOP	
			SPECS:	
			Display: Retina display	
			16-inch (diagonal) LED-backlit display with IPS technology; 3072-by-1920	
			native resolution at 226 pixels per inch with support for millions of colors	
			Supported scaled resolutions:	
			2048 by 1280	
			1792 by 1120	
			1344 by 840	
			1152 by 720	
			500 nits brightness; Wide color (P3); True Tone technology	

			Refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz	
			Processor:	
			2.3GHz 8-core Intel Core i9, Turbo Boost up to 4.8GHz, with	
			16MB shared L3 cache	
			Configurable to 2.4GHz 8-core Intel Core i9, Turbo Boost up to	
			5.0GHz, with 16MB shared L3 cache	
			Storage:	
			1TB SSD	
			Configurable to 2TB, 4TB, or 8TB SSD	
			Memory:	
			16GB of 2666MHz DDR4 onboard memory	
			Configurable to 32GB or 64GB of memory	
			Graphics	
			AMD Radeon Pro 5500M with 4GB of GDDR6 memory and	
			automatic graphics switching; Intel UHD Graphics 630	
			Configurable to AMD Radeon Pro 5500M with 8GB of GDDR6	
			memory or AMD Radeon Pro 5600M with 8GB of	
			HBM2 memory	
			* with warranty, and service after sales	
			BIOLOGY LABORATORY	
			<i>(Advanced Laboratory in Biological Sciences)</i>	
3	5	lots	DESKTOP CPU AND MONITOR	
			SPECS:	
			With 24 inches full HD monitor; Core i7 64-bit x86; 2 TB hard drive;	
			16 GIG RAM; Wifi ready; Geforce 2060 ti graphics;	
			With at least 2 HDMI ports; With USB and VGA ports;	
			250 Gig SSD; With wired keyboard and wired mouse	
			With licensed Operating System and Microsoft Office;	
			With compatible AVR	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance,	
			checks, and services	
			With after sales service	

		LOT 3	SOFTWARE	
			No. 21-08-422	
			Total ABC: PhP 3,400,000.00	
			PHYSICS LABORATORY	
			<i>(Center for Computational and Experimental Physics)</i>	
1	1	unit	MATLAB SOFTWARE (Campus wide license)	
			SPECS:	
			Matlab R2020b	
			High-level language for scientific and engineering computing	
			Desktop environment tuned for iterative exploration, design, and problem-solving	
			Graphics for visualizing data and tools for creating custom plots	
			Apps for curve fitting, data classification, signal analysis, control	
			system tuning, and many other tasks	
			Add-on toolboxes for a wide range of engineering and scientific applications	
			Tools for building applications with custom user interfaces	
			Interfaces to C/C++, Java®, .NET, Python, SQL, Hadoop, and Microsoft® Excel®	
			Royalty-free deployment options for sharing MATLAB programs with end users	
			All toolboxes included	
			unlimited installation to multiple devices with online access	
			E learning tools: MATLAB and SIMULINK online, MATLAB drive,	
			MATLAB grader, MATLAB mobile	
			MATLAB academic online training suite	
			accessible via different type of set-up: offline and online	
			* with training on Data Analysis and Machine learning	
2	1	lot	LABVIEW FULL SOFTWARE	
			SPECS:	
			Academic Site License - LabVIEW Teaching Only (Small), 50 user license	
			1 License Non-Concurrent; New With 1 Year Academic Site	
			License Teaching Standard Service Program.	
			LabVIEW student install option. Term Active ASL Contract required,	
			must buy new each year; 250 Student Install Option.	
			· LabVIEW is a graphical software development environment used	
			by industry companies and universities to increase productivity and	
			drive innovation in engineering and science applications.	
			· LabVIEW is designed to reduce many of the barriers researchers	
			and educators commonly face when developing test, measurement and control	
			systems. NI focuses on developing highly integrated hardware and software	

			platforms, which allow the software to be rapidly scaled into many focus	
			research and teaching areas including data acquisition, measurements,	
			embedded control, and RF/ wireless communications, giving users the	
			ability to better focus their efforts on an end project goal rather than the	
			hardware and software systems needed to accomplish that goal.	
			Key Features	
			· Built-in graphical user interface	
			· Integration with text-based programming languages for code reuse	
			while taking advantage of LabVIEW's hardware integration capabilities	
			(.m-files, C/C++ code, VHDL).	
			· Cross-platform deployment and abstracted integration with multiple	
			hardware technologies such as FPGA and Real-time.	
			· Direct integration with 3rd party instrumentation and NI's vast line of test,	
			measurement, and control hardware platforms.	
			· Analysis and Technical Code Libraries (signal processing, control design and	
			simulation, File I/O, vision and image processing, RF analysis, reporting, etc.	
		LOT 4	LABORATORY EQUIPMENT	
			BIOLOGY LABORATORY (<i>Advanced Laboratory In Biological Sciences</i>)	
			No. 21-08-423	
			Total ABC: PhP 14,064,700.00	
1	2	lots	AGAROSE GEL ELECTROPHORESIS SYSTEM	
			SPECS:	
			Electrophoresis Tank	
			Overall Dimensions 183 mm (B) x 59 mm (H) x 162 mm (L)	
			Material PPHOX (Polyphenylenoxid); Buffer Solution Volume Approx. 270 – 320 ml	
			Multi-sample Multichannel pipette compatible Safety Lid	
			Overall Dimensions 197 mm (B) x 38 mm (H) x 170 mm (L)	
			Safety Interlock System Without the lid, main power can not be operated	
			Power Supply should be be compatible in Philippines	
			Overall Dimensions 75 mm (B) x 62 mm (H) x 170 mm (L) Weight 410 g	
			Input Voltage AC 220V, 60 Hz (compatible with Philippines)	
			Output Voltage 18 V, 25 V, 35 V, 50 V, 70 V, 100 V and 135 V.	
			Timer Can be set between 0 and 99 min. and cont. mode.	
			Temporary shutdown supported	

