



Republic of the Philippine
TARLAC STATE UNIVERSITY
Romulo Blvd., San Vicente, Tarlac City
Tel. No.: (045) 982 4630
Website: www.tsu.edu.ph

Bidding Documents

(This Bidding Documents is in conformance with the Sixth Edition of the Philippine Bidding Documents for the Procurement of Goods)

For the Project

Supply and Delivery of Laboratory Equipment (APP 2025 – 1st Quarter)

**With an Approved Budget for the Contract (ABC) of
Ten Million Five Hundred Ninety-Five Thousand Pesos
(₱ 10,595,000.00)**

**Invitation to Bid No. Goods 2025-023
PhilGEPS Reference No.: 12105023**

**July 2020
6th Edition**

TABLE OF CONTENTS

Glossary of Acronyms, Terms, and Abbreviations	1
Section I. Invitation to Bid	4
Section II. Instructions to Bidders	6
1. Scope of Bid	6
2. Funding Information	6
3. Bidding Requirements	6
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	6
5. Eligible Bidders	6
6. Origin of Goods	7
7. Subcontracts	7
8. Pre-Bid Conference	7
9. Clarification and Amendment of Bidding Documents	7
10. Documents Comprising the Bid: Eligibility and Technical Components	7
11. Documents Comprising the Bid: Financial Component	7
12. Bid Prices	8
13. Bid and Payment Currencies	8
14. Bid Security	8
15. Sealing and Marking of Bids	8
16. Deadline for Submission of Bids	9
17. Opening and Preliminary Examination of Bids	9
18. Domestic Preference	9
19. Detailed Evaluation and Comparison of Bids	9
20. Post Qualification	10
21. Signing of the Contract	10
Section III. Bid Data Sheet	11
Section IV. General Conditions of Contract	12
1. Scope of Contract	12
2. Advance Payment and Terms of Payment	12
3. Performance Security	12
4. Inspection and Tests	12
5. Warranty	12
6. Liability of the Supplier	13
Section V. Special Conditions of Contract	14
Section VI. Schedule of Requirements	16
Section VII. Technical Specifications	17
Section VIII. Checklist of Technical and Financial Documents	19
Section IX. Bidding Forms	20

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



Republic of the Philippine
TARLAC STATE UNIVERSITY
Romulo Blvd., San Vicente, Tarlac City
Tel. No.: (045) 982 4630
Website: www.tsu.edu.ph

INVITATION TO BID

For the Project

Supply and Delivery of Laboratory Equipment
(APP 2025 – 1st Quarter)

Invitation to Bid No. Goods 2025-023

1. The Tarlac State University, through Special Budget Fund intends to apply the sum of **Ten Million Five Hundred Ninety-Five Thousand Pesos (₱ 10,595,000.00)** to payments under the contracts for the project: **Supply and Delivery of Laboratory Equipment (APP 2025 – 1st Quarter)**.

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

Item No.	Description	Qty.	Unit	ABC, ₱
1.	96 Microplate Absorbance Reader	1	set	750,000.00
2.	Analytical Balance	2	unit	500,000.00
3.	Biological Trinocular Compound Microscope	1	unit	240,000.00
4.	Biosafety Cabinet	1	unit	750,000.00
5.	Buchner Funnel Filtration Set with Pump	1	set	80,000.00
6.	Chemical Cart	2	unit	100,000.00
7.	Digital Binocular Microscope with Camera and Display (Tablet)	1	set	350,000.00
8.	Ductless Filtering Fume Hood	1	unit	800,000.00
9.	General Purpose Water Bath	1	unit	170,000.00
10.	Horizontal Flour Mixing Machine	1	unit	200,000.00
11.	Hot Plate Stirrer	1	unit	60,000.00
12.	Hotplate Stirrer	1	unit	115,000.00
13.	Incubator	1	unit	210,000.00
14.	Laboratory Freezer	1	unit	320,000.00
15.	Laboratory Refrigerator	1	unit	130,000.00
16.	Laboratory Table Set Up	1	lot	250,000.00
17.	Microcentrifuge With Fixed-Angle Rotor	1	unit	300,000.00

18.	Microvolume UV-VIS Spectrophotometer, with Compatible Printer, Bluetooth Keyboard Mouse and Barcode Reader Equipped with Bluetooth and Wi-Fi	1	unit	965,000.00
19.	Page Apparatus (Vertical) with Power Supply	1	unit	130,000.00
20.	Ph Benchtop Meter	2	unit	180,000.00
21.	Pipettor Set	2	set	240,000.00
22.	Powder Granule Mixing Machine	1	unit	220,000.00
23.	Refractometer	1	unit	130,000.00
24.	Retarder Proofer	1	unit	130,000.00
25.	Small Retort Machine	1	unit	650,000.00
26.	Stainless Steel Kitchen Table	6	unit	1,200,000.00
27.	Tabletop Portable Dough Sheeter	1	unit	100,000.00
28.	Thermal Cycler	1	set	1,200,000.00
29.	Vegetable Spin Drier Machine	1	unit	50,000.00
30.	Vortex Mixer, With Attachment Accessories	1	unit	75,000.00
Total ABC:				10,595,000.00

- The Tarlac State University now invites bids for the project **Supply and Delivery of Laboratory Equipment (APP 2025 – 1st Quarter)**. Delivery of the Goods is required within **sixty (60) calendar days** from the receipt of the Notice to Proceed. Bidders must have completed, within the last five (5) years prior to 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) 9184, otherwise known as the “Government Procurement Reform Act”.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

- Interested bidders may obtain further information from **Tarlac State University** and inspect the Bidding Documents at the address given below during Tuesday to Friday from 7:00 A.M. to 6:00 P.M:

BAC Secretariat
Motorpool and Administration Building
Tarlac State University
Romulo Blvd., San Vicente, Tarlac City
Tel. No. (045) 606-8110-142 / 0998 846 0206
Email: tsubacsec2025@gmail.com

- A complete set of Bidding Documents may be acquired by interested Bidders from **June 17, 2025, to July 8, 2025**, from the aforementioned address upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **₱ 10,000.00**.

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

6. The Tarlac State University will hold a Pre-Bid Conference on **June 25, 2025 (2:00 P.M.)** at the Bids and Awards Committee Conference Room, 3rd Floor, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City, which shall be open to prospective bidders.
7. Three (3) copies of the bid proposals (one original, and additional copy 1 and 2) must be submitted to the BAC which must be duly received by the BAC Secretariat through manual submission at the office address indicated in the bidding documents, on **July 8, 2025 at 1:30 P.M.** Failure of bidders to comply with the said request of additional copies shall not be a ground for disqualification.

Late submission shall not be accepted.

BAC Secretariat
 Motorpool and Administration Building
 Tarlac State University
 Romulo Blvd., San Vicente, Tarlac City
 Tel. No. (045) 606-8110-142 / 0998 846 0206
 Email: **tsubacsec2025@gmail.com**

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 **July 8, 2025 at 2:00 P.M.**, at the Bids and Awards Committee Conference Room, 3rd Floor, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City. Bids will be opened in the presence of the bidders’ representatives who choose to attend at the address below.
10. The Summary of the procurement activities is as follows:

Activities	Date and Time	Venue
Posted to PhilGEPS	June 17, 2025	N/A
Pre-Bid Conference	June 25, 2025 (2:00 PM)	BAC Conference Room, 3 rd Floor, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City
Deadline of Submission of Bids	July 8, 2025 (1:30 PM)	Procurement Office- BAC Secretariat, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City
Opening of Bids	July 8, 2025 (2:00 PM)	BAC Conference Room, 3 rd Floor, Motorpool and Administration Building, Tarlac State University, Romulo Blvd., San Vicente, Tarlac City

11. The Tarlac State University reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 Revised IRR of RA 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

Ms. Jhenna Micah A. Manankil
 BAC Secretariat
 Motorpool and Administration Building
 Tarlac State University
 Romulo Blvd., San Vicente, Tarlac City
 Tel. No. (045) 606-8110-142 / 0998 846 0206

Email: tsubacsec2025@gmail.com

(SGD) ATTY. WILMARK J. RAMOS, *DBA*
BAC Chairperson – Goods and Services

Section II. Instructions to Bidders

1. Scope of Bid

1.1. The Tarlac State University wishes to receive Bids for the project: **Supply and Delivery of Laboratory Equipment (APP 2025 – 1st Quarter)**, with identification number **Invitation to Bid No. Goods 2025-023**.

1.2. The procurement project (referred to herein as “Project”) is composed of **thirty (30) line items** the details of which are described in Section VII. Technical Specifications.

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2025** in the amount of **₱ 10,595,000.00**

2.2. The source of funding is the **Special Budget**.

3. Bidding Requirements

3.1. 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.

3.2. 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.

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder must have a SLCC that is similar to the Project, as described in the **BDS**, with a value, adjusted to current prices using the PSA’s CPI, that is at least equivalent to **fifty percent (50%) of the total ABC for the project**.

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 subcontracting is not allowed

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and at the address 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 five (5) years** prior to the deadline for the submission and receipt of bids.

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

11. Documents comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII. Checklist of Technical and Financial Documents**.

11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

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

13. Bid and Payment Currencies

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

13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration 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 **October 29, 2025**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

15.1. Each Bidder shall submit one copy of the first and second components of its Bid.

15.2. 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.

15.3. If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be

digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items are indicated in **Section VII. Technical Specifications**, and 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 one project having several items that shall be awarded as separate contracts.**
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

ITB Clause																																																																	
5.3	For this purpose, contracts similar to the Project shall be the supply and delivery of similar goods comprising the Project.																																																																
7.1	No further instructions.																																																																
12	The price of the Goods shall be quoted DDP Tarlac City, Philippines 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> <p>a. The amount of not less than two percent (2 %) of ABC, if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit; or</p> <p>b. The amount of not less than five percent (5 %) of ABC if bid security is in Surety Bond.</p>																																																																
19.3	<p>The ABC for the project is</p> <table><tr><th>Item No.</th><th>ABC, ₱</th></tr><tr><td>1.</td><td>750,000.00</td></tr><tr><td>2.</td><td>500,000.00</td></tr><tr><td>3.</td><td>240,000.00</td></tr><tr><td>4.</td><td>750,000.00</td></tr><tr><td>5.</td><td>80,000.00</td></tr><tr><td>6.</td><td>100,000.00</td></tr><tr><td>7.</td><td>350,000.00</td></tr><tr><td>8.</td><td>800,000.00</td></tr><tr><td>9.</td><td>170,000.00</td></tr><tr><td>10.</td><td>200,000.00</td></tr><tr><td>11.</td><td>60,000.00</td></tr><tr><td>12.</td><td>115,000.00</td></tr><tr><td>13.</td><td>210,000.00</td></tr><tr><td>14.</td><td>320,000.00</td></tr><tr><td>15.</td><td>130,000.00</td></tr><tr><td>16.</td><td>250,000.00</td></tr><tr><td>17.</td><td>300,000.00</td></tr><tr><td>18.</td><td>965,000.00</td></tr><tr><td>19.</td><td>130,000.00</td></tr><tr><td>20.</td><td>180,000.00</td></tr><tr><td>21.</td><td>240,000.00</td></tr><tr><td>22.</td><td>220,000.00</td></tr><tr><td>23.</td><td>130,000.00</td></tr><tr><td>24.</td><td>130,000.00</td></tr><tr><td>25.</td><td>650,000.00</td></tr><tr><td>26.</td><td>1,200,000.00</td></tr><tr><td>27.</td><td>100,000.00</td></tr><tr><td>28.</td><td>1,200,000.00</td></tr><tr><td>29.</td><td>50,000.00</td></tr><tr><td>30.</td><td>75,000.00</td></tr><tr><td>Total ABC</td><td>10,595,000.00</td></tr></table>	Item No.	ABC, ₱	1.	750,000.00	2.	500,000.00	3.	240,000.00	4.	750,000.00	5.	80,000.00	6.	100,000.00	7.	350,000.00	8.	800,000.00	9.	170,000.00	10.	200,000.00	11.	60,000.00	12.	115,000.00	13.	210,000.00	14.	320,000.00	15.	130,000.00	16.	250,000.00	17.	300,000.00	18.	965,000.00	19.	130,000.00	20.	180,000.00	21.	240,000.00	22.	220,000.00	23.	130,000.00	24.	130,000.00	25.	650,000.00	26.	1,200,000.00	27.	100,000.00	28.	1,200,000.00	29.	50,000.00	30.	75,000.00	Total ABC	10,595,000.00
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Section IV. General Conditions of Contract

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

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

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project 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

GCC Clause	
1	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery terms applicable to this Contract are delivered to Tarlac State University, Romulo Blvd., San Vicente, Tarlac City. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their 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>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>
4	<p>The inspections and tests that will be conducted are: visual and sensory inspection and test.</p>

Section VI. Schedule of Requirements

The delivery date for the Goods covered by the Contract shall be within **sixty (60)** calendar days upon receipt of the Notice to Proceed.

