PHILIPPINE BIDDING DOCUMENTS

PROCUREMENT OF VARIOUS EQUIPMENT FOR USE OF THE DIFFERENT/PROGRAMS AS REQUIRED BY THEIR RESPECTIVE CMO's IN ACCREDITATION AND COPC VISITS

022-25-PB

Government of the Republic of the Philippines

August 2025

Preface

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

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

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

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

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

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

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

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

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs - Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN - United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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





Email: university-bac@bicol-u.edu.ph MANILA OFFICE:

No. 4 Lopez St., M. H. del Pilar, Roosevelt Ave.

Quezon City, Manila, Philippines Telefax: (02) 921-1586





Invitation to Bid For Procurement of various **EQUIPMENT FOR USE OF THE DIFFERENT/PROGRAMS AS** REQUIRED BY THEIR RESPECTIVE CMO'S IN **ACCREDITATION AND COPC VISITS**

- The Bicol University-PDO, through the Corporate Budget approved by the Board of 1. Regents (C.O Fund 01) intends to apply the sum of Sixteen Million Four Hundred Thirty-Eight Thousand Four Hundred pesos (Php 16,438,400.00) being the ABC to payments under the contract for Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits. Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The Bicol University now invites bids for the above Procurement Project. Delivery of the Goods is required 60 calendar days. Bidders should have completed, within 5 years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
- 3. Bidding will be conducted through open competitive bidding procedures using a nondiscretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
- 4. Prospective Bidders may obtain further information from *Bicol University* and inspect the Bidding Documents at the address given below during 8:00AM-5:00PM
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on August 13, 2025 to September 4, 2025 from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Twenty-Five Thousand pesos &00/100 (Php 25,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees through electronic means by depositing payments for the bidding documents directly to Bicol University LBP Account, and transmittal of scanned bank verified deposit slip for the issuance of Official Receipt: Bank Account details are as follows:

Account Name	BU-STF (F-164)
Account Number	0132-0265-48

6. The *Bicol University* will hold a Pre-Bid Conference¹ on *August 22, 2025, 9:00AM* at 2F A.P Bonto Building, PRMO Conference Room, Legazpi City for Pre-Bid Conference, and/or through video conferencing or webcasting zoom, which shall be open to prospective bidders.

https://bicol-u-edu-ph.zoom.us/j/6282346738?pwd=7NXwaTYZZVbBPIRLCbz2inM9fvb6Y2.1

Meeting ID: 628 234 6738 Passcode: 809781

- 7. Bids must be duly received by the BAC Secretariat through at the office address indicated below on or before September 4, 2025, 8:30AM. Late bids shall not be accepted.
- 8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
- 9. Bid opening shall be on *September 4, 2025, 8:30AM* at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 10. For further information, please refer to:

BAC Secretariat
Bicol University
2/F A.P Bonto Building
BU Main Campus, Legazpi City
university-bac@bicol-u.edu.ph
Mobile no. 09171874046

11. You may visit the following websites:

For downloading of Bidding Documents: *Bicol University Website or https://bac.bicol-u.edu.ph* or FB page BU Procurement

(Original Signed)
SONNIE A. RAMOS, CPA, MBA
BAC Chairperson

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, BICOL UNIVERSITY wishes to receive Bids for the Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits, with identification number 022-25-PB.

The Procurement Project "Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits" is composed of [Lot 1-35 items and Lot 2-21 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 Sixteen Million Four Hundred Thirty-Eight Thousand Four Hundred pesos (Php 16,438,400.00).
- 2.2. The source of funding is Capital Outlay (C.O.) Fund 01.
 - a. GOCC and GFIs, the proposed Corporate Operating Budget

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. [Select one, delete other/s]
 - a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
 - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
 - iii. When the Goods sought to be procured are not available from local suppliers; or
 - iv. When there is a need to prevent situations that defeat competition or restrain trade.
 - b. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
 - a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on August 22, 2025, 9:00AM at PRMO Conference Room, 2F A.P Bonto, BU Main Campus, Legazpi City.