			Memory function Automatic memory (the last used V & T)	
			One-Gel Tray	
			Overall dimensions small tray 130 mm (B) x 16,5 mm (H) x 59,5 mm (L)	
			Overall dimensions large tray 130 mm (B) x 24 mm (H) x 122 mm (L)	
			Quantity 2 small gel trays and 1 large gel tray Combs	
			Number of wells 13 or 26; Distances 13 wells: 9 mm	
			26 wells: 4.5 mm; Number of combs 4, can be used on both sides	
			(all combs can be used for 13 or 26 pockets)	
			Material Heat resistant (up to 100 ° C hot solution can be used)	
			With Compatible AVR; With Demonstration & Training including training materials.	
			With at least one (1) year warranty after installation	
			With after sales service	
			Includes at least three (3) years preventive maintenance, checks and services	
2	1	lot	CHEMICAL FUME HOOD	
			SPECS:	
			Size: 1200mm (W) x 800mm (D) x 2400mm (H)	
			Fumehood Countertop: Duratop Epoxy Resin – Chemical and Heat	
			resistant Worktop /	
			Thickness: 19mm/ Color: Black	
			One (1) unit Motor: Chemical resistant Exhaust fan, 3/4 HP , 220V, 60Hz (Imported),	
			Threephase Motor*	
			Interior Panel: Chemical, Heat and Antibacterial resistant Interior Panel	
			Exterior Panel: Epoxy Powdercoated (Corrosion resistant) steel body	
			Glass Panel: Tempered Glass Vertical sliding door with Durable frame	
			Sash with Handle: Epoxy Powdercoated Steel with Recessed Handle (for safety)	
			One (1) unit LED lamp color: 6000k, IP65 rating (features: Dust tight), (protected against dust)	
			and protected against water projected by a nozzle), Flicker free,	
			TUV, CE Certified	
			Fiber Glass Ducting	
			One (1) unit 2-gang Universal Electrical outlet	
			With Base Cabinet: Epoxy Powder coated steel Cabinet with 2-	

			Door	
			Recessed Handle Cabinet (for Safety) – storage space.	
			Tapping of electrical only at exact site Circuit breaker (owner's supply)	
			Installation included for the first 3 meters only (8" diameter	
			Fiberglass ducting), additional charges for additional meter.	
			Accessories: Cup Sink and Lab Grade Faucet / Gas Spicket	
			With Compatible AVR	
			Input/output Voltage (Power supply) should compatible in Philippines	
			Includes installation, all installation materials, and labor	
			Includes calibration (and materials and labor) ;	
			Trainings and training materials with certificates	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
3	5	sets	MICROPIPETTE with stand/holder	
			SPECS:	
			single-channel	
			contains the following micropipette: one piece 0.1-2.5µl;	
			one piece 0.5-10 µl; one piece 5-50µl; 20-200 µl;	
			one piece 100-1000µl	
			one piece micropipette volume range, 0.1-2.5 µl	
			(Accuracy in % (±): 1.4%; Accuracy in µl (±):0.035 µl;	
			Coefficient of variation (%):0.7 %; Coefficient of variation in µl:0.018 µl)	
			one piece micropipette volume range, 0.5-10 µl	
			(Accuracy in % (±): 1%; Accuracy in µl (±):0.1 µl;	
			Coefficient of variation (%):0.5 %; Coefficient of variation in µl:0.05 µl)	
			one piece micropipette volume range, 5-50µl	
			(Accuracy in % (±): 0.8%; Accuracy in µl (±):0.4 µl;	
			Coefficient of variation (%):0.3 %; Coefficient of variation in µl:0.15 µl)	
			one piece micropipette volume range, 20-200 µl	
			(Accuracy in % (±): 0.6%; Accuracy in µl (±):1.2 µl;	
			Coefficient of variation (%):0.2 %; Coefficient of variation in µl:0.4 µl)	

			one piece micropipette volume range, 100-1000 µl	
			(Accuracy in % (±): 0.6%; Accuracy in µl (±):6 µl;	
			Coefficient of variation (%):0.2 %; Coefficient of variation in µl:2 µl)	
			Include stand/holder compatible with the micropipette	
			Include 1,000 pcs tips for each micropipette size range	
			(0.1-2.5 ul; 0.5-10 ul; 5-50 ul; 20-200 ul; 100-1000ul)	
			Include tips' organizers compatible to each micropipette tips	
			(0.1-2.5 ul; 0.5-10 ul; 5-50 ul; 20-200 ul; 100-1000ul)	
			With at least one (1) year warranty	
			Includes at least three (3) years preventive maintenance,	
			checks, and services	
			With after sales service	
4	1	lot	FLUORESCENCE MICROSCOPE	
			SPECS:	
			Eyepieces (23,2 mm)	
			WF 10×/Ø 20 mm; WF 16×/Ø 13 mm; WF 10×/Ø 20 mm (reticule 0,1 mm) (adjustable)	
			Infinity Plan achromatic objectives	
			4×/0,10 W.D. 12,1 mm; 10×/0,25 W.D. 4,64 mm; 20×/0,40 (spring)	
			W.D. 2,41 mm Plan 60×/0,80 (spring) W.D. 0,33 mm	
			40×/0,66 (spring) W.D. 0,65 mm; 100×/1,25 (oil) (spring)	
			W.D. 0,19 mm; 2,5×/0,07 W.D. 8,47 mm	
			Trinocular tube	
			· Siedentopf 30° inclined/360° rotatable; Interpupillary distance 50 – 75 mm	
			· Light distribution 100:0 · Diopter adjustment: Both-sided	
			Mechanical stage	
			Stage size W×D 175×145 mm; Travel 78×55 mm;	
			Coaxial coarse and fine focusing knobs; Two slide holde	
			Condenser	
			Swing-out condenser N.A. 0,9/0,13 center-adjustable (aperture diaphragm)	
			Darkfield condenser	
			N.A. 0,85 – 0,91 (dry, paraboloid	