Section VII. Technical Specifications

Item No.	Description
Laboratory Equipment	
1.	96 MICROPLATE ABSORBANCE READER, "96 MICROPLATE ABSORBANCE READER - Control and Display: 7 inch touch screen (800 x 480 pixels); Light Source: Quartz-halogen lamp 6V/10W; Wavelength Range: 340-750nm (405, 450, 492 and 630 nm filters included); Half-Bandwidth of filter : 3~9nm; Readout Range: 0~4.000 Abs; Linearity (405nm): 0~2.000 Abs <+1%, 0~4.000 Abs <+2%; Precision: CV</= 0.2% (0-3) Abs, CV</= 01.0% (3-4) Abs; Test Speed: <6 sec. for 96 well plate; IncubatoR: No; Shaking: 3 modes: slow, medium, fast; User InterfacE: Integrated software, touch screen control; Storage: 200 programs, 100,000 test records; Ports: USB ports for PC, printer, mouse and flash drive; Dimensions: 295 x 440 x 225 mm (11.6 x 17 x 8.75"); Weight:10 kg; with complete filters"Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.
2.	ANALYTICAL BALANCE, Application Programs: Weighing, Dosing, Counting, Percentage weighing, Net total, Totalizing, Animal weighing, Calculation, Density, Statistics, Peakhold, Checkweighing, Mass unit conversion and Underfloor weighing; Draft Shield: Manual; Leveting: Manual; Linearity: 0.2 mg; Relative humidity at temperatures up to 31 deg * C non-condensing, then linear decrease from max. 80% at 31 deg * C to max. 50% at 40 deg * C 15-80%; Operating Conditions: Temperature: 10 - 30 deg * C Repeatability: 0.1 mg; Sensitivity Drift between 10 deg * C and 30 deg * C plus/minus 1.5 ppm/K; Typical Stabilization Time: ≤1.0 s-Underfloor Weighing: Yes; Weighing Chamber Height: 240 mm-Display: LED screen with touch technology; Maximum Weighing Capacity: 220 g-Readability: 0.1 mg: Weighing Pan Dimensions: 90-120 mm; Data Interface: RS232; Weighing Units: miligram,Gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, Taiwan tael, grain, pennyweights, milligram, parts per pound, China tael, mommes, Austrian carat, tola, baht, mesghal and Newton; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.
3.	BIOLOGICAL TRINOCULAR COMPOUND MICROSCOPE, 40X-1600X Magnification with Sledentopf Head+ 9.7" Touchscreen Imaging System includes: One trinocular microscope head, One microscope body, Four objective lenses: 4X, 10X, 40X, 100X, One pair 10X eyepieces, One blue color filter, One dust cover, One sample immersion oil, One tablet with integrated camera, One AC adapter (US and Canada standard), One 0.5X C-mount reduction lens; Optical System: Finite-conjugate; Mechanical Tube Length: 160mm; Head: Trinocular, 30° incline, 360° rotatable; Ocular Diameter: 23mm; Ocular Diopters: left ocular, Photo Port: height-adjustable 23mm tube; Power 220V; Condenser Design: Abbe-Rack & Pinion w/ diaphragm; Condenser Optics: NA 1.25; Condenser Type: Brightfield; Eyepiece Mounting Size: 23mm; Field of View Class: Widefield; Head Style: Trinocular; Illumination Bulb Count: 1; Illumination Power: 1W; Illumination Style: Transmitted (Bottom); Illumination Type: LED; With Iris; Magnification: 40X-1600X; Magnification Type: Multi-Power; Objective Lens Power: 4X, 10X, 40%, 100X; Objective Mounting Size: 20mm; Tablet Specifications: OS: Android 4.1.1;

	<p>CPU:1.8GHz; Memory: 2GB (DDR3); Internal Storage: 2GB; External Storage: MicroSD (TF) 32GB max, USB; Screen Size (diagonal): 9.7"; Display Resolution: 2048 x 1536; Display Mount: 360° rotation, 90° tilt; Sensor Type: CMOS; Active Pixels: 5M (2592 x 1944); Shutter: electronic rolling shutter; Photo Capture Resolution:2592 x 1944, 2048 x 1536, 1600 x 1200; Video Capture Resolution and Maximum Framerate:15fps @ 2048x1536; Connectivity: Micro HDMI; USB 2.0; Wi-Fi; Lens-mount: C-mount; Power: 220V Certificate of Distributorship from Manufacturer; Optics: Achromatic; Power Compatibility: Wide Band; Two-layer Mechanical Stage; Training Certificate of Service Engineer from Manufacturer; installation and Commissioning on Site; Hand on Training to End Users with Certificate; with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.</p>
4.	<p>BIOSAFETY CABINET, NSF Certified Class II Specifications: External Dimensions (mm): 1354x764x1260; Frontal Opening Height (mm): 182; Laminar Flow Speed (m/s): 0.35; Laminar Flow Rate (m3/h): 882; Front Entry Speed (m/s): 0.55; Extraction Flow Rate (m3/h) :402 Sound (dBA): <58; Lighting (lux): >1.000; Working Consumption (kw): 0.125; Weight (kg): 200; Filters HEPA H14 filters according to EN 1822; Air Quality ISO 4 in accordance with ISO CD 14644-1; EC fans installed- reducing energy consumption; LED Lighting-better more uniform illuminations and reducing energy consumption; Reinforced mechanism for window opening-Gas spring installed; UV light installed in standard configuration, with timer to be to programable; Compact design-overall height 1260 mm; 10° sloped front window for better working position; V-shaped air slits; 304L stainless Steel chamber with rounded angles; Hardened security glass sides with UV protection; Hermetically closable sealing around front window; Security anti-reflective front window with UV protection; Microprocessor control; Control panel slightly turned to the user to maximize visibility and accessibility; Control panel with international color code indicating cabinet status-acoustic and visual alarms; Main screen in control panel showing laminar Flow speed and filter clogging level; Eco mode function; Easy access to all maintenance areas via front side of the cabinet.; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker, Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>
5.	<p>BUCHNER FUNNEL FILTRATION SET WITH PUMP, 1000mL- 80-120mm size Ceramic/porcelain buchner funnel with rubber stopper and 1 meter vacuum hose; 1000 ml borosilicate filtering flask; 80-120mm circular filter paper with similar size to funnel; Vacuum pump- oil-free low noise with gauge for vacuum pressure monitoring and manual vacuum control</p>
6.	<p>CHEMICAL CART, Fully assembled from 18-gauge, 1-inch square steel tubing; Have 4-inch diameter casters which absorb vibration over rough, uneven floors. Two have toe-locks.; Electrostatically coated tubular steel, with tough, corrosion-resistant epoxy that will not scratch or mar doorways, walls or equipment; Rigid PVC extrusions on two sides prevent containers from sliding off. The lower shelf also has rigid plastic guard rails on both ends.; Ergonomic, extruded rubber handle grips; Equipped with two fixed shelves 32 1/2" x 19" x 1/4" thick, of phenolic board with melamine laminated surfaces, resistant to staining, acids, alkalis and heat; Height to upper shelf 32, height to lower shelf 13 5/8", clearance between shelves is 17 1/4".</p>
7.	<p>DIGITAL BINOCULAR MICROSCOPE WITH CAMERA AND DISPLAY (TABLET) compound microscope ideal for college laboratories, veterinary and medical applications. Supplied with trinocular head, WiFi camera with bracket, and 8" tablet, incorporates 3W LED illumination and wide field 20mm eyepieces. Tablet is capable</p>

	of sharing images using its advanced WiFi system, includes live image viewing app. full resolution imaging technology. Can be use as a conventional microscope or share live images using WiFi tablets and wireless laptops. Connect up to five devices.
8.	<p>DUCTLESS FILTERING FUME HOOD,</p> <p>Meets AFNOR NF X 15 211/ANSI Z9.5-2012 filtration efficiency standard (class 1 and 2); two carbon filtration for gases and vapours (AS: For organic vapours BE+:Polyvalent for acid + organic vapours F:For formaldehyde vapours K:For ammonia vapours); Sensors that detect filter breakthrough of solvents, acids or formaldehyde - Safety back up filter in case of main filter saturation - Continuous monitoring of Air face velocity; No ductwork needed to allows users to move the hood anywhere; Air Flow: 440 m3/h-259 CFM; Air Face Velocity:0.4 to 0.6 m/s-79 fpm to 118 fpm; Voltage/Frequency: 220V/50-60 Hz; Power consumption: 105 W; Structure: Corrosion resistant electro-galvanized steel coated with anti-acid polymer; Side and front panels: Chemical resistant acrylic Filtration module Polypropylene; Communication interface: Simple communication by audible and light pulses: air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm; Filtration technology: 2 columns that can be configured to handle liquids, powders, or both Carbon filtration for gases and vapors; Mobile APP for remote control to monitor the hood and deliver safety alerts immediately to your devices (mobile, tablet and PC); Internal lighting: LED lighting > 650 Lux; Anemometer: Air face velocity alarm; Accessories: Work Surfaces: Tempered; Molecode: Detection sensor for: Type S, for solvents/Type A, for acids / Type F, for formaldehyde Benches: Mobile rolling cart; Particulate Pre-filter: Protects the main filter(s) from dust; Transparent Back Panel: Clear acrylic panel for easy viewing; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Before installation with proper communication on total height of the equipment and height of the working area; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>
9.	<p>GENERAL PURPOSE WATER BATH,</p> <p>20 LITERS-Specifications: Gen. Purpose Water Bath, Digital, 20 L; Display: Full-color TFT; Languages Supported: French, German, Spanish, Chinese, English; Working Temperature Range °C: Ambient +5° to 100 °; Temperature Stability °C : plus/minus 0.1 deg Temperature Calibration Capability: 1- point; Working Access (LWD) cm): 24.1 * 43.2 * 15.2 Flammability Class; Displays actual and set point temperature simultaneously, Programmable pre-sets for frequently used temperatures; Integrated timer; Primary and automatic safety thermostats Also compatible with waterless bath beads; Working Temperature Range °F: Ambient + 10 ^ = to 212 deg Working Temperature Range °C: Ambient 5 deg to 100 deg : Reservoir Capacity (gallons): 5.28; Reservoir Capacity (liters): 20; Reservoir/Tank Material: Stainless Steel; Reservoir Cover: Hinged Gable; Working Access (LWD) (inches) 9.5 * 17 * 6 Working Access (LWD) (cm): 24.1 * 43.2 * 15.2 Temperature Stability ° F / (plus/minus 0.2 deg) Temperature Stability °C: ±0.1° Display: Full-color TFT; Flammability Class (DIN 12876-1) I (NFL); Over-Temperature Protection/Failsafe Heater Control: Yes; Reservoir Drain: Yes; Maximum Ambient Temperature °F: 104 deg Maximum Ambient Temperature °C: 40 deg Overall Dimensions (LWH) inches) 15.1 * 22.5 * 15.1 Overall Dimensions (LWH) cm): 38.4 * 57.2 * 38.4; Shipping Weight (pounds): 25.0; Shipping Weight (kilograms): 11.3; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>