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 [state relevant period as provided in paragraph 2 of the **IB**] 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, exwarehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in the **BDS**.
 - b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in the **BDS**.

13. Bid and Payment Currencies

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

[Select one, delete the other/s]

- a. Philippine Pesos.
- b. [indicate currency if procurement involves a foreign-denominated bid as allowed by the Procuring Entity, which shall be tradeable or acceptable by the BSP].

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration² or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until *January 2, 2026*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

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.

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 14 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:
 - Option 1 One Project having several items that shall be awarded as one contract.
- 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

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet

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

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

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

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

Bid Data Sheet

ITB	
Clause	
5.3	 For this purpose, contracts similar to the Project shall be: a. Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits. b. completed within <i>five</i> (5) <i>years</i> prior to the deadline for the submission and receipt of bids.
7.1	Subcontracting is not allowed
12	The price of the Goods shall be quoted in Philippine Peso.
14.1	 The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than to two percent (2%) of ABCJ, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than to five percent (5%) of ABCJ if bid security is in Surety Bond.
19.4	The Project shall be awarded as follows: Option 1 – One Project having several items that shall be awarded as one contract.
20.2	No additional requirements.

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

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

3. Performance Security

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

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project. In addition to tests in the SCC, Section VII (Technical Specifications) shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

	Special Conditions of Contract
GCC Clause	
1	[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]
	Delivery and Documents –
	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:
	[For Goods supplied from abroad, state:] "The delivery terms applicable to the Contract are DDP delivered [indicate place of destination]. In accordance with INCOTERMS."
	[For Goods supplied from within the Philippines, state:] "The delivery terms applicable to this Contract are delivered [indicate place of destination]. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination."
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	For purposes of this Clause the Procuring Entity's Representative at the Project Site is [indicate name(s)].
	Incidental Services –
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:
	Select appropriate requirements and delete the rest.
	a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;b. furnishing of tools required for assembly and/or maintenance of the
	supplied Goods; c. furnishing of a detailed operations and maintenance manual for each
	appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

- e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- f. [Specify additional incidental service requirements, as needed.]

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

Spare Parts -

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

Select appropriate requirements and delete the rest.

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

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

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

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

Packaging -

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

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.

The outer packaging must be clearly marked on at least four (4) sides as follows:

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

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.

Transportation –

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.

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.

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. 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. **Intellectual Property Rights –** 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. Regular and Recurring Services -[In case of contracts for regular and recurring services, state:] "The contract for regular and recurring services shall be subject to a renewal whereby the performance evaluation of the service provider shall be conducted in accordance with Section VII. Technical specifications." 2.2 *No partial delivery/payment is allowed, state.* 4 No additional requirements.

Section VI. Schedule of Requirements

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

Item No.	Description	Quantity	Delivered, Weeks/Months
			SIXTY (60) calendar days after receipt of NTP
			Bidders must state here either "Comply" or "Not Comply" with the delivery period against each item in the bid
	Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits		

No.	Unit	Item Description	Quantity	Bidders must state here
		-	-	either " Comply " or " Not
				Comply" with the delivery
				period against each item in
				the bid
Procur	ement of V	Various Equipment for Use of	the Different	Programs as Required by
	•	CMO's in Accreditation and C		
Lot 1 -	- GENER	AL LABORATORY EQUIPN	MENT	
1	Unit	Flammable Storage Cabinet	1	
1	Oilit	Transmable Storage Cabinet	•	
		45 gal, 65" X 18" X 43", yellow		
		Bi-fold self-closing doors. Each door		
		can be latched open with a fusible		
		link. In case of fire, the link melts at		
		165 deg Fahrenheit closing the doors		
		automatically		
		Warning labels included.		
		2" high rim on cabinet bottom to		
		contain leaks		
		and spills with adjustable levelling glide for uneven		
		Non-sparking, three-point latching		
		mechanism		
		Additional security provided by keyed		
		paddle		
		Latch with removable panel to service		
		three-point		
		latching mechanism.		