			Koehler illumination	
			6 V/20 W Halogen spare bulb (transmitted)	
			Polarising unit	
			Analyser/Polariser	
			Phase contrast units	
			Quintuple hole turret with 10×/20×/40×/100× Infinity-PH-Plan objectives (complete set)	
			Single unit with ∞ PH-Plan objective 10×; Single unit with ∞ PH-Plan objective 20×	
			Single unit with ∞ PH-Plan objective 40×; Single unit with ∞ PH-Plan objective 100×	
			C-Moun	
			1×;0,57× (focus adjustable)	
			Fluorescence unit	
			100 W HBO Epi Fluorescence unit 6-filter disc (UV/V/B/G) including centering objective	
			100 W HBO Epi Fluorescence unit, two-hole slide (B/G) including centering objective	
			3 W LED Epi Fluorescence unit (B/G) including centering objective	
			Colour filters for transmitted illumination	
			Blue; Green; Yellow; Gray	
			Technical data	
			Infinity optical system; Quintuple nosepiece;	
			Siedentopf 30° inclined/360° rotatable;	
			Diopter adjustment: Both-sided · Overall dimensions W×D×H 530×220×490 mm	
			Net weight approx. 23 kg	
			Applications	
			Specially for translucent, thin, low-contrast, challenging samples	
			(e.g. Immunofluorescence, FISH, DAPI staining, etc.)	
			Dimmable 20W halogen illumination unit and a 100W Epi	
			fluorescence incident of your fluorescence samples	
			illumination unit on the OBN 147/OBN 148 models ensure perfect	
			illumination and stimulation	
			With the OBN 147/OBN 148 halogen variant which have a filter	
			wheel which has up to 6 fittings.	
			As standard this is fitted with a B/G or B/G/UV/V fluorescence filter.	

			The OBN 141 LED variant is fitted with a B/G fluorescence filter with	
			a changeover slider as standard.	
			The changeover slider and the filter wheel mean that you can change	
			the stimulation filter quickly	
			Includes camera (and memory card) compatible with the microscope	
			Built in camera compatible to the microscope with connector to the computer	
			Input/output Voltage compatible with Philippines	
			Include compatible AVR	
			Input/output Voltage (Power supply) should compatible in Philippines	
			Include training and training materials.	
			Includes installation (or assembly), all installation materials, and labor	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least one (1) year warranty after installation	
			With after sales service	
5	1	lot	PHYSIOLOGY/ ANATOMY MODELS OF TORSO AND MUSCULAR	
			SYSTEM	
			SPECS:	
			"Free training/demonstration, preventive maintenance and checks"	
			Human Torso Model	
			Life-size, anatomically correct human torso model	
			Hand-painted true to detail and made of high-quality plastic	
			Weight : 11.024 kg	
			Dimensions : 87 x 38 x 25 cm	
			Includes at least the following removable parts and organs:	
			✓ 6-part head	
			✓ Chest and abdominal wall with muscles	
			✓ 7th thoracic vertebra	
			✓ Female mammary gland	
			✓ Gluteus maximus and deltoid muscle	
			✓ 2 lungs	
			✓ 2-part heart	
			✓ 2-part stomach	

			✓ Liver with gall bladder	
			✓ 4-part intestinal tract	
			✓ Front half of kidney	
			✓ 3-part female genital insert with fetus	
			✓ 4-part male genital insert	
			Includes Torso Guide	
			Includes installation (or assembly), all installation materials, and labor	
			Includes demonstration/training	
			With at least five (5) years warranty after installation (assembly)	
			Includes at least five (5) years preventive maintenance, checks, and services	
			With after sales service	
			Muscular System Model (Whole Body)	
			At least 3/4 life-size, anatomically correct human muscular system model	
			Made of high-quality plastic	
			Without internal organs, brain, and male genitalia providing for e	
			unobstructed study of the human musculatur	
			Weight: 24.69 lbs.	
			Dimensions: 54.3 x 17.7 x 12.6 in.	
			Includes at least the following features:	
			* 5 arm/shoulder muscles	
			* 8 leg/hip muscles	
			* Detachable arms, leg, head and abdominal wall for detailed study	
			Includes Muscular System Guide	
			Includes demonstration/training and training materials.	
			Includes installation (or assembly), all installation materials, training and labor	
			With at least one (1) year warranty after installation (assembly)	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
6	1	lot	REFRIGERATED MICROCENTRIFUGE	
			SPECS:	
			Power supply: 220 V / 60 Hz (should be compatible in Philippines)	
			Power requirement: Centrifuge 400 W; Compressor 300 W	

			Includes compatible AVR	
			Net Weight :28 KG	
			Capacity: 24 x 1.5/2 ml	
			Max. Speed: 14,800 rpm	
			Max. RCF : 21,100 x g	
			Noise Level: 50 dBA	
			Temperature Range: -9 to +40 degrees celcius	
			Certifications/Compliance: CE, CSA, IVD	
			Type: Benchtop centrifuge	
			Includes: 24 x 1.5/2.0mL rotor with ClickSeal biocontainment lid	
			Electrical Requirements: 230V 50/60 Hz	
			Warranty:3 years	
			Refrigerated: Yes	
			Run Time: 1 to 99min (1min increments); HOLD	
			Standards: IEC 61010-1, IEC 61010-2-020	
			Dimensions (HWD): 12.9 x 11.6 x 17.5in. (33.0 x 29.5 x 44.5cm)	
			· Exceptional acceleration of up to 21,000 x g in as little as 12 seconds.	
			· Refrigerated versions offer cooling from room temperature to set	
			temperature in as little as 9 minutes.	
			Input/output Voltage (Power supply) should compatible in Philippines	
			With compatible AVR	
			Includes installation, all installation materials, and labor	
			Includes calibration (and calibration materials and labor) with certificate	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least one (1) year warranty after installation	
			With after sales service	
			Include Training and training materials	
7	3	lots	MINI CENTRIFUGE	
			SPECS:	
			220V, 60 Hz (should be compatible in Philippines)	
			Max. Speed 8,500 rpm	
			Max. RCF 3,884 g	
			Dimension (LxWxH): 6 x 6 x 5 inches	