10.	HORIZONTAL FLOUR MIXING MACHINE, Warranty: 1 Year, Dimension(L*W*H): 1500*1100*1600mm, Power: 20600, Weight: 750kg, Voltage: 380v"
11.	HOT PLATE STIRRER, Ceramic. Temp range: Ambient to 540°C; Frequency: 50/60 Hz; Dimensions (HxLxW): 9.7x33x20.8 cm; Shape: Square; Stirring Range: 50 to 1500 rpm; Voltage: 220 V; Warranty: at least 3 Years
12.	HOTPLATE STIRRER, Number of stirring positions 1; Stirring quantity max. per stirring position (H2O) [l] 10; Motor rating output [W] 1.5; Direction of rotation left Speed control scale 0-6; Speed range [rpm] 100-1500; Stirring bar length max. [mm] 80; Heat output [W] 1000; Heating temperature range [°C] 50-500; Heat control LED Heating rate heating plate [K/min] 5 Connection for ext. temperature sensor ETS-D5; Fixed safety circuit [°C] 550; Set-up plate material ceramic; Set-up plate dimensions [mm] 180 x 180 Dimensions (W x H x D) [mm] 220 x 105 x 330 Weight [kg] 5; Permissible ambient temperature [°C] 5-40; Permissible relative humidity [%] 80; Protection class according to DIN EN 60529 IP 21; Voltage [V] 230/120/100; Frequency [Hz] 50/60; Power input [W] 1020; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.
13.	INCUBATOR, Performance Data Temperature; Temperature range 5 deg * C above ambient temperature to [°C]: 100; Temperature variation at 37 °C [K]: 0.4; Temperature fluctuation at 37 °C [K]: 0.1; Heating-up time to 37 deg * C [min]: 55; Electrical data: Rated Voltage [V]: 230; Power frequency [Hz]: 50/60; Nominal power [kW]: 0.35; Unit fuse [A]: 6.3; Phase (Nominal voltage): 1-; Measures: Interior volume [L]: 115; Measures - Doors; Unit doors: 1; Measures Internal Dimensions Width [mm]: 510 Height [mm]: 530 Depth [mm]: 420; Measures - Outer dimensions Width net [mm]:710 Height net [mm]: 735 Depth net [mm]: 605; Wall clearance sidewise [mm]: 100; Wall clearance back [mm]: 160; Environment-specific data; Energy consumption at 37 deg * C 25 Wh/h Fixtures; Number of shelves (standard/ maximum): 2/5; Features: Temperature range: ambient temperature plus 5 deg * C to 100 deg * C High temperature accuracy thanks to APT.line technology; Natural convection; Controller with LCD display; Electromechanical control of the exhaust air flap; Inner door made of tempered safety glass; 2 chrome-plated racks; Stackable; Class 3.1 integrated independent temperature safety device with visual alarm; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.
14.	LABORATORY FREEZER, External Size(W*D*H) mm: 775*720*1900; Capacity: 400L; Type: Vertical; Temp. Range: -10°C~-25°C; Temp. Accuracy: 0.1°C; Control System: Microprocessor control; Alarm: alarm and low battery alarm, sensor failure alarm; Open door alarm; High or low temperature alarm; Refrigeration Type: Direct refrigeration; Refrigerant: R134a, CFC free; Condenser & Evaporator: Wire tube; Construction Structure: Unibody; design and thickened environmental protection foam insulation; Internal Material: ABS Material; External Material: Cold-rolled steel coated with anti-bacteria powder; Shelf/Drawer: 6 shelves; Consumption: 330W; Power Supply: AC220V±10%;50HZ; Package Size(W*D*H) mm: 780-840*2008; Gross Weight: 105kg; Additional: Certificate of Distributorship from Manufacturer, Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning

	on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.
15.	<p>LABORATORY REFRIGERATOR,</p> <p>External Size (W ^ * D ^ * H) mm: 620-575-1980; Capacity: 310L; Temp. Range: 2-8 degree Celsius; Temp. Accuracy: 0.1 degree Celsius; Control System: Microprocessor; Control, Large Screen LED Display; Alarm: Audible and visual alarm for: High and low temperature, Power failure alarm, Sensor failure, Door; Refrigeration Type: Forced Air refrigeration system: Refrigerant: R600a, CFC Free; Condenser & Evaporator: Bundy Tube Condenser; Defrost: Auto defrost; Door: glass door with heat reflection film; Construction: Structure Unibody design and Mono assembly foaming (Rigid polyurethane insulation material); Internal Material: embossed aluminum sheet; sheet; External Material: PCM; Shelves: 5pcs; Consumption: 180W; Power Supply: AC110/220, 50/60Hz; Standard Accessory: LED lamp, shelves, door keys, USB port; Optional Accessory: Temperature recorder; Package Size (W ^ * D ^ * H) mm: 700*650*2030; Gross weight: 84kg; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>
16.	<p>LABORATORY TABLE SET UP,</p> <p>At least 2-piece set up, for movement/vibration sentive equipment and moving/spinning equipment, Precise measurement of the work area; Regular meetings with a design team to tailor the table to user specific needs, including features like sinks and storage. Table includes: Integrated Sink and Plumbing; Durable Surface: Phenolic resin with edges sealed; Sturdy Frame: Powder-coated steel frame, capable of supporting high loads, typically up to 1,000 pounds; Integrated cabinets and drawers; Adjustable shelving units above the work surface; Multiple integrated power outlets, including USB ports; Data ports or network connections integrated into the table, ensuring connectivity for lab equipment or computers; Emergency shut-off switches to cut power to the table in case of a safety breach; Modular components that can be rearranged as needed for different lab setups. Installation and Commissioning on Site; Warranty: One (1) Year on Parts and on Service under normal use.</p>
17.	<p>MICROCENTRIFUGE WITH FIXED-ANGLE ROTOR,</p> <p>For 24 x 1.5-2ml and fixed-angle for PCR strips 16 x 0.2ml PCR tube-organized and big LCD display, overspeed monitoring: up to 10 programs selection; Zero-maintenance motor, Compact microcentrifuge; Maximum capacity: 24 * 2 m; Motorized lid lock; Window in lid for external speed monitoring, Short acceleration and braking times; Maximum RCF of 16,163 x g; Inclination angle of Rotor (outer/inner): 32/53 degrees: Specifications: Speed range (rpm): 14,800; Speed increment (rpm): 100; Max RCF (xg): 16,163; RCF Increment (xg): 10; Minimum Speed: 200 rpm; Noise level at maximum speed (approx.) [dB(A)] ;<=54; Timer (s; min: s): 10-99:59; Time increment: 1 second; Maximum Acceleration time: ≤ 15 seconds; Maximum Braking Time: ≤ 12 seconds; Power Consumption: 95 Watts; Height x width x depth: 176 x 266 * 212 mm-Height with open lid: 310 mm; Weight without Rotor: 6 kg; With accessories: Fixed- angle rotor for spin column kits; Max. capacity: 12 * 2ml Max. speed (1-14/1-14K): 14,800/15,000 rpm; Max. RCF (1-14/1-14K): 15,183/15,596 x g; Sealable with polysulphone lid; Tmin at maximum speed: < 4 deg * C ; Angle: 45 deg Fixed-angle rotor for PCR Strip; Max. capacity: 16 * 0.21 PCR tubes; Max. speed (1-14/1-14K): 14,800/15,000 rpm; Max. RCF (1-14/1-14K): 11.755/12074 * g = Closable with polysulphone lid; Tmin at maximum speed: < 4 deg * C ; Angle: 45; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; installation and Commissioning on Site; Hand on Training to End Users with Certificate with</p>

	Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use
18.	<p>MICROVOLUME UV-VIS SPECTROPHOTOMETER, WITH COMPATIBLE PRINTER, BLUETOOTH KEYBOARD MOUSE AND BARCODE READER EQUIPPED WITH BLUETOOTH AND WI-FI</p> <p>Concentration:dsDNA : Pedestal: 27, 500ng / μ * L BSA (IgG): Pedestal: 820 (400) mg/mL; Connections: Three USB-A ports, Ethernet, Bluetooth™ and Wi-Fi; Detection Range: dsDNA: Pedestal: 2ng / μ * L Cuvette: 0.2ng / μ * L BSA (IgG): Pedestal: 0.06 (0.03) * mg / m * L Cuvette: 0.006 (0.003) mg/mL; Detector Type; 2048-element CMOS Linear Image Sensor; Display: 7 in. High Definition Color Display, 1280 x 800 pixels; Dimensions:); Languages: English, others; (LWH) * 20 * 25.4 * 32.3cm (8*10*12.7 in Light Source: Xenon Flashnm FWHM at Hg 254 nm); Voltage: 12 VDC: Wavelength Range: 190 to 850 nm; For Use With (Application) Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids;, Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Labeled Proteins, OD600, Kinetics, UV-Vis, and Custom Methods; Keypad: Built-in touchscreen, multipoint capacitive touch; Measurement Time: 8 seconds; Pathlength: 0.030 to 1.0 mm (auto-ranging); Photometric Accuracy: 3% at 0.97 A, 302 nm, (Absorbance expressed at Abs/mm at 25 deg * C ; Photometric Range: 10 mm equivalent: Pedestal: 0-550 A; Cuvette: 0-1.5 A; Power Consumption: Operating: 12 to 18 W; Standby: 5 W; Processor: Android"; Repeatability Typical: 0.002 A (1.0 mm path) or 1%CV, whichever is greater (SD of 10 individual measurements at 0.97 A); Sample Temperature: Temperature Control (cuvette only) 37 deg * C Sample Volume (Metric): Minimum 1μL; System Requirements: Windows 8.1, 10 and 11, 64 bit; Wavelength Accuracy: \pm1 nm; Weight (Metric):3.6 kg; Additional: Certificate of Distributorship from Manufacturer, Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>
19.	<p>PAGE APPARATUS (VERTICAL) WITH POWER SUPPLY,</p> <p>Specifications: Unit Dimensions: 26 * 16x 16 cm. (+10%); Capacity: 1-4 gels; Maximum Sample Capacity: 192; Base Buffer Volume: 600 mL; Maximum Buffer Volume: 2,800 mL Gel; Dimensions: 18 * 8 cm.; Includes: Casting Base, Blotting Insert, 2D Insert; Plate Dimensions: 20 * 10 cm.; Mini wide format effectively allows 2 mini gels to be compared within a single gel for gel-to gel reproducibility; Run 1-2 hand cast gels; perfect for users with >20 samples to compare and resolve; Even pressure screw system prevents gel leakage; Combine pl (isoelectric point) separation with speed by resolving 2x 7cm IPG strips or 2x 8cm capillary tube gels per gel using special 2-D gel combs and plates; Ability to perform three techniques in a day: IEF, PAGE and blotting; Power Supply; Output Voltage/Inc.: 0-300v/1v; Output Current/ Inc.: 10-400ma/1ma; Output Power: 60w; Output Type: Constant Voltage Or Constant Current; Control: Microprocessor Controller; Terminal Pairs: 2 Pairs; Timer: 1~999 Minutes With Alarm Or Continuous; Safety Device: No Load Detection; Shrouded Plugs And Sockets; Unit Dimension (WxLxh): 140x191x84mm; Weight: Approx. 1 Kg; Rated Voltage: Universal, 100-240v; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>
20.	<p>PH BENCHTOP METER,</p> <p>measuring range pH-2... 16.-2000... 2000 mV.; temperature: -10... 100 °C, ISE 0... 30000 ppm; Display Graphic: LCD Display. 128 x 64 pixel, backlid storage; Calibration: 3; channels: 1; protection: IP 40; interface: USB; Power supply: external power supply5 V DC of 100-240 V. 50/60 Hz. power input: 5 Watts; Features: with</p>