		18-gauge double walled steel		
		construction, along with 1-1/20 air		
		spaces between the walls.		
		Durable powder coat paint to resist		
		solvents,		
		acids, and alkalies.		
		acido, and aircairco.		
		Two grounding attachment points at		
		the rear of		
		all cabinets for easy grounding.		
		Continuous full-door height piano		
		hinges. Polyethylene trays in the		
		bottom sill area catch incidental spills		
		and leaks.		
		Upper and lower diametrically		
		opposed side vent with flame arrestor		
		for proper venting.		
2	Set	Unmanned Aerial Vehicle (Drone)	8	
		with Accessories		
		Weight: 720g		
		Dimensions: 207x100.5x91.1mm		
		Video Transmission System: 04		
		Operating frequencies: 2.4 ghz, 5.1		
		ghz, 5.8ghz Max Transmission		
		Distance: Fcc:20km, CE:10km		
		Battery: 4241 mAh Li-ion d 4s		
		Battery weight: 267g		
		Flight time: 46 Mins Hover time: 42		
		Mins		
		Charge time: 65 Watts approx. 80		
		mins		
		Max Speed 21 m/s		
		Max ascent speed 10 m/s		
		Max wind resistance 12 m/s		
		Wax wind resistance 12 m/s		
		Main camera: CMOS 1/1.3 inch 48		
		MP 24 mm equivalent, FOV 82°,		
		Aperture f/1.7 Medium telecamera:		
		CMOS 1/1.3 inch 48 MP 70 mm		
		equivalent, FOV 35°, Aperture f/2.8		
		Max Image Size 8064 x 6048 Photo		
		Resolution 12 MP and 48 MP Video		
		Resolution 4K up to 100 fps FHD up		
		to 200 fps 2.7K vertical shooting at up		
		to 60 fps FHD vertical shooting at up		
		to 60 fps		
		Hovering Accuracy		
		Hovering Accuracy		
		Vision Positioning:		
		Vertical: ±0.3' / 0.1 m		
		Horizontal: ±1.0' / 0.3 m		
		GNSS		
		Vertical: ±1.6' / 0.5 m		
		High-Precision Positioning System		
		Horizontal: ±1.6' / 0.5 m		
		1		
		Inclusions:		
		Drone x 1		
		Drone Remote Controller x 1		

		Drone Intelligent Flight Battery x 1		
		Low-Noise Propellers (Pair) x 6		
		Battery Charging Hub x 1		
		Shoulder Bag x 1		
		Drone Gimbal Protector x 1		
		Type-C to Type-C Cable x 1		
		Additional Inclusion:		
		One (1) Remote Control (Android)		
		Two (2) Extra Flight batteries		
		One (1) Foldable Landing Gear		
		One (1) Set ND Filters		
		One (1) Extra propeller set (Low-		
		Noise Propellers)		
		One (1) 64Gb Compatible Memory		
		Card		
		One (1) Hard Case compatible with		
		the drone		
		Training, CAAP Licensing support,		
		and Aircraft Insurance		
3	Set	UAV with Multispectral + RGB	2	
		Imaging System with Accessories		
		maging eyetem man / teceseemee		
		Aircraft		
		Technical Specifications:		
		Maximum Horizontal Speed: 21 m/s		
		Maximum Ascent Speed: 8 m/s		
		Maximum Descent Speed: 6 m/s		
		Maximum Wind Resistance: 12 m/s		
		Flight Ceiling: 6000m		
		Maximum Flight Time: 43min		
		Maximum Hover Time: 37min		
		Maximum Tilt Angle: 30°-35°		
		Hovering Accuracy: RTK, Horizontal:		
		± 0.1 m, Vertical: ± 0.1 m, GNSS,		
		Vertical: ± 0.5 m		
		Vision Positioning: Horizontal: ± 0.3		
		m, Vertical: ± 0.1 m		
		Maximum Angular Velocity: 200°/s		
		(Pitch)		
		Rotor Configuration: 4		
		Operating Temperature: -10 to 40°C		
		Camera		
		Image Sensor: 4/3"-Type CMOS		
		Sensor Resolution: Effective: 20		
		Megapixel		
		20MP RGB & 4 x 5MP Multispectral		
		Camera		
		Green, Red, Red Edge & Near		
		Infrared		
		Focal Length: 24mm (35mm		
		Equivalent)		
		Field of View: 84°		
		Maximum Aperture: f/2.8		
		Minimum Aperture: f/11		
		Minimum Focus Distance: 1m		
		ISO Sensitivity Range: 100 to 6400		
		Constituting italians in the to o roo	i	