			Rotor 1: 6 x 1.5/2mL tubes (adapters for 0.5mL and 0.2ml tubes)	
			Input/output Voltage (Power supply) should be compatible in Philippines	
			With compatible AVR	
			With at least one (1) year warranty after installation	
			With after sales service	
8	1	lot	REFRIGERATOR, LABORATORY	
			SPECS:	
			Temperature range: -12 to -30 degrees celcius	
			Certifications/Compliance: CE	
			Capacity : (Metric) 700 Liters	
			230V Frequency 50 Hz; Plug Type should be compatible in Philippines	
			Shipping weight: 171 kg	
			Refrigerant: R290	
			Includes: Casters	
			Dimension (LxWxH) exterior: 855x750x2085 mm	
			Dimension (LxWxH) interior: 686x600x1505 mm	
			Defrost Automatic	
			Control Type: Digital Microprocessor	
			Cabinet Material: Anti-corrosion Steel, white painted	
			Monitoring options: Alarm	
			No. of doors: 1	
			Shelves: 4 (adjustable)	
			Temperature set point: (-20 degrees C)	
			Includes compatible AVR	
			Input/output Voltage (Power supply) should be compatible in Philippines	
			Includes installation, all installation materials, and labor	
			Includes calibration (and calibration materials and labor) with certificate	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
9	1	lot	ROTARY EVAPORATOR with Vacuum pump	
			SPECS:	
			Height (Metric) G3 Glassware: 887 mm, G3 XL Glassware: 920	

			mm	
			Length (Metric) 739 mm; Width (Metric) 532 mm	
			Capacity (Metric) 4.50 L for bath; 5.00 L for evaporating flask	
			Speed 10 to 280 rpm; Temperature Range (Metric) 20°C to 210°C	
			Product Type Rotary Evaporator; Wattage 1400 W	
			Condenser Type Vertical Condenser	
			Material Bath is Stainless Steel AISI 316L	
			Hertz 60 Hz; Voltage 220 V	
			Capacity (English) 152.16 oz. for bath; 169.07 oz. for evaporating flask	
			Model Hand Lift; Timer Yes	
			Display 5 in. LCD color graphic display	
			Includes Glassware set, Rotary evaporator	
			Electrical Requirements 220 V, 60Hz	
			Glassware Assembly Type Coated G3 vertical glassware	
			Temperature Accuracy $\pm 1^{\circ}\text{C}$; Includes vacuum and chiller control	
			Include compatible vacuum pump	
			Includes leading safety standards and features for superior ease of use and reduced cost of ownership, plus:	
			The convenience of large dial controls for adjustment of rotation speed and bath temperature;	
			Can adjust the required angle of the evaporating flask individually according to needs;	
			Digital model with a digital display for set and actual heating bath temperature;	
			Limit the height of evaporating flask in just seconds;	
			The patented flask clamp Easy-Clip cannot get lost due to a connection to the vapor tube coupling ring;	
			The detachable operating panel is located below the bath and thus outside the dangerous zone	
			Input/output Voltage (Power supply) should compatible in Philippines	
			Include compatible AVR	
			Includes installation (or assembly), all installation materials, and labor	
			Includes three (3) years preventive maintenance, checks, and services	
			With at least one (1) year warranty after installation	

			With after sales service	
			Includes demonstration/training and training materials	
10	1	lot	ROTARY EVAPORATOR VACCUM PUMP	
			SPECS:	
			Should be compatible to Dragonlab (Model: RE-100-PRO)	
			Rotary Evaporator	
			Input/output Voltage (Power supply) should compatible	
			in Philippines	
			Includes installation (or assembly), all installation	
			materials, and labor	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
11	1	lot	ROTARY EVAPORATOR VACCUM PUMP	
			SPECS:	
			Should be compatible to Scilogex (Model: RE-100) Rotary Evaporator	
			Input/output Voltage (Power supply) should compatible	
			in Philippines	
			Includes installation (or assembly), all installation	
			materials, and labor	
			With at least one (1) year warranty after installation	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With after sales service	
12	1	lot	SPECTROPHOTOMETER,UV VIS Nano MICROVOLUME	
			SPECS:	
			Wavelength Range (nm) 190 nm - 1,100 nm	
			Photometric accuracy (K ₂ Cr ₂ O ₇) $\pm 0.01A$; Wavelength accuracy $\pm 1.0nm$	
			Path length 0.1mm; 1.0mm; Cuvette holder: 1cm	
			Options: Printer; Cuvettes; Barcode reader; Fingerprint reader;	
			Mini pump, PC software	
			Resolution (Toluene in hexane) >1.7	
			Stray light (KCl, 198nm) >2 ; Shortcuts per user 24	
			Max. Number of Methods 50; User Identification yes	

			Language: English	
			Minimal Scan time 1 s; Display 7 inch QVGA Color TFT touch	
			sensitive screen; Displayed Resolution 800x400	
			Dimensions (DxHxW) 10.04 in x 8.54 in x 8.19 in	
			(255 mm x 217 mm x 208 mm)	
			Weight (incl. Terminal) 7.2 kg; Terminal resolution 800x400	
			FastTrack UV/VIS Spectroscopy	
			Accurate microvolume measurements	
			With LockPath Technology to guarantee measurement accuracy	
			Measure wide concentration ranges fast	
			Double application power	
			TI Calibration	
			Includes Cuvette, quartz glass, 10 mm 2 each	
			Depth: 12.5 mm; Width: 12.5 mm; Volume: 3,500 µL	
			Height (2): 45 mm; Inner Dimensions: 9.5 mm	
			Optical path length: 10 mm	
			220 V; 60Hz (should be compatible in Philippines)	
			Excellent measurement characteristics in the UV and visible range	
			High precision cuvettes	
			End-user training	
			Input/output Voltage (Power supply) should be compatible in Philippines	
			Includes compatible AVR	
			Includes installation, all installation materials, and labor	
			Includes calibration (and materials and labor) and trainings with certificates	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least two (2) years warranty after installation	
			With after sales service	
			Includes Demonstration and Training and training materials	
13	1	lot	WATER PURIFICATION SYSTEM	
			SPECS:	
			Type of Water: Type 1, Type 2	
			Type 1 Water	
			Applications	
			Inorganic and organic trace	