	new functionality such as AutoRead and CMC; Reproducible measuring results with active AutoRead function; Simple calibration with adjustable calibration timer; user-friendly keyboard with large, easy to read LCD display; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.
21.	PIPETTOR SET, with stand, P2, P20, P200, P1000 0.2 to 2 µL (P2L), 2 to 20 µL (P20L), 20 to 200 µL (P200L), 100 to 1000 µL (P1000L), 500 to 5000 µL and 1000 to 10,000 µL, Autoclavable, Material: Polypropylene, Stainless Steel, With compatible tips in a rack; 10 racks each, Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.
22.	POWDER GRANULE MIXING MACHINE, Voltage: 380V, Power: 2.2KW, Capacity: 200kg, Rotating Speed: 15rpm, Machine Material: Stainless Steel"
23.	REFRACTOMETER, Brix refractometer- Handheld with protective case, calibration screwdriver and owner's manual; Range: 0-50% or 0-90% Brix; Resolution: 0.2-0.5%
24.	RETARDER PROOFER, Name:32 trays Bread proofer, Power: 2000w, Voltage: 220v, Temperature: 30-100 °C, Humidity: 60% -99%, Timing: 0-99min, Size: 870 * 1000 * 2000m"
25.	SMALL RETORT MACHINE, Voltage: 220V/380V, Power: 6.2kw, Weight: 260 KG, Dimension(L*W*H): 1993*1040*1842, Warranty: 2 years, Product name: Multi-functional small retort machine, Material: SS304 or 316 Stainless Steel, Design Temperature: 147 Degree Centigrade, Heating way: Boiler Steam Heating/electric, Sterilizing Type: water immersion,Feature 01: Meet ASME/CE standard."
26.	STAINLESS STEEL KITCHEN TABLE, Dimension: 2150mmL x 600mmW x 850mmH + 150mmBS; 16Ga(1.5mmthk) SS Sheet for Top Plate, Back Splash & Stiffeners; 18Ga(1.2mmthk) SS Sheet for Body Panels, Mid & Bottom Shelves; 20Ga(1.0mmthk) SS Sheet for Drawers and Door Panels; Concealed Hinges-Soft Closing; Drawer Slides"
27.	TABLETOP PORTABLE DOUGH SHEETER, Voltage: 220V/110V/380V 50Hz/60Hz, Customized: Customized, Material: Stainless Steel, Power: 1100W, Weight: 80kg, Capacity: 20L-130L, Key Selling Points: High Productivity, Packing Size: 480*830*970mm, Barrel Size: 360*215mm, Dough Weight: 8kg--100kg, Transport Package: Wooden Box, Specification: 94*49*97CM,"
28.	THERMAL CYCLER, Specifications: Unit Dimensions (cm): 24 * 42 * 25((- 10)%) Capacity: 1x 96-well plate; 12 * 8 * 0.2 mL strip tubes; 96 * 0.2mL tubes; Temperature Control: Calculated or block; Heating/Cooling Method: Peltier; Maximum Heating/Cooling Rate: 5°C 3.5 deg * C per second or better, Gradient Temperature Range: 30 - 99 deg * C temperature of each segment may be set independently (or better); Maximum Gradient Temperature Difference: 24 deg * C Lid Temperature: 30 - 115 deg * C Temperature Increments/Decrements: Yes; Time Increments/Decrements: Yes; Temperature Range: 4 * 99.9 deg * C Stability: plus/minus 0.5 deg * C or better; Uniformity: plus/minus 0.5 deg * C Input Voltage: 220V; Includes: AVR/UPS battery backup Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker, Warranty: For Equipment, Two Years on Parts and on Service under normal use.

29.	VEGETABLE SPIN DRIER MACHINE, Vegetable Spin Drier Machine, Power: 180 watts, Size: 40*40*65cm, Capacity: 8 kg per time, Function: clean vegetables, vegetables are dried, dehydrated
30.	VORTEX MIXER, WITH ATTACHMENT ACCESSORIES, (Standard, universal, one hand insert and PCR plate) - Specifications: Type of movement: orbital; Shaking stroke:4.5 mm; Permissible shaking weight (incl. attachment): 0.5 kg; Motor rating input: 10 W; Motor rating output: 8 Permissible ON time: 100% Speed

Section VIII. Bid Documents Checklist

This Bid Documents Checklist is provided to guide the Bidder in preparing his/her bid. The checklist may be used by the Bidder to verify if the Bid includes all the prescribed documents.

The Bidder, in submitting the required documents, must use the prescribed forms found in Section X. Bidding Forms. However, should a bidder choose to use a different formatting style for a required document, the bidder must ensure that the substance in the form given in Section X for that particular document is substantially captured in the equivalent document.

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

Technical Documents

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

Financial Documents

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

Class “B” Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Section IX. Bidding Forms

TABLE OF CONTENTS

A. Eligibility and Technical Documents	
b. Statement of all on-going government and private contracts, including contracts awarded but not yet started, if any	29
c. Statement of Single Largest Completed Contract (SLCC), similar to the contract to be bid, in accordance with ITB Clause 5.3	30
d. Bid Securing Declaration or Bid Security, in the form, amount and validity period, as prescribed in ITB Clause 14.1	31
e. Bidder’s Compliance to the Technical Specifications	32
f. Omnibus Sworn Statement, which shall be duly notarized	42
g. NFCC Computation	44
B. Financial Documents	
i. Financial Bid Form	45
j. Schedule of Prices	47

[*Bidder's Letterhead*]

[*Date*]

To: Tarlac State University
Re: Invitation to Bid No.

List of All Ongoing Government and Private Contracts, Including Contracts Awarded But Not Yet Started

Row 1: Name of Contract Row 2: Location of Project Row 3: Contract Price	Row 1: Procuring Entity Row 2: Contact Person/Address Row 3: Telephone No.	Description of Goods	Row 1: Date of Award Row 2: Date Started Row 3: Contract Duration	Value of Outstanding Goods

Attached herewith are the following documents: Notice of Award, Notice to Proceed, and Official Receipts/Invoices, as evidences in support of the foregoing information.

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[*Signature*]
[*Name of Bidder or Authorized Representative*]
[*Position or Title*]

[*Bidder's Letterhead*]

[*Date*]

To: Tarlac State University
Re: Invitation to Bid No.

Statement of Single Largest Completed Contract Similar to the Contract to be Bid

Row 1: Name of Contract Row 2: Location	Contract Price	Row 1: Procuring Entity Row 2: Address Row 3: Contact Person/Tel. No.	Description of Goods	Date of Award	Date Completed

Attached herewith are the following documents: Contract Agreement, Notice of Award, Notice to Proceed, Official Receipt/Invoice, Certificate of Final Inspection, and Certificate of Acceptance, as evidences in support of the foregoing information.

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[*Signature*]
[*Name of Bidder or Authorized Representative*]
[*Position or Title*]

BID SECURING DECLARATION

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

Project Invitation to Bid No.: *[Insert number]*

To: Tarlac State University

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month]* *[year]* at *[place of execution]*.

*[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]

[Bidder’s Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

Compliance to the Technical Specifications

Item No.	Description	Bidder’s Compliance State “Comply” below if your offer is complying with the specifications, otherwise state “We are offering the same goods with the following specifications [State the complete specifications of the alternative offer]
Laboratory Equipment		
1.	96 MICROPLATE ABSORBANCE READER, Control and Display: 7 inch touch screen (800 x 480 pixels); Light Source: Quartz-halogen lamp 6V/10W; Wavelength Range: 340-750nm (405, 450, 492 and 630 nm filters included); Half-Bandwidth of filter : 3~9nm; Readout Range: 0~4.000 Abs; Linearity (405nm): 0~2.000 Abs <+1%, 0~4.000 Abs <+2%; Precision: CV<= 0.2% (0-3) Abs, CV<= 01.0% (3-4) Abs; Test Speed: <6 sec. for 96 well plate; IncubatoR: No; Shaking: 3 modes: slow, medium, fast; User Interface: Integrated software, touch screen control; Storage: 200 programs, 100,000 test records; Ports: USB ports for PC, printer, mouse and flash drive; Dimensions: 295 x 440 x 225 mm (11.6 x 17 x 8.75"); Weight:10 kg; with complete filters"Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	
2.	ANALYTICAL BALANCE, Application Programs: Weighing, Dosing, Counting, Percentage weighing, Net total, Totalizing, Animal weighing, Calculation, Density, Statistics, Peakhold, Checkweighing, Mass unit conversion and Underfloor weighing; Draft Shield: Manual; Leveting: Manual; Linearity: 0.2 mg; Relative humidity at temperatures up to 31 deg * C non-condensing, then linear decrease from max. 80% at 31 deg * C to max. 50% at 40 deg * C 15-80%; Operating Conditions: Temperature: 10 - 30 deg * C Repeatability: 0.1 mg; Sensitivity Drift between 10 deg * C and 30 deg * C plus/minus 1.5 ppm/K; Typical Stabilization Time: ≤1.0 s-Underfloor Weighing: Yes; Weighing Chamber Height: 240 mm-Display: LED screen with touch technology; Maximum Weighing Capacity: 220 g-Readability: 0.1 mg: Weighing Pan Dimensions: 90-120 mm; Data Interface: RS232; Weighing Units: miligram, Gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, Taiwan tael, grain, pennyweights, milligram, parts per pound, China tael, mommes,	

	Austrian carat, tola, baht, mesghal and Newton; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	
3.	<p>BIOLOGICAL TRINOCULAR COMPOUND MICROSCOPE, 40X-1600X Magnification with Sledentopf Head+ 9.7" Touchscreen Imaging System includes: One trinocular microscope head, One microscope body, Four objective lenses: 4X, 10X, 40X, 100X, One pair 10X eyepieces, One blue color filter, One dust cover, One sample immersion oil, One tablet with integrated camera, One AC adapter (US and Canada standard), One 0.5X C-mount reduction lens; Optical System: Finite-conjugate; Mechanical Tube Length: 160mm; Head: Trinocular, 30° incline, 360° rotatable; Ocular Diameter: 23mm; Ocular Diopters: left ocular, Photo Port: height-adjustable 23mm tube; Power 220V; Condenser Design: Abbe-Rack & Pinion w/ diaphragm; Condenser Optics: NA 1.25; Condenser Type: Brightfield; Eyepiece Mounting Size: 23mm; Field of View Class: Widefield; Head Style: Trinocular; Illumination Bulb Count: 1; Illumination Power: 1W; Illumination Style: Transmitted (Bottom); Illumination Type: LED; With Iris; Magnification: 40X-1600X; Magnification Type: Multi-Power; Objective Lens Power: 4X, 10X, 40%, 100X; Objective Mounting Size: 20mm; Tablet Specifications: OS: Android 4.1.1; CPU:1.8GHz; Memory: 2GB (DDR3); Internal Storage: 2GB; External Storage: MicroSD (TF) 32GB max, USB; Screen Size (diagonal): 9.7"; Display Resolution: 2048 x 1536; Display Mount: 360° rotation, 90° tilt; Sensor Type: CMOS; Active Pixels: 5M (2592 x 1944); Shutter: electronic rolling shutter; Photo Capture Resolution:2592 x 1944, 2048 x 1536, 1600 x 1200; Video Capture Resolution and Maximum Framerate:15fps @ 2048x1536; Connectivity: Micro HDMI; USB 2.0; Wi-Fi; Lens-mount: C-mount; Power: 220V Certificate of Distributorship from Manufacturer; Optics: Achromatic; Power Compatibility: Wide Band; Two-layer Mechanical Stage; Training Certificate of Service Engineer from Manufacturer; installation and Commissioning on Site; Hand on Training to End Users with Certificate; with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.</p>	
4.	<p>BIOSAFETY CABINET, NSF Certified Class II Specifications: External Dimensions (mm): 1354x764x1260; Frontal Opening Height (mm): 182; Laminar Flow Speed (m/s): 0.35; Laminar Flow Rate (m3/h): 882; Front Entry Speed (m/s): 0.55; Extraction Flow Rate (m3/h) :402 Sound (dBA): <58; Lighting (lux): >1.000; Working Consumption (kw): 0.125; Weight (kg): 200; Filters HEPA H14 filters according to EN 1822; Air Quality ISO 4 in accordance with ISO CD 14644-1; EC fans installed- reducing energy consumption; LED Lighting-better more uniform illuminations and reducing energy consumption; Reinforced mechanism for window opening-Gas spring installed; UV light installed in standard configuration, with timer to be to programable; Compact design-overall height 1260 mm; 10° sloped front window for better working position; V-shaped air slits; 304L stainless Steel chamber with rounded angles; Hardened security glass sides with UV protection; Hermetically closable sealing around front</p>	