Shutter Speed: Electronic Shutter, 1/8000 to 8 Seconds, Mechanical Shutter, 1/2000 to 8 Seconds Internal Recording Modes: H.264/MP4/MPEG-4, 3840 x 2160 at 30.00 fps [130 Mb/s], 1920 x 1080 at 30.00 fps [70 Mb/s] Still Image Support: DNG / JPEG, 20 MP (5280 x 3956) Photo Modes: Burst Shooting, Single Shot

Gimbal

Number of Axes: 3-Axis (Pitch (Tilt), Roll, Yaw (Pan))
Rotation Range: Mechanical
Range.7, Pitch (Tilt): 180° (-135 to 45°), Roll: 90° (-45 to 45°), Yaw (Pan): 54° (-27 to 27°), Controllable Range, Pitch (Tilt): 125° (-90 to 35°)
Follow Speed: Tilt: 100°/s
Stabilization Accuracy: ±0.007°

Vision/Sensing System Vision System: Downward / Upward / Forward / Backward / Left / Right Sensing System Capabilities: Forward, Measurement Range: 0.5 to 20 m, Detection Range: 0.5 to 200 m, Max Speed: 15 m/s Field of View: 90° (Horizontal) / 103° (Vertical), Backward, Measurement Range: 0.5 to 16 m Max Speed: 12 m/s. Field of View: 90° (Horizontal) / 103° (Vertical), Lateral, Measurement Range: 0.5 to 25 m, Max Speed: 15 m/s. Field of View: 90° (Horizontal) / 85° (Vertical), Upward, Measurement Range: 0.2 to 10 m, Max Speed: 6 m/s, Field of View: 100° (Vertical) / 90° (Horizontal) Downward, Measurement Range: 0.3 to 18 m, Max Speed: 6 m/s, Field of View: 130° (Vertical) / 160° (Horizontal)

Operating Environment: Surface with Clear Patterns at >15 lux Required Object Reflectivity: >20%

Remote Controller / Transmitter Control Method: Included Transmitter Operating Frequency: 2.4 GHz (2.400 to 2.4835), 5.8 GHz (5.725 to 5.850) Maximum Operating Distance: 9.3 Miles / 15 km Transmitter Power: 2.4/5.8 G: 33 dBm Transmitter I/O: 1x Mini-HDMI Output