			analysis, HPCL, ICP-MS,	
			IC, TOC analysis, Molecular biology, PCR, DNA,	
			monoclonal antibodies, cell culture media	
			Resistivity at 25°C, MΩ.cm 18.2	
			Conductivity, μS/cm 0.055; TOC value, ppb 1-5	
			RNase, ng/ml <0.003; DNase, pg/μl <0.4	
			Bacterial content, CFU/mL <0.01; Particles, μm/mL <1	
			Endotoxines, EU/mL <0.001; Flow rate, L/min Up to 1	
			Type 2 Water	
			Pure water production at 15°C, L/h 16	
			Resistivity at 25°C, MΩ.cm 10-1; Conductivity, μS/cm 0.1-1.0	
			Storage Reservoir	
			Volume Material Dimensions	
			60 L; H x D in (mm); 35.9 x 15 inches; (912 x 380 mm)	
			Polyethylene, ultrapure water resistant, opaque to light	
			With compatible AVR	
			Input/output Voltage (Power supply) should compatible in Philippines	
			Includes installation, all installation materials, and labor	
			Includes calibration (and materials and labor) and trainings with certificates	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least one (1) year warranty after installation	
			With after sales service	
14	2	lots	VORTEX MIXER	
			SPECS:	
			analog, 230V, 60 Hz	
			compatible for use with flasks, beakers, tubes and microwell plates	
			Touch mode mixer with three-way power switch	
			Orbit: 4.9mm; Speed knob: Variable 1 to 10 dial marks	
			Variable speed: 300 to 3200rpm	
			Electrical requirements: 120V 50/60Hz 150w	
			L x W x H: 20.3 x 14 x 12.2cm (8 x 5.5 x 4.8 in.)	
			Input/output Voltage (Power supply) should compatible in Philippines	

			With after sales service; With at least one (1) year warranty	
			Includes at least three (3) years preventive maintenance, checks, and services	
			Includes installation, all installation materials, and labor ; includes demonstration	
15	1	lot	LIQUID NITROGEN TANK	
			SPECS:	
			cryogenic dewar with pouring spouts or pressurized dispensing	
			device or dippers for safe transfer of liquid nitrogen; 20-liter liquid	
			nitrogen capacity; Static Evaporation Rate: 0.18 L/day; Neck	
			Opening 2.18: inches; Inner Diameter: 11.4 in.; Outer Diameter:	
			14.5 inches; Usable Height: 13.7 inches; Overall Height: 24.5	
			inches;	
			Weight Empty:19 lb: Weight Full:55 lb.	
			Includes 1 piece portable	
			liquid nitrogen container (capacity 1.5 to 2 liters) with handle for	
			benchtop use.	
			Includes installation (or assembly), all installation materials, and	
			labor	
			Includes three (3) years preventive maintenance, checks, and	
			services	
			With at least one (1) year warranty after installation	
			With after sales service	
16	1	Unit	FRENCH GLASS DOOR BOTTOM FREEZER INVERTER REFRIGERATOR	
			SPECS:	
			Gross Capacity : 494 L (17.4 cu. ft.)	
			Storage Capacity : 457 L (16.1 cu. ft.)	
			Ref Comp : 360 L / 12.7 cu. ft.	
			Freezer Comp : 134 L / 4.7 cu. ft.	
			Weight (Net) : 89 kg	
			Product Dimension (WxDxH) : 770 x 743 x 1,714mm	
			No. of Doors : 2 Door	
			Warranty : 12-year Compressor	
			Refrigerant : R600a	
			Full-flat French-door design	
			Electrostatic touch control panel	
			ECONAVI with four kinds of sensors	

			Intelligent INVERTER control	
			Quick Freezing	
			Surround Cooling Airflow	
			Twist Ice Case	
			Bottom Freezer	
			150kg Tempered Glass Shelves	
			LED Lighting	
			Removable and Washable Parts	
			Door Type: Glass	
			Door Color: Gradient Grey	
			With compatible AVR	
			Includes installation (or assembly), all installation materials, and labor	
			With at least one (1) year warranty after installation	
			Includes three (3) years preventive maintenance, checks, and services	
			With after sales service	
17	16	lots	STEREO MICROSCOPES	
			SPECS:	
			· Optical system: Greenough optics	
			· Brightness adjustable (separate)	
			· Lens barrel 45° tilt	
			· Eye distance: 55.0 - 75.0 mm	
			· diopetre compensation one-sided	
			· Overall dimensions W×D×H 230×180×275 mm	
			· Net weight approx. 2,323 kg	
			Tube: Binocular	
			Eyepiece: WF 10× Ø 20.0 mm	
			Field of view(mm): Ø 20.0	
			Objective Zoom: 1x / 2x / 4x	
			Stand: Mechanical	
			· With turnable objective with predefined magnifications to make	
			working procedures quicker and more efficient.	
			· The eyepieces are fixed in the lens barrel, to stop them getting damages or lost	

			· The ergonomic shape and the stable mechanism which can be	
			adjusted extremely accurately and efficiently with very little effort	
			· A large selection of eyepieces as well as various additional external	
			illumination units are available as accessories.	
			· A protective dust cover, eye cups, as well as multi-lingual user	
			instructions are included in the scope of the delivery	
			Includes installation (or assembly), all installation materials, and labor	
			Includes at least three (3) years preventive maintenance, checks, and services	
			With at least two (2) years warranty after installation	
			With after sales service	
18	2	units	Microwave oven	
			SPECS:	
			0.7 cu.ft / 20 Liter Capacity 220V / 60Hz Power Source 800 Watts Output	
			Power (Max) 1,150 Watts Power Consumption (Microwave)	
			LED Display Type 6 Power Level	
			Membrane Control Method Push button type Microwave Turntable	
			Ceramic Enamel Cavity Interior	
			With Demonstration	
			With at least one (1) year warranty after installation	
			With after sales service	
			Includes at least three (3) years preventive maintenance, checks, and services	
19	90	lots	COMPOUND TRINOCULAR MICROSCOPE	
			SPECS:	
			Body: Aluminum die-casting metal frame, Protective covering	
			Optical System: Infinity optical system	
			Illumination System: Built-in transmitted illumination system,	
			LED Power Consumption 0.5 W (nominal values)	
			Focusing: Stage height movement (coarse movement stroke: 15 mm),	
			coarse adjustment limit stopper, Torque adjustment for coarse adjustment knob,	
			Fine focus knob (minimum adjustment gradations: 2.5 µm)	