	<p>window; Security anti-reflective front window with UV protection; Microprocessor control; Control panel slightly turned to the user to maximize visibility and accessibility; Control panel with international color code indicating cabinet status-acoustic and visual alarms; Main screen in control panel showing laminar Flow speed and filter clogging level; Eco mode function; Easy access to all maintenance areas via front side of the cabinet.; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker, Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
5.	<p>BUCHNER FUNNEL FILTRATION SET WITH PUMP, 1000mL- 80-120mm size Ceramic/porcelain buchner funnel with rubber stopper and 1 meter vacuum hose; 1000 ml borosilicate filtering flask; 80-120mm circular filter paper with similar size to funnel; Vacuum pump- oil-free low noise with gauge for vacuum pressure monitoring and manual vacuum control</p>	
6.	<p>CHEMICAL CART, Fully assembled from 18-gauge, 1-inch square steel tubing; Have 4-inch diameter casters which absorb vibration over rough, uneven floors. Two have toe-locks.; Electrostatically coated tubular steel, with tough, corrosion-resistant epoxy that will not scratch or mar doorways, walls or equipment; Rigid PVC extrusions on two sides prevent containers from sliding off. The lower shelf also has rigid plastic guard rails on both ends.; Ergonomic, extruded rubber handle grips; Equipped with two fixed shelves 32 1/2" x 19" x 1/4" thick, of phenolic board with melamine laminated surfaces, resistant to staining, acids, alkalies and heat; Height to upper shelf 32, height to lower shelf 13 5/8", clearance between shelves is 17 1/4".</p>	
7.	<p>DIGITAL BINOCULAR MICROSCOPE WITH CAMERA AND DISPLAY (TABLET) compound microscope ideal for college laboratories, veterinary and medical applications. Supplied with trinocular head, WiFi camera with bracket, and 8" tablet, incorporates 3W LED illumination and wide field 20mm eyepieces. Tablet is capable of sharing images using its advanced WiFi system, includes live image viewing app. full resolution imaging technology. Can be use as a conventional microscope or share live images using WiFi tablets and wireless laptops. Connect up to five devices.</p>	
8.	<p>DUCTLESS FILTERING FUME HOOD, Meets AFNOR NF X 15 211/ANSI Z9.5-2012 filtration efficiency standard (class 1 and 2); two carbon filtration for gases and vapours (AS: For organic vapours BE+:Polyvalent for acid + organic vapours F:For formaldehyde vapours K:For ammonia vapours); Sensors that detect filter breakthrough of solvents, acids or formaldehyde - Safety back up filter in case of main filter saturation - Continuous monitoring of Air face velocity; No ductwork needed to allows users to move the hood anywhere; Air Flow: 440 m3/h-259 CFM; Air Face Velocity:0.4 to 0.6 m/s-79 fpm to 118 fpm; Voltage/Frequency: 220V/50-60 Hz; Power consumption: 105 W; Structure: Corrosion resistant electro-galvanized steel coated with anti-acid polymer; Side and front panels: Chemical resistant acrylic Filtration module Polypropylene; Communication interface: Simple communication by audible and light pulses: air face velocity,</p>	

	<p>automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm; Filtration technology: 2 columns that can be configured to handle liquids, powders, or both Carbon filtration for gases and vapors; Mobile APP for remote control to monitor the hood and deliver safety alerts immediately to your devices (mobile, tablet and PC); Internal lighting: LED lighting > 650 Lux; Anemometer: Air face velocity alarm; Accessories: Work Surfaces: Tempered; Molecode: Detection sensor for: Type S, for solvents/Type A, for acids / Type F, for formaldehyde Benches: Mobile rolling cart; Particulate Pre-filter: Protects the main filter(s) from dust; Transparent Back Panel: Clear acrylic panel for easy viewing; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Before installation with proper communication on total height of the equipment and height of the working area; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
9.	<p>GENERAL PURPOSE WATER BATH, 20 LITERS-Specifications: Gen. Purpose Water Bath, Digital, 20 L; Display: Full-color TFT; Languages Supported: French, German, Spanish, Chinese, English; Working Temperature Range °C: Ambient +5° to 100 °; Temperature Stability °C : plus/minus 0.1 deg Temperature Calibration Capability: 1- point; Working Access (LWD) cm): 24.1 * 43.2 * 15.2 Flammability Class; Displays actual and set point temperature simultaneously, Programmable pre-sets for frequently used temperatures; Integrated timer; Primary and automatic safety thermostats Also compatible with waterless bath beads; Working Temperature Range °F: Ambient + 10 ^ = to 212 deg Working Temperature Range °C: Ambient 5 deg to 100 deg : Reservoir Capacity (gallons): 5.28; Reservoir Capacity (liters): 20; Reservoir/Tank Material: Stainless Steel; Reservoir Cover: Hinged Gable; Working Access (LWD) (inches) 9.5 * 17 * 6 Working Access (LWD) (cm): 24.1 * 43.2 * 15.2 Temperature Stability ° F / (plus/minus 0.2 deg) Temperature Stability °C: ±0.1° Display: Full-color TFT; Flammability Class (DIN 12876-1) I (NFL); Over-Temperature Protection/Failsafe Heater Control: Yes; Reservoir Drain: Yes; Maximum Ambient Temperature °F: 104 deg Maximum Ambient Temperature °C: 40 deg Overall Dimensions (LWH) inches) 15.1 * 22.5 * 15.1 Overall Dimensions (LWH) cm): 38.4 * 57.2 * 38.4; Shipping Weight (pounds): 25.0; Shipping Weight (kilograms): 11.3; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
10.	<p>HORIZONTAL FLOUR MIXING MACHINE, Warranty: 1 Year, Dimension(L*W*H): 1500*1100*1600mm, Power: 20600, Weight: 750kg, Voltage: 380v"</p>	
11.	<p>HOT PLATE STIRRER, Ceramic. Temp range: Ambient to 540°C; Frequency: 50/60 Hz; Dimensions (HxLxW): 9.7x33x20.8 cm; Shape: Square; Stirring Range: 50 to 1500 rpm; Voltage: 220 V; Warranty: at least 3 Years</p>	

12.	<p>HOTPLATE STIRRER,</p> <p>Number of stirring positions 1; Stirring quantity max. per stirring position (H2O) [l] 10; Motor rating output [W] 1.5; Direction of rotation left Speed control scale 0-6; Speed range [rpm] 100-1500; Stirring bar length max. [mm] 80; Heat output [W] 1000; Heating temperature range [°C] 50-500; Heat control LED Heating rate heating plate [K/min] 5 Connection for ext. temperature sensor ETS-D5; Fixed safety circuit [°C] 550; Set-up plate material ceramic; Set-up plate dimensions [mm] 180 x 180 Dimensions (W x H x D) [mm] 220 x 105 x 330 Weight [kg] 5; Permissible ambient temperature [°C] 5-40; Permissible relative humidity [%] 80; Protection class according to DIN EN 60529 IP 21; Voltage [V] 230/120/100; Frequency [Hz] 50/60; Power input [W] 1020; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
13.	<p>INCUBATOR,</p> <p>Performance Data Temperature; Temperature range 5 deg * C above ambient temperature to [°C]: 100; Temperature variation at 37 °C [K]: 0.4; Temperature fluctuation at 37 °C [K]: 0.1; Heating-up time to 37 deg * C [min]: 55; Electrical data: Rated Voltage [V]: 230; Power frequency [Hz]: 50/60; Nominal power [kW]: 0.35; Unit fuse [A]: 6.3; Phase (Nominal voltage): 1-; Measures: Interior volume [L]: 115; Measures - Doors; Unit doors: 1; Measures Internal Dimensions Width [mm]: 510 Height [mm]: 530 Depth [mm]: 420; Measures - Outer dimensions Width net [mm]: 710 Height net [mm]: 735 Depth net [mm]: 605; Wall clearance sidewise [mm]: 100; Wall clearance back [mm]: 160; Environment-specific data; Energy consumption at 37 deg * C 25 Wh/h Fixtures; Number of shelves (standard/ maximum): 2/5; Features: Temperature range: ambient temperature plus 5 deg * C to 100 deg * C High temperature accuracy thanks to APT.line technology; Natural convection; Controller with LCD display; Electromechanical control of the exhaust air flap; Inner door made of tempered safety glass; 2 chrome-plated racks; Stackable; Class 3.1 integrated independent temperature safety device with visual alarm; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
14.	<p>LABORATORY FREEZER,</p> <p>External Size(W*D*H) mm: 775*720*1900; Capacity: 400L; Type: Vertical; Temp. Range: -10°C~-25°C; Temp. Accuracy: 0.1°C; Control System: Microprocessor control; Alarm: alarm and low battery alarm, sensor failure alarm; Open door alarm; High or low temperature alarm; Refrigeration Type: Direct refrigeration; Refrigerant: R134a, CFC free; Condenser & Evaporator: Wire tube; Construction Structure: Unibody; design and thickened environmental protection foam insulation; Internal Material: ABS Material; External Material: Cold-rolled steel coated with anti-bacteria powder; Shelf/Drawer: 6 shelves; Consumption: 330W; Power Supply: AC220V±10%;50HZ; Package Size(W*D*H) mm: 780-840*2008; Gross Weight: 105kg; Additional: Certificate</p>	

	of Distributorship from Manufacturer, Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	
15.	<p>LABORATORY REFRIGERATOR,</p> <p>External Size (W ^ * D ^ * H) mm: 620-575-1980; Capacity: 310L; Temp. Range: 2-8 degree Celsius; Temp. Accuracy: 0.1 degree Celsius; Control System: Microprocessor; Control, Large Screen LED Display; Alarm: Audible and visual alarm for: High and low temperature, Power failure alarm, Sensor failure, Door; Refrigeration Type: Forced Air refrigeration system: Refrigerant: R600a, CFC Free; Condenser & Evaporator: Bundy Tube Condenser; Defrost: Auto defrost; Door: glass door with heat reflection film; Construction: Structure Unibody design and Mono assembly foaming (Rigid polyurethane insulation material); Internal Material: embossed aluminum sheet; sheet; External Material: PCM; Shelves: 5pcs; Consumption: 180W; Power Supply: AC110/220, 50/60Hz; Standard Accessory: LED lamp, shelves, door keys, USB port; Optional Accessory: Temperature recorder; Package Size (W ^ * D ^ * H) mm: 700*650*2030; Gross weight: 84kg; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
16.	<p>LABORATORY TABLE SET UP,</p> <p>At least 2-piece set up, for movement/vibration sentive equipment and moving/spinning equipment, Precise measurement of the work area; Regular meetings with a design team to tailor the table to user specific needs, including features like sinks and storage. Table includes: Integrated Sink and Plumbing; Durable Surface: Phenolic resin with edges sealed; Sturdy Frame: Powder-coated steel frame, capable of supporting high loads, typically up to 1,000 pounds; Integrated cabinets and drawers; Adjustable shelving units above the work surface; Multiple integrated power outlets, including USB ports; Data ports or network connections integrated into the table, ensuring connectivity for lab equipment or computers; Emergency shut-off switches to cut power to the table in case of a safety breach; Modular components that can be rearranged as needed for different lab setups. Installation and Commissioning on Site; Warranty: One (1) Year on Parts and on Service under normal use.</p>	
17.	<p>MICROCENTRIFUGE WITH FIXED-ANGLE ROTOR,</p> <p>For 24 x 1.5-2ml and fixed-angle for PCR strips 16 x 0.2ml PCR tube-organized and big LCD display, overspeed monitoring: up to 10 programs selection; Zero-maintenance motor, Compact microcentrifuge; Maximum capacity: 24 * 2 m; Motorized lid lock; Window in lid for external speed monitoring, Short acceleration and braking times; Maximum RCF of 16,163 x g; Inclination angle of Rotor (outer/inner): 32/53 degrees: Specifications: Speed range (rpm): 14,800; Speed increment (rpm): 100; Max RCF (xg): 16,163; RCF Increment (xg): 10; Minimum Speed: 200 rpm; Noise level at maximum speed (approx.) [dB(A)] ;<=54; Timer (s; min: s): 10-99:59; Time increment: 1 second; Maximum Acceleration time: ≤ 15 seconds; Maximum Braking Time: ≤ 12 seconds; Power Consumption: 95</p>	