Battery Type: 1x Built-In

		Battery Chemistry: Lithium-Ion		
		Battery Capacity: 5000 mAh		
		Wi-Fi: Wi-Fi 6 (802.11ax) with MU-		
		MIMO Support (2 x 2)		
		Bluetooth: 5.1		
		Mobile App Compatible: Yes: Android		
		Only		
		Built-In Display Size / Type: 5.5" LCD		
		Display Resolution: 1920 x 1080		
		Display Brightness: 1000 nits / cd/m2		
		Flight Battery		
		Battery Capacity: 5000 mAh / 77 Wh		
		Battery Configuration: 4 S / 15.4 V		
		Maximum Charging Power: 17.6 V		
		Charging Temperature: 41 to 104°F /		
		5 to 40°C		
		Charren		
		Charger		
		AC Input Power: 100 to 240 VAC, 50 / 60 Hz at 2.5 A		
		Power Rating: 100 W		
		1 Swor Raung. 100 W		
		General		
		GNSS Support: GPS, GLONASS,		
		Galileo		
		Weight: 2.1 lb / 951 g (With		
		Propellers)		
		2.3 lb / 1050 g Maximum for Takeoff		
		1Year warranty and support		
		Treat warranty and support		
		Inclusions		
		Three (3) Additional Compatible		
		Flight Batteries		
		One (1) Charging Hub		
		100w USB-C Portable Charger/		
		Power Adapter		
		USB-C Cable		
4	Set	UAV with LIDAR + RGB Survey	1	
		Camera with Accessories		
		Aircraft (Drone)		
		Dimensions (unfolded, without		
		propellers)		
		810×670×430 mm (L×W×H)		
		Dimensions (folded, with propellers)		
		430×420×430 mm (L×W×H)		
		Diagonal Wheelbase: 895 mm Weight (with single downward gimbal)		
		Without batteries: Approx. 3.77 kg		
		Thailout buttories. Approx. 5.11 kg		
		With two TB65 batteries:		
		Approx. 6.47 kg		
		Single Gimbal Damper's Max		
		Payload: 960 g		
		Max Takeoff Weight: 9.2 kg		
		Operating Frequency		
		2.4000-2.4835 GHz		
		5.150-5.250 GHz (CE: 5.170-5.250		

GHz) 5.725-5.850 GHz Transmitter Power (EIRP) 2.4000-2.4835 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.150-5.250 GHz (CE: 5.170-5.250 GHz): < 23 dBm (CE) 5.725-5.850 GHz: < 33 dBm (FCC/SRRC) < 14 dBm (CE) Hovering Accuracy (with moderate or no wind) Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) ±0.1 m (with RTK positioning) Horizontal: ±0.3 m (with vision positioning) ±1.5 m (with GNSS positioning) ±0.1 m (with RTK positioning) RTK Positioning Accuracy (RTK FIX) 1 cm + 1 ppm (horizontal) 1.5 cm + 1 ppm (vertical) Max Angular Velocity Pitch: 300°/s Yaw: 100°/s Max Pitch Angle: 30° Max Ascent Speed: 6 m/s Max Descent Speed (vertical): 5 m/s Max Tilted Descent Speed: 7 m/s Max Horizontal Speed: 23 m/s Max Flight Altitude: 5000 m When using the 2110s propellers and with the takeoff weight ≤ 7.4 kg. Max Wind Speed Resistance: 12 m/s Max Flight Time: 55 minutes Supported Gimbal Configurations Single downward gimbal Single upward gimbal Dual downward gimbals Single downward gimbal + single upward gimbal Dual downward gimbals + single upward gimbal Ingress Protection Rating: IP55 Global Navigation Satellite System GPS + GLONASS + BeiDou + Galileo Operating Temperature -20° to 50° C (-4° to 122° F)

Remote Controller

Screen 7.02-inch LCD touchscreen: resolution: 1920×1200; max brightness: 1200 nits Weight Approx. 1.25 kg (without WB37 battery) Approx. 1.42 kg (with WB37 battery) Global Navigation Satellite System GPS + Galileo + BeiDou **Built-in Battery** Type: Li-ion (6500 mAh@7.2 V) Charging Type: Use the battery station or USB-C fast charger with a max power of 65 W (max voltage of 20 V). Charging Time: 2 hours Chemical System: LiNiCoAlO2 External Battery (WB37 Intelligent Battery) Capacity: 4920 mAh Voltage: 7.6 V Type: Li-ion Energy: 37.39 Wh Chemical System: LiCoO2 Ingress Protection Rating IP54 Operating Time Built-in Battery: approx. 3.3 hours Built-in Battery + External Battery: approx. 6 hours Operating Temperature -20° to 50° C (-4° to 122° F) Operating Frequency 2.4000-2.4835 GHz 5.725-5.850 GHz Transmitter Power (EIRP) 2.4000-2.4835 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.725-5.850 GHz: < 33 dBm (FCC) < 14 dBm (CE) < 23 dBm (SRRC) Wi-Fi Protocol Wi-Fi 6 Wi-Fi Operating Frequency 2.4000-2.4835 GHz 5.150-5.250 GHz 5.725-5.850 GHz Bluetooth Protocol Bluetooth 5.1 Bluetooth Operating Frequency 2.4000-2.4835 GHz Video Transmission Video Transmission System Antenna