			Revolving Nosepiece: Fixed quadruple nosepiece	
			Stage: Wire movement mechanical fixed stage	
			Traveling range: 76 mm (X) x 30 mm (Y), Specimen holder,	
			Specimen position scale; Observation Tube: 30° inclined trinocular tube	
			Interpupillary distance adjustment range: 48 – 75 mm,	
			Eyepoint adjustment: 370.0 – 432.9 mm	
			Objectives: Plan achromat, anti-fungus 4x NA: 0.10 W.D.: 27.8 mm	
			10x NA: 0.25 W.D.: 8.0 mm; 40x NA: 0.65 W.D.: 0.6 mm	
			100xOil NA: 1.25 W.D.: 0.13 mm (CX23LED RFS1 only)	
			Eyepiece (10x): with pointer; Field Number (FN): 20 (anti-fungus)	
			Rated Voltage/Electric Current AC 100–240 V 50/60 Hz 0.4 A	
			Power Consumption: Less than 2 W	
			Microscope frame for transmitted microscopy with LED illumination,	
			trinocular tube, a pair of eyepiece 10X with Helicoid adjustment	
			(F.N.20), quadruple revolving nosepiece	
			right-handle double-plate stage, abbe condenser and plan	
			objectives (4X, 10X, 40X),	
			including field stop adapter, AC adapter, fixing belt for transportation.	
			Plan achromat objective 100X/1.25, WD 0.13 (spring, oil)	
			UYCP Power Cord; Oil Immersion Oil Immersion 10ml	
			Cover-015 Dust cover Type 015 for CX23	
			Input/output Voltage (Power supply) should compatible with Philippines	
			Includes delivery and installation (or assembly),	
			all installation materials, and labor	
			With at least three years (3) years warranty after installation	
			Includes at least three (3) years preventive maintenance,	
			checks, and services	
			With after sales service	
		LOT 5	LABORATORY EQUIPMENT	
			PHYSICS LABORATORY <i>(Center For Computational And</i>	

			<i>Experimental Physics)</i>	
			No. 21-08-424	
			Total ABC: PhP 8,839,350.00	
1	4	unit	SILICONE ELASTOMER SOLUTION	
			SPECS:	
			Protective coating designed to stabilize semiconductor	
			junctions and surfaces for use in device technology of diodes,	
			rectifiers, transistors, and integrated circuits.	
			Features:	
			Flexibility: -600C to 2500C	
			Heat resistance: up to 3000C	
			Specific gravity: 1.2	
			Resistivity: 1x10 ¹⁵ ohm-cm	
			Dielectric constant: 3.5 (1mc)	
			Dielectric strength: 850 volts/mil	
			Dissipation factor: 5x10 ³ (1 mc)	
			Thermal conductivity: BTU-ft/ft ² -hr-0F	
			Durometer shore A: 45	
			Coefficient of thermal expansion: 14.1x10 ⁻⁵ in/in0F(0-3500F)	
2	4	unit	POLY (DIMETHYLSILOXANE)	
			SPECS:	
			Viscosity (Base): 5100 Cp; Viscosity (Mixed): 3500 cP	
			Thermal conductivity: 0.15 btu hr 0F	
			Specific gravity (Cured): 1.03	
			Working time at 250C: 1.5 hours	
			Cure time at 250C: 48 hours	
			Heat cure time at 1000C: 35 minutes	
			Heat cure time at 1250C: 20 minutes	
			Heat cure time at 1500C: 10 minutes	
			Durometer Shore: 43; Dielectric Strength: 500 volts/mil	
3	1	unit	VACUUM PUMP	
			SPECS:	
			pressure range: -700 to 1,000 mbar	
			pressure type: negative and positive	

			pressuer sensor resolution: 0.006% FS	
			pressure stability: 0.006% FS	
			response time: 50 ms	
			setting time: down to 100 ms	
			supply pressure: integrated pressure & vacuum source	
			liquid compatibility: any aqueous or organic solvent oil, or biological	
			sample solution can be propelled	
			output connectors: stainless steel female luer lock	
			* with set-up, warranty, and service after sales	
4	1	lot	INVERTED BRIGHT-FIELD MICROSCOPE	
			SPECS:	
			Observation method: fluorescence (Blue/Green Excitation, Ultraviolet	
			Excitation), Differential Interference Contrast(DC), Phase Contrast, Brightfield	
			Observation tubes: Widefield (FN 22) - Tilting Binocular, Trinocular	
			Stage: Mechanical - Plain Stage, IX3-SVR Mechanical Stage with right handle	
			Condenser: Motorized - Universal Condenser; Manual - Universal	
			condenser, Ultra-Long Working Distance Condenser	
			Dimensions: 323 (W) x 475(D) x 656 (D) mm (1 Deck Standard	
			Configuration); Weight: 35 kg (1 Deck Standard Configuration)	
			Installation, Training and Warranty	
			* with set-up, warranty, and service after sales	
5	2	unit	INVERTED BRIGHT-FIELD MICROSCOPE	
			100x oil immersion objective	
			* with set-up, warranty, and service after sales	
6	2	unit	INVERTED BRIGHT-FIELD MICROSCOPE	
			60x oil immersion objective	
			* with set-up, warranty, and service after sales	
7	2	unit	MICROFLUIDICS SYRINGE PUMP	
			SPECS:	
			holds 2, 4, 6, or 8 syringes of up to 140 mL each	
			Infusion rates from 0.452 μ L/hr (1 mL syringe) to 1451 mL/hr	
			(60 mL syringe); Syringe size: 0.5 μ L, 1 mL, 3 mL, 5 mL, 10 Ml	
			* with warranty, and service after sales	