	<p>Watts; Height x width x depth: 176 x 266 * 212 mm-Height with open lid: 310 mm; Weight without Rotor: 6 kg; With accessories: Fixed- angle rotor for spin column kits; Max. capacity: 12 * 2ml Max. speed (1-14/1-14K): 14,800/15,000 rpm; Max. RCF (1-14/1-14K): 15,183/15,596 x g; Sealable with polysulphone lid; Tmin at maximum speed: < 4 deg * C ; Angle: 45 deg Fixed-angle rotor for PCR Strip; Max. capacity: 16 * 0.21 PCR tubes; Max. speed (1-14/1-14K): 14,800/15,000 rpm; Max. RCF (1-14/1-14K): 11.755/12074 * g = Closable with polysulphone lid; Tmin at maximum speed: < 4 deg * C ; Angle: 45; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use</p>	
18.	<p>MICROVOLUME UV-VIS SPECTROPHOTOMETER, WITH COMPATIBLE PRINTER, BLUETOOTH KEYBOARD MOUSE AND BARCODE READER EQUIPPED WITH BLUETOOTH AND WI-FI</p> <p>Concentration:dsDNA : Pedestal: 27, 500ng / μ * L BSA (IgG): Pedestal: 820 (400) mg/mL; Connections: Three USB-A ports, Ethernet, Bluetooth™ and Wi-Fi; Detection Range: dsDNA: Pedestal: 2ng / μ * L Cuvette: 0.2ng / μ * L BSA (IgG): Pedestal: 0.06 (0.03) * mg / m * L Cuvette: 0.006 (0.003) mg/mL; Detector Type; 2048-element CMOS Linear Image Sensor; Display: 7 in. High Definition Color Display, 1280 x 800 pixels; Dimensions:); Languages: English, others; (LWH) * 20 * 25.4 * 32.3cm (8*10*12.7 in Light Source: Xenon Flashnm FWHM at Hg 254 nm); Voltage: 12 VDC: Wavelength Range: 190 to 850 nm; For Use With (Application) Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids;, Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Labeled Proteins, OD600, Kinetics, UV-Vis, and Custom Methods; Keypad: Built-in touchscreen, multipoint capacitive touch; Measurement Time: 8 seconds; Pathlength: 0.030 to 1.0 mm (auto-ranging); Photometric Accuracy: 3% at 0.97 A, 302 nm, (Absorbance expressed at Abs/mm at 25 deg * C ; Photometric Range: 10 mm equivalent: Pedestal: 0-550 A; Cuvette: 0-1.5 A; Power Consumption: Operating: 12 to 18 W; Standby: 5 W; Processor: Android"; Repeatability Typical: 0.002 A (1.0 mm path) or 1%CV, whichever is greater (SD of 10 individual measurements at 0.97 A); Sample Temperature: Temperature Control (cuvette only) 37 deg * C Sample Volume (Metric): Minimum 1μL; System Requirements: Windows 8.1, 10 and 11, 64 bit; Wavelength Accuracy: \pm1 nm; Weight (Metric):3.6 kg: Additional: Certificate of Distributorship from Manufacturer, Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	
19.	<p>PAGE APPARATUS (VERTICAL) WITH POWER SUPPLY, Specifications: Unit Dimensions: 26 * 16x 16 cm. (+10%); Capacity: 1-4 gels; Maximum Sample Capacity: 192; Base Buffer Volume: 600 mL; Maximum Buffer Volume: 2,800 mL Gel; Dimensions: 18 * 8 cm.; Includes: Casting Base, Blotting Insert, 2D Insert; Plate Dimensions: 20 * 10 cm.; Mini wide format effectively allows 2 mini gels to be compared within a single gel</p>	

	for gel-to gel reproducibility; Run 1-2 hand cast gels; perfect for users with >20 samples to compare and resolve; Even pressure screw system prevents gel leakage; Combine pl (isoelectric point) separation with speed by resolving 2x 7cm IPG strips or 2x 8cm capillary tube gels per gel using special 2-D gel combs and plates; Ability to perform three techniques in a day: IEF, PAGE and blotting; Power Supply; Output Voltage/Inc.: 0-300v/1v; Output Current/ Inc.: 10-400ma/1ma; Output Power: 60w; Output Type: Constant Voltage Or Constant Current; Control: Microprocessor Controller; Terminal Pairs: 2 Pairs; Timer: 1~999 Minutes With Alarm Or Continuous; Safety Device: No Load Detection; Shrouded Plugs And Sockets; Unit Dimension (WxLxH): 140x191x84mm; Weight: Approx. 1 Kg; Rated Voltage: Universal, 100-240v; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	
20.	PH BENCHTOP METER, measuring range pH-2... 16.-2000... 2000 mV.; temperature: -10... 100 °C, ISE 0... 30000 ppm; Display Graphic: LCD Display. 128 x 64 pixel, backlid storage; Calibration: 3; channels: 1; protection: IP 40; interface: USB; Power supply: external power supply 5 V DC of 100-240 V. 50/60 Hz. power input: 5 Watts; Features: with new functionality such as AutoRead and CMC; Reproducible measuring results with active AutoRead function; Simple calibration with adjustable calibration timer; user-friendly keyboard with large, easy to read LCD display; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.	
21.	PIPETTOR SET, with stand, P2, P20, P200, P1000 0.2 to 2 µL (P2L), 2 to 20 µL (P20L), 20 to 200 µL (P200L), 100 to 1000 µL (P1000L), 500 to 5000 µL and 1000 to 10,000 µL, Autoclavable, Material: Polypropylene, Stainless Steel, With compatible tips in a rack; 10 racks each, Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.	
22.	POWDER GRANULE MIXING MACHINE, Voltage: 380V, Power: 2.2KW, Capacity: 200kg, Rotating Speed: 15rpm, Machine Material: Stainless Steel"	
23.	REFRACTOMETER, Brix refractometer- Handheld with protective case, calibration screwdriver and owner's manual; Range: 0-50% or 0-90% Brix; Resolution: 0.2-0.5%	
24.	RETARDER PROOFER, Name:32 trays Bread proofer, Power: 2000w, Voltage: 220v, Temperature: 30-100 °C, Humidity: 60% -99%, Timing: 0-99min, Size: 870 * 1000 * 2000mm"	
25.	SMALL RETORT MACHINE, Voltage: 220V/380V, Power: 6.2kw, Weight: 260 KG, Dimension(L*W*H): 1993*1040*1842, Warranty: 2 years, Product name: Multi-functional small retort machine, Material:	

	SS304 or 316 Stainless Steel, Design Temperature: 147 Degree Centigrade, Heating way: Boiler Steam Heating/electric, Sterilizing Type: water immersion, Feature 01: Meet ASME/CE standard."	
26.	STAINLESS STEEL KITCHEN TABLE, Dimension: 2150mmL x 600mmW x 850mmH + 150mmBS; 16Ga(1.5mmthk) SS Sheet for Top Plate, Back Splash & Stiffeners; 18Ga(1.2mmthk) SS Sheet for Body Panels, Mid & Bottom Shelves; 20Ga(1.0mmthk) SS Sheet for Drawers and Door Panels; Concealed Hinges-Soft Closing; Drawer Slides"	
27.	TABLETOP PORTABLE DOUGH SHEETER, Voltage: 220V/110V/380V 50Hz/60Hz, Customized: Customized, Material: Stainless Steel, Power: 1100W, Weight: 80kg, Capacity: 20L-130L, Key Selling Points: High Productivity, Packing Size: 480*830*970mm, Barrel Size: 360*215mm, Dough Weight: 8kg--100kg, Transport Package: Wooden Box, Specification: 94*49*97CM,"	
28.	THERMAL CYCLER, Specifications: Unit Dimensions (cm): 24 * 42 * 25((- 10)%) Capacity: 1x 96-well plate; 12 * 8 * 0.2 mL strip tubes; 96 * 0.2mL tubes; Temperature Control: Calculated or block; Heating/Cooling Method: Peltier; Maximum Heating/Cooling Rate: 5°C 3.5 deg * C per second or better, Gradient Temperature Range: 30 - 99 deg * C temperature of each segment may be set independently (or better); Maximum Gradient Temperature Difference: 24 deg * C Lid Temperature: 30 - 115 deg * C Temperature Increments/Decrements: Yes; Time Increments/Decrements: Yes; Temperature Range: 4 * 99.9 deg * C Stability: plus/minus 0.5 deg * C or better; Uniformity: plus/minus 0.5 deg * C Input Voltage: 220V; Includes: AVR/UPS battery backup Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker, Warranty: For Equipment, Two Years on Parts and on Service under normal use.	
29.	VEGETABLE SPIN DRIER MACHINE, Vegetable Spin Drier Machine, Power: 180 watts, Size: 40*40*65cm, Capacity: 8 kg per time, Function: clean vegetables, vegetables are dried, dehydrated	
30.	VORTEX MIXER, WITH ATTACHMENT ACCESSORIES, (Standard, universal, one hand insert and PCR plate) - Specifications: Type of movement: orbital; Shaking stroke:4.5 mm; Permissible shaking weight (incl. attachment): 0.5 kg; Motor rating input: 10 W; Motor rating output: 8 Permissible ON time: 100% Speed	

Note: Bidders must state in the Statement of Compliance 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 Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the

execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provision of **ITB** Clause 4.

Attached herewith are the manufacturer’s product literature(s) and certification(s) that we are authorized to sell the goods.

We certify that the foregoing information and the supporting documents are true and correct.

[Signature]
[Name of Authorized Signatory]
[Position/Title of Authorized Signatory]

Omnibus Sworn Statement

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:**

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

- a. *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;
 - b. *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:**
- a. *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;
 - b. *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;

- c. *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 following responsibilities as a Bidder:

- a. Carefully examine all of the Bidding Documents;
- b. Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Made an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquire or secure 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 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 delivery 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.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

[Bidder’s Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

NET FINANCIAL CONTRACTING CAPACITY

Based on our Income Tax Return and Audited Financial Statement for the Fiscal Year [YEAR], duly submitted to the Bureau of Internal Revenue, and which form part of our Bid, the summary of our firm’s financial condition is as given below:

		Year [YEAR]
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

Based on the aforementioned data and the Value of Outstanding Works from the Statement of All Ongoing Government and Private Contracts, which also form part of our Bid, our Net Financial Contracting Capacity (NFCC) is:

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

NFCC =

I/We certify that the foregoing information and all of the supporting documents are true and correct.

[Signature]
[Name of Bidder or Authorized Representative]
[Position or Title]

[Bidder’s Letterhead]

[Date]

FINANCIAL BID FORM

To: Tarlac State University
Re: Invitation to Bid No.

Date : _____

Project Invitation to Bid No. : _____

To: Tarlac State University

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

If our Bid is accepted, we undertake:

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

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

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

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

[(if none, state “None”)]

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: _____

Legal capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

[Bidder’s Letterhead]

[Date]

To: Tarlac State University
Re: Invitation to Bid No.

SCHEDULE OF PRICES

Item No.	Description	Qty.	Unit	Unit Price	Total Price
Laboratory Equipment					
1.	96 MICROPLATE ABSORBANCE READER, Control and Display: 7 inch touch screen (800 x 480 pixels); Light Source: Quartz-halogen lamp 6V/10W; Wavelength Range: 340-750nm (405, 450, 492 and 630 nm filters included); Half-Bandwidth of filter : 3~9nm; Readout Range: 0~4.000 Abs; Linearity (405nm): 0~2.000 Abs <+1%, 0~4.000 Abs <+2%; Precision: CV</= 0.2% (0-3) Abs, CV</= 01.0% (3-4) Abs; Test Speed: <6 sec. for 96 well plate; IncubatoR: No; Shaking: 3 modes: slow, medium, fast; User InterfacE: Integrated software, touch screen control; Storage: 200 programs, 100,000 test records; Ports: USB ports for PC, printer, mouse and flash drive; Dimensions: 295 x 440 x 225 mm (11.6 x 17 x 8.75"); Weight: 10 kg; with complete filters"Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	1	set		
2.	ANALYTICAL BALANCE, Application Programs: Weighing, Dosing, Counting, Percentage weighing, Net total, Totalizing, Animal weighing, Calculation, Density, Statistics, Peakhold, Checkweighing, Mass unit conversion and Underfloor weighing; Draft Shield: Manual; Leveting: Manual; Linearity: 0.2 mg; Relative humidity at temperatures up to 31 deg * C non-condensing, then linear decrease from max. 80% at 31 deg * C to max. 50% at 40 deg * C 15-80%; Operating Conditions: Temperature: 10 - 30 deg * C Repeatability: 0.1 mg; Sensitivity Drift between 10 deg * C and 30 deg * C plus/minus 1.5 ppm/K; Typical Stabilization Time: ≤1.0 s-Underfloor Weighing: Yes; Weighing Chamber Height: 240	2	unit		

	mm-Display: LED screen with touch technology; Maximum Weighing Capacity: 220 g-Readability: 0.1 mg; Weighing Pan Dimensions: 90-120 mm; Data Interface: RS232; Weighing Units: miligram, Gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, Taiwan tael, grain, pennyweights, milligram, parts per pound, China tael, mommes, Austrian carat, tola, baht, mesghal and Newton; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.				
3.	BIOLOGICAL TRINOCULAR COMPOUND MICROSCOPE, 40X-1600X Magnification with Sledentopf Head+ 9.7" Touchscreen Imaging System includes: One trinocular microscope head, One microscope body, Four objective lenses: 4X, 10X, 40X, 100X, One pair 10X eyepieces, One blue color filter, One dust cover, One sample immersion oil, One tablet with integrated camera, One AC adapter (US and Canada standard), One 0.5X C-mount reduction lens; Optical System: Finite-conjugate; Mechanical Tube Length: 160mm; Head: Trinocular, 30° incline, 360° rotatable; Ocular Diameter: 23mm; Ocular Diopters: left ocular, Photo Port: height-adjustable 23mm tube; Power 220V; Condenser Design: Abbe-Rack & Pinion w/ diaphragm; Condenser Optics: NA 1.25; Condenser Type: Brightfield; Eyepiece Mounting Size: 23mm; Field of View Class: Widefield; Head Style: Trinocular; Illumination Bulb Count: 1; Illumination Power: 1W; Illumination Style: Transmitted (Bottom); Illumination Type: LED; With Iris; Magnification: 40X-1600X; Magnification Type: Multi-Power; Objective Lens Power: 4X, 10X, 40%, 100X; Objective Mounting Size: 20mm; Tablet Specifications: OS: Android 4.1.1; CPU:1.8GHz; Memory: 2GB (DDR3); Internal Storage: 2GB; External Storage: MicroSD (TF) 32GB max, USB; Screen Size (diagonal): 9.7"; Display Resolution: 2048 x 1536; Display Mount: 360° rotation, 90° tilt; Sensor Type: CMOS; Active Pixels: 5M (2592 x 1944); Shutter: electronic rolling shutter; Photo Capture Resolution:2592 x 1944, 2048 x 1536, 1600 x 1200; Video Capture Resolution and Maximum Framerate:15fps @ 2048x1536; Connectivity: Micro HDMI; USB 2.0; Wi-Fi;	1	unit		