4 video transmission antennas, 2T4R Max Transmission Distance (unobstructed, free of interference) 20 km (FCC) 8 km (ČE/SŔRC/MIC) Max Transmission Distance (with interference) Low Interference and Obstructed by Buildings: approx. 0-0.5 km Low Interference and Obstructed by Trees: approx. 0.5-3 km Strong Interference and Unobstructed: urban landscape, approx. 1.5-3 km Medium Interference and Unobstructed: suburban landscape, approx. 3-9 km Low Interference and Unobstructed:

suburb/seaside, approx. 9-20 km

Vision System Obstacle Sensing Range Forward/Backward/Left/Right: 0.7-40 Upward/Downward: 0.6-30 m FOV Forward/Backward/Downward: 65° (horizontal), 50° (vertical) Left/Right/Upward: 75° (horizontal), 60° (vertical) Operating Environment Surfaces with discernible patterns and adequate lighting (lux > 15) Infrared Sensing System Obstacle Sensing Range 0.1-8 m FOV 30° (±15°) Operating Environment Large, diffuse, and reflective obstacles (reflectivity > 10%)

LED Auxiliary Light Effective Illumination Distance: 5 m Illumination Type: 60 Hz, solid glow

FPV Camera Resolution: 1080p FOV: 142° Frame Rate: 30fps

Flight Battery

Capacity: 5880 mAh Voltage: 44.76 V Type: Li-ion Energy: 263.2 Wh Weight Approx. 1.35 kg Operating Temperature -20° to 50° C (-4° to 122° F) Ideal Storage Temperature

22° to 30° C (71.6° to 86° F) Charging Temperature -20° to 40° C (-4° to 104° F)

Intelligent Battery Station Dimensions: 580×358×254 mm (L×W×H) Net Weight: Approx. 8.98 kg Compatible Stored Items Eight TB65 Intelligent Flight Batteries Four WB37 Intelligent Batteries Input Voltage 100-120 VAC, 50-60 Hz 220-240 VAC, 50-60 Hz Max Input Power 1070 W **Output Power** 100-120 V: 750 W 220-240 V: 992 W Operating Temperature

LIDAR + RGB Camera Module

-20° to 40° C (-4° to 104° F)

20MP

1-inch CMOS on a 3-axis stabilized gimbal
Mechanical Shutter
Integrates a Lidar module, an RGB camera, and a high-accuracy IMU
High Efficiency - 2 km² covered in a single flight
High Accuracy: Vertical Accuracy: 5 cm / Horizontal Accuracy: 10 cm
Point Rate: 240,000 pts/s
Supports 3 Returns
Detection Range: 450 m (80% reflectivity, 0 klx)
IP44 Ingress Protection Level
Point Cloud LiveView

Battery Station

Fully charge a battery in up to 70 minutes
Built-in padlock holes for added security with optional padlocks
Battery station securely closes via two built-in locking clasps
Built-in carry handle
Built-in pressure valve
Air intake and air vent
Status LEDs
Firmware updates via USB Type-C