8	1	unit	REFRIGERATOR	
			SPECS:	
			Certifications/Compliance cUL; Capacity (Metric) 827 L	
			Frequency 60 Hz; Plug Type should be compatible in Philippines	
			Dimensions (D x W x H) Interior; 28.5 x 30.0 x 58.0 in.	
			(72.3 x 76.2 x 147.3 cm)	
			Weight (Metric) 177 kg; Shipping Weight (Metric) 208 kg	
			Refrigerant R290; Shelves 4; Chart Recorder Optional	
			Depth (Metric) Interior 72.3 cm; Height (English) Interior 58.0 in.	
			Height (Metric) Interior 147.3 cm; Width (Metric) Interior 76.2 cm	
			Width (English) Exterior 34.0 in.; Depth (English) Exterior 37.8 in.	
			Depth (Metric) Exterior 96.0 cm; Temperature Range 2°C to 8° C	
			Capacity (English) 29.2 cu. ft.; Electrical Requirements	
			208 - 230 V 60 Hz	
			Amperage 15 A; Dimensions (L x W x H) Exterior	
			37.8 x 34.0 x 78.5 in. (96.0 x 86.4 x 199.4 cm)	
			Weight (English) 390 lb.; Shipping Weight (English) 459 lb.	
			Display Microprocessor; Door Style Solid	
			Smart View Compatibility Smart-View Compatible; Depth (English)	
			Interior 28.5 in.	
			Height (English) Exterior 78.5 in.; Height (Metric) Exterior 199.4 cm	
			Width (English) Interior 30 in.; Defrost Automatic	
			Width (Metric) Exterior 86.4 cm; Type High-Performance Refrigerator	
			* with warranty, and service after sales	
9	1	unit	RHEOMETERS	
			SPECS:	
			Torque Range Min. torque rotation CS (µNm): 0.01	
			Min. torque rotation CR (µNm): 0.01	
			Min. torque oscillation CS (µNm): 0.002	
			Min. torque oscillation CD (µNm): 0.002	
			Max. torque (mNm): 200; Torque resolution (nNm): 0.1	
			Angular Resolution (nrad) 12; Weight (Metric) 59kg	
			Bearing Air bearing: 2x radial, 1x axial	

			Width (Metric) 600mm; Width (Metric) 600mm; Motor Type: Drag cup	
			Motor Inertia (kgm ²) 10-5	
			Frequency Range Min. oscillation frequency (Hz): 10-6	
			Max. oscillation frequency (Hz): 100	
			Normal Force Min. Normal force (N): 0.01	
			Max. Normal force (N): 50	
			Normal force resolution (N): 0.001; Height (Metric) 890mm;	
			Operating Temperature Range Min. temperature (°C): -150	
			Max. temperature (°C): 600	
			Depending on temperature module Speed Range	
			Range; Max. lift travel (mm):240; Gap resolution (μm): 0.5 Min.	
			lift speed (μm/s): 0.02 Max. lift speed (mm/s) 20	
			Rotational Speed Range Min. rotational speed CS (rpm): 10-7	
			Min. rotational speed CR (rpm): 10-8	
			Max. rotational speed (rpm): 4500	
			Step in velocity (ms): 10	
			Installation, Training, and Warranty	
			* with set-up, warranty, and service after sales	
10	1	lot	WEATHER STATION EQUIPMENT	
			SPECS:	
			Automatic Weather Station is used for atmospheric temperature,	
			relative humidity, atmospheric pressure, wind speed and direction,	
			solar radiation, light, rainfall, soil temperature	
			and humidity parameters measurement. The station	
			consists of various types of sensors, LCD screen, meteorological	
			data collector, chassis, support and other parts.	
			It can be widely used in meteorology, hydrology,	
			agriculture, forestry, scientific research and other fields.	
			Features	
			High accuracy; Strong resistance to harsh environment	
			Strong corrosion resistant ability; Automatic storage and backup	
			Convenient data download; All metal construction of bracket	
			Solar power supply optional; Free PC software	
			Applications:	
			Agricultural; Forestry; Highways and railways; Solar or wind	

			power generation	
			Greenhouse, breeding; Scenic region; Meteorological science research	
			*Inlcudes set-up, warranty and training	
11	2	unit	LASER CUTTER	
			SPECS:	
			Working area: 1300mm*900mm; Laser power: 100W	
			Laser type: CO2 sealed laser tube,water-cooled	
			Driving system: Stepper motor; Transmission: Belt transmission	
			Guide way: Taiwan Hiwin Square guide rails	
			Control system: RD6332M control system	
			Lens and mirrors: 3pcs mirrors and 2pcs lens from USA Original	
			Working table: Blade table	
			Cutting thickness: At max 30mm (According to the materials)	
			Air compressor: Included	
			Water chiller: CW6000	
			Power supply: 220V/50HZ	
			Graphic format: supported BMP, PLT, DST, DXF, AI	
			Software supported CorelDraw, PhotoShop, AutoCAD,TAJIMA	
			* with set-up, warranty, and service after sales	
12	5	unit	3D PRINTER	
			Technical Specs:	
			Printing Technology: LCD (UV Light Curing)	
			Printing Volume: 192mm*120mm*260mm (8.9 inch)	
			Printing speed: 60mm/h	
			Layer Thickness: 10~150µm	
			XY Resolution (DOI): 3840 * 2400 (4K)	
			Z-axis Resolution: 25 µm	
			Connectivity Printing: USB stick, offline	
			Control Panel: 4.3 inch touch screen	
			Pause printing: YES	
			Levelling: Auto Adjustment (Bed levelling is ready before selling)	
			Uploading file format: CTB	
			Printing Material: 405nm photosensitive resin	
			Build Platform: Reticulate Perforation Paltform	

			Software language: English/Chinese	
			Rate Power: 140W	
			Supports (OS): Window 7/8/10 (64 bit)	
			Control Software: ChiTuBox	
			Light source configuration: UV integrated light (405nm wavelength)	
			Product dimension: 280*248*510mm	
			N.W.: 11.5KG	
			Packing dimension: 365*340*605mm	
			G.W.: 15KG	
			Features	
			Full color touchscreen; Inclined demolding	
			4K DPI Screen; High resolution; Large forming size	
			Self-adaptive leveling	
			Dual Z-axis linear guides	
			Resin flow detection	
			Plug and play	
			* with set-up, warranty, and service after sales	
		LOT 6	LABORATORY EQUIPMENT	
			CHEMISTRY LABORATORY (<i>Center For Applied Chemistry</i>)	
			No. 21-08-425	
			Total ABC: PhP 2,867,800.00	
1	2	units	CHEMICAL FUME HOOD (with Duct and Stand)	
			(inclusion: on site installation, Calibration, technical support, preventive maintenance)	
			Description:	
			Constructed with 1.2mm galvanized steel. Epoxy resin coated for acid &	
			alkali resistance. Vertical front window with 4.0mm safety glass.	
			Included Accessories:	
			1. 12.7mm phenolic worktop with edges.	
			2. PP sink with water faucet, Two sets of gas cock with remote control valves.	
			3. Two units of electric outlets on both sides, 220~230V, 16A.	
			4. Fluorescent lamp, explosion proof.	