	Lens-mount: C-mount; Power: 220V Certificate of Distributorship from Manufacturer; Optics: Achromatic; Power Compatibility: Wide Band; Two-layer Mechanical Stage; Training Certificate of Service Engineer from Manufacturer; installation and Commissioning on Site; Hand on Training to End Users with Certificate; with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.				
4.	<p>BIOSAFETY CABINET,</p> <p>NSF Certified Class II Specifications: External Dimensions (mm): 1354x764x1260; Frontal Opening Height (mm): 182; Laminar Flow Speed (m/s): 0.35; Laminar Flow Rate (m³/h): 882; Front Entry Speed (m/s): 0.55; Extraction Flow Rate (m³/h) :402 Sound (dBA): <58; Lighting (lux): >1.000; Working Consumption (kw): 0.125; Weight (kg): 200; Filters HEPA H14 filters according to EN 1822; Air Quality ISO 4 in accordance with ISO CD 14644-1; EC fans installed- reducing energy consumption; LED Lighting-better more uniform illuminations and reducing energy consumption; Reinforced mechanism for window opening-Gas spring installed; UV light installed in standard configuration, with timer to be to programable; Compact design-overall height 1260 mm; 10° sloped front window for better working position; V-shaped air slits; 304L stainless Steel chamber with rounded angles; Hardened security glass sides with UV protection; Hermetically closable sealing around front window; Security anti-reflective front window with UV protection; Microprocessor control; Control panel slightly turned to the user to maximize visibility and accessibility; Control panel with international color code indicating cabinet status-acoustic and visual alarms; Main screen in control panel showing laminar Flow speed and filter clogging level; Eco mode function; Easy access to all maintenance areas via front side of the cabinet.; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker, Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>	1	unit		
5.	<p>BUCHNER FUNNEL FILTRATION SET WITH PUMP,</p> <p>1000mL- 80-120mm size Ceramic/porcelain buchner funnel with rubber stopper and 1 meter vacuum hose; 1000 ml borosilicate filtering flask;</p>	1	set		

	80-120mm circular filter paper with similar size to funnel; Vacuum pump- oil-free low noise with gauge for vacuum pressure monitoring and manual vacuum control				
6.	CHEMICAL CART, Fully assembled from 18-gauge, 1-inch square steel tubing; Have 4-inch diameter casters which absorb vibration over rough, uneven floors. Two have toe-locks.; Electrostatically coated tubular steel, with tough, corrosion-resistant epoxy that will not scratch or mar doorways, walls or equipment; Rigid PVC extrusions on two sides prevent containers from sliding off. The lower shelf also has rigid plastic guard rails on both ends.; Ergonomic, extruded rubber handle grips; Equipped with two fixed shelves 32 1/2" x 19" x 1/4" thick, of phenolic board with melamine laminated surfaces, resistant to staining, acids, alkalies and heat; Height to upper shelf 32, height to lower shelf 13 5/8", clearance between shelves is 17 1/4".	2	unit		
7.	DIGITAL BINOCULAR MICROSCOPE WITH CAMERA AND DISPLAY (TABLET) compound microscope ideal for college laboratories, veterinary and medical applications. Supplied with trinocular head, WiFi camera with bracket, and 8" tablet, incorporates 3W LED illumination and wide field 20mm eyepieces. Tablet is capable of sharing images using its advanced WiFi system, includes live image viewing app. full resolution imaging technology. Can be use as a conventional microscope or share live images using WiFi tablets and wireless laptops. Connect up to five devices.	1	set		
8.	DUCTLESS FILTERING FUME HOOD, Meets AFNOR NF X 15 211/ANSI Z9.5-2012 filtration efficiency standard (class 1 and 2); two carbon filtration for gases and vapours (AS: For organic vapours BE+:Polyvalent for acid + organic vapours F:For formaldehyde vapours K:For ammonia vapours); Sensors that detect filter breakthrough of solvents, acids or formaldehyde - Safety back up filter in case of main filter saturation - Continuous monitoring of Air face velocity; No ductwork needed to allows users to move the hood anywhere; Air Flow: 440 m3/h-259 CFM; Air Face Velocity:0.4 to 0.6 m/s- 79 fpm to 118 fpm; Voltage/Frequency: 220V/50-60 Hz; Power consumption: 105 W; Structure: Corrosion resistant electro-galvanized steel coated with anti-acid polymer; Side and front panels: Chemical resistant acrylic Filtration module Polypropylene; Communication interface: Simple communication by audible and	1	unit		

	<p>light pulses: air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm; Filtration technology: 2 columns that can be configured to handle liquids, powders, or both Carbon filtration for gases and vapors; Mobile APP for remote control to monitor the hood and deliver safety alerts immediately to your devices (mobile, tablet and PC); Internal lighting: LED lighting > 650 Lux; Anemometer: Air face velocity alarm; Accessories: Work Surfaces: Tempered; Molecode: Detection sensor for: Type S, for solvents/Type A, for acids / Type F, for formaldehyde Benches: Mobile rolling cart; Particulate Pre-filter: Protects the main filter(s) from dust; Transparent Back Panel: Clear acrylic panel for easy viewing; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Before installation with proper communication on total height of the equipment and height of the working area; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>				
9.	<p>GENERAL PURPOSE WATER BATH, 20 LITERS-Specifications: Gen. Purpose Water Bath, Digital, 20 L; Display: Full-color TFT; Languages Supported: French, German, Spanish, Chinese, English; Working Temperature Range °C: Ambient +5° to 100 °; Temperature Stability °C : plus/minus 0.1 deg Temperature Calibration Capability: 1- point; Working Access (LWD) cm): 24.1 * 43.2 * 15.2 Flammability Class; Displays actual and set point temperature simultaneously, Programmable pre-sets for frequently used temperatures; Integrated timer; Primary and automatic safety thermostats Also compatible with waterless bath beads; Working Temperature Range °F: Ambient + 10 ^ = to 212 deg Working Temperature Range °C: Ambient 5 deg to 100 deg : Reservoir Capacity (gallons): 5.28; Reservoir Capacity (liters): 20; Reservoir/Tank Material: Stainless Steel; Reservoir Cover: Hinged Gable; Working Access (LWD) (inches) 9.5 * 17 * 6 Working Access (LWD) (cm): 24.1 * 43.2 * 15.2 Temperature Stability ° F / (plus/minus 0.2 deg) Temperature Stability °C: ±0.1° Display: Full-color TFT; Flammability Class (DIN 12876-1) I (NFL); Over-Temperature Protection/Failsafe Heater Control: Yes; Reservoir Drain: Yes; Maximum Ambient Temperature °F: 104 deg Maximum Ambient Temperature °C: 40 deg Overall Dimensions (LWH) inches) 15.1 * 22.5</p>	1	unit		

	* 15.1 Overall Dimensions (LWH) cm): 38.4 * 57.2 * 38.4; Shipping Weight (pounds): 25.0; Shipping Weight (kilograms): 11.3; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.				
10.	HORIZONTAL FLOUR MIXING MACHINE, Warranty: 1 Year, Dimension(L*W*H): 1500*1100*1600mm, Power: 20600, Weight: 750kg, Voltage: 380v"	1	unit		
11.	HOT PLATE STIRRER, Ceramic. Temp range: Ambient to 540°C; Frequency: 50/60 Hz; Dimensions (HxLxW): 9.7x33x20.8 cm; Shape: Square; Stirring Range: 50 to 1500 rpm; Voltage: 220 V; Warranty: at least 3 Years	1	unit		
12.	HOTPLATE STIRRER, Number of stirring positions 1; Stirring quantity max. per stirring position (H2O) [l] 10; Motor rating output [W] 1.5; Direction of rotation left Speed control scale 0-6; Speed range [rpm] 100-1500; Stirring bar length max. [mm] 80; Heat output [W] 1000; Heating temperature range [°C] 50-500; Heat control LED Heating rate heating plate [K/min] 5 Connection for ext. temperature sensor ETS-D5; Fixed safety circuit [°C] 550; Set-up plate material ceramic; Set-up plate dimensions [mm] 180 x 180 Dimensions (W x H x D) [mm] 220 x 105 x 330 Weight [kg] 5; Permissible ambient temperature [°C] 5-40; Permissible relative humidity [%] 80; Protection class according to DIN EN 60529 IP 21; Voltage [V] 230/120/100; Frequency [Hz] 50/60; Power input [W] 1020; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	1	unit		
13.	INCUBATOR, Performance Data Temperature; Temperature range 5 deg * C above ambient temperature to [°C]: 100; Temperature variation at 37 °C [K]: 0.4; Temperature fluctuation at 37 °C [K]: 0.1; Heating-up time to 37 deg * C [min]: 55; Electrical data: Rated Voltage [V]: 230; Power frequency [Hz]: 50/60; Nominal power [kW]: 0.35; Unit fuse [A]: 6.3; Phase (Nominal voltage):	1	unit		

	1-; Measures: Interior volume [L]: 115; Measures - Doors; Unit doors: 1; Measures Internal Dimensions Width [mm]: 510 Height [mm]: 530 Depth [mm]: 420; Measures - Outer dimensions Width net [mm]:710 Height net [mm]: 735 Depth net [mm]: 605; Wall clearance sidewise [mm]: 100; Wall clearance back [mm]: 160; Environment-specific data; Energy consumption at 37 deg * C 25 Wh/h Fixtures; Number of shelves (standard/ maximum): 2/5; Features: Temperature range: ambient temperature plus 5 deg * C to 100 deg * C High temperature accuracy thanks to APT.line technology; Natural convection; Controller with LCD display; Electromechanical control of the exhaust air flap; Inner door made of tempered safety glass; 2 chrome-plated racks; Stackable; Class 3.1 integrated independent temperature safety device with visual alarm; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.				
14.	LABORATORY FREEZER, External Size(W*D*H) mm: 775*720*1900; Capacity: 400L; Type: Vertical; Temp. Range: -10°C~-25°C; Temp. Accuracy: 0.1°C; Control System: Microprocessor control; Alarm: alarm and low battery alarm, sensor failure alarm; Open door alarm; High or low temperature alarm; Refrigeration Type: Direct refrigeration; Refrigerant: R134a, CFC free; Condenser & Evaporator: Wire tube; Construction Structure: Unibody; design and thickened environmental protection foam insulation; Internal Material: ABS Material; External Material: Cold-rolled steel coated with anti-bacteria powder; Shelf/Drawer: 6 shelves; Consumption: 330W; Power Supply: AC220V±10%;50HZ; Package Size(W*D*H) mm: 780-840*2008; Gross Weight: 105kg: Additional: Certificate of Distributorship from Manufacturer, Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.	1	unit		
15.	LABORATORY REFRIGERATOR, External Size (W ^ * D ^ * H) mm: 620-575-1980; Capacity: 310L; Temp. Range: 2-8 degree	1	unit		