Compatible Intelligent Flight Battery

Capacity: 5880 mAh Voltage: 44.76 V Type: Li-ion

		Energy 262 2 M/h		
		Energy: 263.2 Wh Weight: Approx. 1.35 kg		
		Wolghii Approxi 1.00 kg		
		1 Year Warranty on Parts and Support		
5	Set	Analog Speech Lab – with	1	
	300	Multimedia (35seaters)	-	
		4		
		1 unit master console with table Size 24'x44"x30 (w x h x L)		
		6126 2 1 X 1 1 X 60 (W X 11 X 2)		
		1 unit stage carpet		
		Size:4.5ft x 5ft L x 6" elevation		
		2units speaker with amplifier		
		100watts		
		35 units student cubicle with front		
		glass		
		Size: 18" Depth x 24" L x 48"H		
		35 units student control		
		36 units headset with microphone		
6	Unit	Laptop	1	
		42th Can latel Cana :7 4202011		
		13th Gen Intel Core i7-13620H Processor 2.4 GHz (24M Cache, up		
		to 5 GHz, 14 cores: 6 P-cores and 8		
		E-cores) 16GB DDR5-4800 SO-		
		DIMM, Max Capacity: 32GB, Support		
		dual channel memory 512GB PCle		
		4.0 NVMe M.2 SSD 15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level,		
		Anti-glare display, sRGB:100%,		
		Adobe:75.35%, Refresh Rate:144Hz,		
		G-Sync, MUX Switch + NVIDIA		
		Advanced Optimus NVIDIA GeForce		
		RTX 4050 Laptop GPU, 2420MHz* at 140W (2370MHz Boost		
		Clock+50MHz OC, 115W+25W		
		Dynamic Boost), 6GB GDDR6 Wi-Fi		
		6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card		
		Windows 11 Home		
7	Unit	4k Gasoline Engine with	1	
0	TT 24	Transmission and Stand SMART/ Android TV 65inches	11	
8	Unit	SWAKT/ AHUTOIU I V DOINCHES	11	
		Resolution: 4K (3,840x2,160)		
		Connectivity: 3		
		USB: 2 x USB-A Product type: QLED		
		Display:		
		Screen Size: 65"		
		Refresh Rate: 60Hz		
		Video: Picture Engine: Quantum Processor		
		Lite 4K		
		HDR: Quantum HDR		

HDR 10+: Support Al Upscale: 4K upscaling Contrast: Dual LED Micro Dimming: Supreme UHD Dimming Contrast Enhancer: Yes Motion Technology: Motion Xcelerator Smart Calibration: Basic Filmaker Mode (FMM): Yes Object tracking Sound: OTS Lite Q-Symphony: Yes Sound Output (RMS): 20W Speaker type: 2CH Adaptive Sound: Yes **Smart Service:** Web browser: Yes Smart Things Hub/Quick Remote: Yes **Smart Feature:** Multi Device Experience: Mobile to TV, TV initiate mirroring, Sound mirroring, wireless TV ON, Tap View Multi view: up to 2 videos Ambient Mode: Ambient NFT: Nifty Gateway Apple Airplay: Yes Daily+: Yes **Game Feature:** Auto Game Mode (ALLM): Yes Game Motion Plus: Yes Super Ultra Wide Game View: Yes Mini Map Zoom: Yes HGiG: Yes Tuner/Broadcasting: Digital Broadcasting: ISDB-T Analog Tuner: Yes TV Key Support: Yes Connectivity: HDMI: 3 USB: 2 x USB-A HDMI (High Frame Rate): 4K 60Hz (for HDMI 1/2/3) Ethernet (LAN): 1 Digital Audio Out (Optical): 1 RF In (Terrestrial/Cable input): 1/1 (Common Use for Terrestrial)/0 Wi-FI: Yes (WiFi 5) Bluetooth: Yes (BT5.2) Anynet+(HDMI-CEC): Yes HDMI Audio Return Channel: eARC/ARC Design: AirSlim **Accessibility:** Accessibility-Voice Guide: UK English, Chinese, Korean,