			5. LCD control panle: light switch, fan control, alarm system for airflow.	
			6. Axial flow fan: 1600m ³ /h, φ250mm, manual adjust damper.	
			Specifications:	
			Dimension (WxDxH) : 1200 x 850 x 2350mm	
			PP sink (WxDxH) : 260 x 140 x 220	
			Remote Control valve for water: Valve unit: Ceramic work head, 90° turn	
			Plastic washer avoids abrasion on the surface of the	
			fume hood during installation.	
			The valve can be removed in front of the fume hood	
			for easy maintenance	
			(1) Control valve for gas	
			(1) Water outlet	
			(1) Gas outlet	
			(1) Axial flow blower: Installed on top of the FH	
2	3	units	Analytical Balance	
			Specification	
			· Weighing capacity: 220 grams	
			· Minimum display: 0.1 mg	
			· Repeatability (standard deviation, s): 0.1 mg	
			· Linearity: ±0.2 mg	
			· Response time: 2 sec	
			· Minimum weight: 200mg	
			· Body dimension: 212 mm(W) X 367 mm(D) x 345 mm(H)	
			· Pan size: 91 mm diameter	
			· Power requirement: 100 V to 240 V	
			· Output terminal: RS232 and USB	
			· Built-in calibration	
			· Built-in buffer solutions preparations for HPLC / UFLC	
3	1	unit	SAFETY EQUIPMENT (CHEMICAL STORAGE CABINET)	
			4 Gallon capacity , Size Extension	
			W*D*H (mm) 435*435*630 Internal 352*352*483	
			shelves: 1 , single door , manual close	

			General Features/ Description	
			✓ FM Approvals certified, comply with NFPA & OSHA regulations.	
			✓ Heavy-duty steel construction.	
			✓ Lead-free epoxy powder coating finish.	
			✓ Double wall construction with 38mm air space efficiently isolates from combustion.	
			✓ Galvanized steel shelves.	
			✓ 3-point self-latching doors with all non-spark latching.	
			✓ Paddle handle locking latch.	
			✓ 1.2mm cold-rolled continuous piano hinge.	
			✓ Adjustable zinc plated leveling feet.	
			✓ Dual 2" vents with caps and flame arrester placed at both side of cabinets.	
			✓ Large warning label.	
			✓ Static grounding wire (UL listed).	
			✓ 2-inch-deep leak-tight containment sump.	
4	1	unit	SAFETY EQUIPMENT (CHEMICAL STORAGE CABINET)	
			12 Gallon capacity , Size Extension	
			W*D*H (mm) 595*460*960 Internal 512*377*813	
			shelves: 1 , single door , self close	
			General Features/ Description	
			✓ FM Approvals certified, comply with NFPA & OSHA regulations.	
			✓ Heavy-duty steel construction.	
			✓ Lead-free epoxy powder coating finish.	
			✓ Double wall construction with 38mm air space efficiently isolates from combustion.	
			✓ Galvanized steel shelves.	
			✓ 3-point self-latching doors with all non-spark latching.	
			✓ Paddle handle locking latch.	
			✓ 1.2mm cold-rolled continuous piano hinge.	
			✓ Adjustable zinc plated leveling feet.	
			✓ Dual 2" vents with caps and flame arrester placed at both side of cabinets.	
			✓ Large warning label.	
			✓ Static grounding wire (UL listed).	

			✓ 2-inch-deep leak-tight containment sump.	
5	2	units	SAFETY EQUIPMENT (CHEMICAL STORAGE CABINET)	
			54 Gallon capacity , Size Extension	
			W*D*H (mm) 595*860*1720 Internal 512*777*1573	
			shelves: 3 , single door self close	
			General Features/ Description	
			✓ FM Approvals certified, comply with NFPA & OSHA regulations.	
			✓ Heavy-duty steel construction.	
			✓ Lead-free epoxy powder coating finish.	
			✓ Double wall construction with 38mm air space efficiently isolates from combustion.	
			✓ Galvanized steel shelves.	
			✓ 3-point self-latching doors with all non-spark latching.	
			✓ Paddle handle locking latch.	
			✓ 1.2mm cold-rolled continuous piano hinge.	
			✓ Adjustable zinc plated leveling feet.	
			✓ Dual 2" vents with caps and flame arrester placed at both side of cabinets.	
			✓ Large warning label.	
			✓ Static grounding wire (UL listed).	
			✓ 2-inch-deep leak-tight containment sump.	
6	2	units	SAFETY EQUIPMENT (CHEMICAL STORAGE CABINET)	
			90 Gallon capacity , Size Extension	
			W*D*H (mm) 1090*860*1720 Internal 1077*777*1573	
			shelves: 2 , double door self close	
			General Features/ Description	
			✓ FM Approvals certified, comply with NFPA & OSHA regulations.	
			✓ Heavy-duty steel construction.	
			✓ Lead-free epoxy powder coating finish.	
			✓ Double wall construction with 38mm air space efficiently isolates from combustion.	
			✓ Galvanized steel shelves.	
			✓ 3-point self-latching doors with all non-spark latching.	
			✓ Paddle handle locking latch.	

			✓ 1.2mm cold-rolled continuous piano hinge.	
			✓ Adjustable zinc plated leveling feet.	
			✓ Dual 2" vents with caps and flame arrester placed at both side of cabinets.	
			✓ Large warning label.	
			✓ Static grounding wire (UL listed).	
			✓ 2-inch-deep leak-tight containment sump.	

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

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

AFFIDAVIT

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

1. [Select one, delete the other:]

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

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

2. [Select one, delete the other:]

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

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

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

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

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

6. [Select one, delete the rest:]

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

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

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

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

7. [Name of Bidder] complies with existing labor laws and standards; and

8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

Technical Documents

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

Financial Documents

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

Capacity (NFCC);

or

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

Class “B” Documents

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

or

duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

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

- ☐ (n) *[For foreign bidders claiming by reason of their country’s extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- ☐ (o) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

25 FINANCIAL COMPONENT ENVELOPE

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