	<p>Celsius; Temp. Accuracy: 0.1 degree Celsius; Control System: Microprocessor; Control, Large Screen LED Display; Alarm: Audible and visual alarm for: High and low temperature, Power failure alarm, Sensor failure, Door; Refrigeration Type: Forced Air refrigeration system; Refrigerant: R600a, CFC Free; Condenser & Evaporator: Bundy Tube Condenser; Defrost: Auto defrost; Door: glass door with heat reflection film; Construction: Structure Unibody design and Mono assembly foaming (Rigid polyurethane insulation material); Internal Material: embossed aluminum sheet; sheet; External Material: PCM; Shelves: 5pcs; Consumption: 180W; Power Supply: AC110/220, 50/60Hz; Standard Accessory: LED lamp, shelves, door keys, USB port; Optional Accessory: Temperature recorder; Package Size (W ^ * D ^ * H) mm: 700*650*2030; Gross weight: 84kg; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>				
16.	<p>LABORATORY TABLE SET UP, At least 2-piece set up, for movement/vibration sentive equipment and moving/spinning equipment, Precise measurement of the work area; Regular meetings with a design team to tailor the table to user specific needs, including features like sinks and storage. Table includes: Integrated Sink and Plumbing; Durable Surface: Phenolic resin with edges sealed; Sturdy Frame: Powder-coated steel frame, capable of supporting high loads, typically up to 1,000 pounds; Integrated cabinets and drawers; Adjustable shelving units above the work surface; Multiple integrated power outlets, including USB ports; Data ports or network connections integrated into the table, ensuring connectivity for lab equipment or computers; Emergency shut-off switches to cut power to the table in case of a safety breach; Modular components that can be rearranged as needed for different lab setups. Installation and Commissioning on Site; Warranty: One (1) Year on Parts and on Service under normal use.</p>	1	lot		
17.	<p>MICROCENTRIFUGE WITH FIXED-ANGLE ROTOR, For 24 x 1.5-2ml and fixed-angle for PCR strips 16 x 0.2ml PCR tube-organized and big LCD display, overspeed monitoring: up to 10 programs</p>	1	unit		

	<p>selection; Zero-maintenance motor, Compact microcentrifuge; Maximum capacity: 24 * 2 m; Motorized lid lock; Window in lid for external speed monitoring, Short acceleration and braking times; Maximum RCF of 16,163 x g; Inclination angle of Rotor (outer/inner): 32/53 degrees; Specifications: Speed range (rpm): 14,800; Speed increment (rpm): 100; Max RCF (xg): 16,163; RCF Increment (xg): 10; Minimum Speed: 200 rpm; Noise level at maximum speed (approx.) [dB(A)] ;<=54; Timer (s; min: s): 10-99:59; Time increment: 1 second; Maximum Acceleration time: ≤ 15 seconds; Maximum Braking Time: ≤ 12 seconds; Power Consumption: 95 Watts; Height x width x depth: 176 x 266 * 212 mm-Height with open lid: 310 mm; Weight without Rotor: 6 kg; With accessories: Fixed- angle rotor for spin column kits; Max. capacity: 12 * 2ml Max. speed (1-14/1-14K): 14,800/15,000 rpm; Max. RCF (1-14/1-14K): 15,183/15,596 x g; Sealable with polysulphone lid; Tmin at maximum speed: < 4 deg * C ; Angle: 45 deg Fixed-angle rotor for PCR Strip; Max. capacity: 16 * 0.21 PCR tubes; Max. speed (1-14/1-14K): 14,800/15,000 rpm; Max. RCF (1-14/1-14K): 11.755/12074 * g = Closable with polysulphone lid; Tmin at maximum speed: < 4 deg * C ; Angle: 45; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use</p>				
18.	<p>MICROVOLUME UV-VIS SPECTROPHOTOMETER, WITH COMPATIBLE PRINTER, BLUETOOTH KEYBOARD MOUSE AND BARCODE READER EQUIPPED WITH BLUETOOTH AND WI-FI</p> <p>Concentration:dsDNA : Pedestal: 27, 500ng / mu * L BSA (IgG): Pedestal: 820 (400) mg/mL; Connections: Three USB-A ports, Ethernet, Bluetooth™ and Wi-Fi; Detection Range: dsDNA: Pedestal: 2ng / mu * L Cuvette: 0.2ng / mu * L BSA (IgG): Pedestal: 0.06 (0.03) * mg / m * L Cuvette: 0.006 (0.003) mg/mL; Detector Type; 2048-element CMOS Linear Image Sensor; Display: 7 in. High Definition Color Display, 1280 x 800 pixels; Dimensions:); Languages: English, others; (LWH) * 20 * 25.4 * 32.3cm (8*10*12.7 in Light Source: Xenon Flashnm FWHM at Hg 254 nm); Voltage: 12 VDC:</p>	1	unit		

	<p>Wavelength Range: 190 to 850 nm; For Use With (Application) Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids;, Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Labeled Proteins, OD600, Kinetics, UV-Vis, and Custom Methods; Keypad: Built-in touchscreen, multipoint capacitive touch; Measurement Time: 8 seconds; Pathlength: 0.030 to 1.0 mm (auto-ranging); Photometric Accuracy: 3% at 0.97 A, 302 nm, (Absorbance expressed at Abs/mm at 25 deg * C ; Photometric Range: 10 mm equivalent: Pedestal: 0-550 A; Cuvette: 0-1.5 A; Power Consumption: Operating: 12 to 18 W; Standby: 5 W; Processor: Android"; Repeatability Typical: 0.002 A (1.0 mm path) or 1%CV, whichever is greater (SD of 10 individual measurements at 0.97 A); Sample Temperature: Temperature Control (cuvette only) 37 deg * C Sample Volume (Metric): Minimum 1µL; System Requirements: Windows 8.1, 10 and 11, 64 bit; Wavelength Accuracy: ±1 nm; Weight (Metric):3.6 kg: Additional: Certificate of Distributorship from Manufacturer, Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.</p>				
19.	<p>PAGE APPARATUS (VERTICAL) WITH POWER SUPPLY, Specifications: Unit Dimensions: 26 * 16x 16 cm. (+10%); Capacity: 1-4 gels; Maximum Sample Capacity: 192; Base Buffer Volume: 600 mL; Maximum Buffer Volume: 2,800 mL Gel; Dimensions: 18 * 8 cm.; Includes: Casting Base, Blotting Insert, 2D Insert; Plate Dimensions: 20 * 10 cm.; Mini wide format effectively allows 2 mini gels to be compared within a single gel for gel-to gel reproducibility; Run 1-2 hand cast gels; perfect for users with >20 samples to compare and resolve; Even pressure screw system prevents gel leakage; Combine pl (isoelectric point) separation with speed by resolving 2x 7cm IPG strips or 2x 8cm capillary tube gels per gel using special 2-D gel combs and plates; Ability to perform three techniques in a day: IEF, PAGE and blotting; Power Supply; Output Voltage/Inc.: 0-300v/1v; Output Current/ Inc.: 10-400ma/1ma; Output Power: 60w; Output Type: Constant Voltage Or Constant Current; Control: Microprocessor Controller; Terminal Pairs: 2 Pairs; Timer: 1~999 Minutes With Alarm Or Continuous; Safety Device: No Load Detection; Shrouded Plugs And</p>	1	unit		

	Sockets; Unit Dimension (WxLxH): 140x191x84mm; Weight: Approx. 1 Kg; Rated Voltage: Universal, 100-240v; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, Two Years on Parts and on Service under normal use.				
20.	PH BENCHTOP METER, measuring range pH-2... 16.-2000... 2000 mV.; temperature: -10... 100 °C, ISE 0... 30000 ppm; Display Graphic: LCD Display. 128 x 64 pixel, backlid storage; Calibration: 3; channels: 1; protection: IP 40; interface: USB; Power supply: external power supply 5 V DC of 100-240 V. 50/60 Hz. power input: 5 Watts; Features: with new functionality such as AutoRead and CMC; Reproducible measuring results with active AutoRead function; Simple calibration with adjustable calibration timer; user-friendly keyboard with large, easy to read LCD display; Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.	2	unit		
21.	PIPETTOR SET, with stand, P2, P20, P200, P1000 0.2 to 2 µL (P2L), 2 to 20 µL (P20L), 20 to 200 µL (P200L), 100 to 1000 µL (P1000L), 500 to 5000 µL and 1000 to 10,000 µL, Autoclavable, Material: Polypropylene, Stainless Steel, With compatible tips in a rack; 10 racks each, Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker; Warranty: For Equipment, One (1) Year on Parts and on Service under normal use.	2	set		
22.	POWDER GRANULE MIXING MACHINE, Voltage: 380V, Power: 2.2KW, Capacity: 200kg, Rotating Speed: 15rpm, Machine Material: Stainless Steel"	1	unit		
23.	REFRACTOMETER, Brix refractometer- Handheld with protective case, calibration screwdriver and owner's manual; Range: 0-50% or 0-90% Brix; Resolution: 0.2-0.5%	1	unit		
24.	RETARDER PROOFER, Name: 32 trays Bread proofer, Power: 2000w, Voltage: 220v, Temperature: 30-100 °C,	1	unit		

	Humidity: 60% -99%, Timing: 0-99min, Size: 870 * 1000 * 2000m"				
25.	SMALL RETORT MACHINE, Voltage: 220V/380V, Power: 6.2kw, Weight: 260 KG, Dimension(L*W*H): 1993*1040*1842, Warranty: 2 years, Product name: Multi-functional small retort machine, Material: SS304 or 316 Stainless Steel, Design Temperature: 147 Degree Centigrade, Heating way: Boiler Steam Heating/electric, Sterilizing Type: water immersion,Feature 01: Meet ASME/CE standard."	1	unit		
26.	STAINLESS STEEL KITCHEN TABLE, Dimension: 2150mmL x 600mmW x 850mmH + 150mmBS; 16Ga(1.5mmthk) SS Sheet for Top Plate, Back Splash & Stiffeners; 18Ga(1.2mmthk) SS Sheet for Body Panels, Mid & Bottom Shelves; 20Ga(1.0mmthk) SS Sheet for Drawers and Door Panels; Concealed Hinges-Soft Closing; Drawer Slides"	6	unit		
27.	TABLETOP PORTABLE DOUGH SHEETER, Voltage: 220V/110V/380V 50Hz/60Hz, Customized: Customized, Material: Stainless Steel, Power: 1100W, Weight: 80kg, Capacity: 20L-130L, Key Selling Points: High Productivity, Packing Size: 480*830*970mm, Barrel Size: 360*215mm, Dough Weight: 8kg--100kg, Transport Package: Wooden Box, Specification: 94*49*97CM,"	1	unit		
28.	THERMAL CYCLER, Specifications: Unit Dimensions (cm): 24 * 42 * 25((- 10)%) Capacity: 1x 96-well plate; 12 * 8 * 0.2 mL strip tubes; 96 * 0.2mL tubes; Temperature Control: Calculated or block; Heating/Cooling Method: Peltier; Maximum Heating/Cooling Rate: 5°C 3.5 deg * C per second or better, Gradient Temperature Range: 30 - 99 deg * C temperature of each segment may be set independently (or better); Maximum Gradient Temperature Difference: 24 deg * C Lid Temperature: 30 - 115 deg * C Temperature Increments/Decrements: Yes; Time Increments/Decrements: Yes; Temperature Range: 4 * 99.9 deg * C Stability: plus/minus 0.5 deg * C or better; Uniformity: plus/minus 0.5 deg * C Input Voltage: 220V; Includes: AVR/UPS battery backup Additional: Certificate of Distributorship from Manufacturer; Training Certificate of Service Engineer from Manufacturer; Installation and Commissioning on Site; Hand on Training to End Users with Certificate with Calibration Certificate and Sticker, Warranty: For Equipment, Two Years on Parts and on Service under normal use.	1	set		

29.	VEGETABLE SPIN DRIER MACHINE, Vegetable Spin Drier Machine, Power: 180 watts, Size: 40*40*65cm, Capacity: 8 kg per time, Function: clean vegetables, vegetables are dried, dehydrated	1	unit		
30.	VORTEX MIXER, WITH ATTACHMENT ACCESSORIES, (Standard, universal, one hand insert and PCR plate) - Specifications: Type of movement: orbital; Shaking stroke:4.5 mm; Permissible shaking weight (incl. attachment): 0.5 kg; Motor rating input: 10 W; Motor rating output: 8 Permissible ON time: 100% Speed	1	unit		
Aggregate Bid Amount					

[Signature]
[Name of Authorized Signatory]
[Position/Title of Authorized Signatory]