Indonesian, Vietnamese

		Low Vision Support: Audio		
		Description, Zoom Menu		
		and Text, High Contrast,		
		SeeColors, Color Inversion,		
		Grayscale, Auto Picture Off		
		Hearing Impaired Support: Closed		
		Caption (subtitle), multi-		
		output audio, sign language		
		zoom		
		Motor Impaired: Slow button, repeat,		
		remote control app. For all.		
		Power & Eco Solution:		
		Eco Sensor: Yes		
		Power Supply: AC100-240V, 50/60Hz		
		Power consumption 175W		
		Auto Power off: Yes		
		Auto Power Saving: Yes		
		Package size (WxHxD):		
		1612x950x164 mm		
		Accessory:		
		Remote Controller Model: TM2360E		
		Slim Fit Wall-mount support: Yes		
		Optional stans support: Yes		
		Mini Wall Mount support: Yes		
		User Manual: Yes		
		Full motion slim wall mount: Yes		
		Webcam Support: Yes		
		Zigbee/Thread Module: Built in		
		Power cable: Yes		
		Wall brackets included		
9	Unit	Wall brackets included Engine Scanner	3	
9	Unit		3	
9	Unit		3	
9	Unit	Engine Scanner	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds	3	
9	Unit	Engine Scanner Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0,	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz,	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel heavy trucks, J2534 Programming	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel	3	
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9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel heavy trucks, J2534 Programming +ECU Online Coding, All System Diagnostics	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel heavy trucks, J2534 Programming +ECU Online Coding, All System Diagnostics + Bi-directional control	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel heavy trucks, J2534 Programming +ECU Online Coding, All System Diagnostics + Bi-directional control +Over 50+ maintenance features +Auto Auth for FCA SGW	3	
9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel heavy trucks, J2534 Programming +ECU Online Coding, All System Diagnostics + Bi-directional control +Over 50+ maintenance features	3	
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9	Unit	Display/size: Color touchscreen/5inch Bluetooth/ handheld: No/Yes I/M Readiness Test: Yes Displays live data: Yes Number of Keys: 4 Warranty: 2 years Size 9.1 x 4.9 x1.4 inches Weight: 1.6 pounds 10.1in Touch Screen, Android 10.0, 6300mAh, 2.0GHz and 4 core, BT5.1 Bluetooth, Dual-wifi 2.4GHz/ 5GHz, 4GB RAM and 64GB ROM, 8.0MP camera OEM topology mapping + compatibility with 12V & 24Vdiesel heavy trucks, J2534 Programming +ECU Online Coding, All System Diagnostics + Bi-directional control +Over 50+ maintenance features +Auto Auth for FCA SGW +CANFD & DOIP, Power Balance Test	3	

		+Matching +Flash Hidden Functions + Setting & Changeover +Modification +Offline Coding + Initialization + Adaptation + Matching+ Customization + Personalization. Engine Scanner, Smartlink C, US/UK/EU Plug, HD15F to OBDII 16 Connector, Type-A to Type-B USB cable, Type-A to Type-C USB cable, PIN envelope, Quick start Guide, User Manual. 12 Connectors & 4 Cables: BENZ-38, B-20, HONDA-3, TOYOTA-17, TOYOTA-22, GV-12, BZ-14, FORD 6+1, NISSAN14+16, CHRYSLER-6, Network Cable, KIA- 20, CIGARETTEER, MH12+16, Power cable clips, Fuse. Warranty: 2 years		
10	Unit	Lab center table with end sink – 10	2	
		seaters (Dimension: 3.5M (L) x 1.0M (W) x 0.9M (H) Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs Reagent rack: powder coated metal tubular framing & phenolic shelves with 8mm SS-304 rod Hardware: Adjustable plinth foot Electrical outlet – 2 units Powder coated outlet pedestal box		

		Alizacianosa Carle II di -		
		Aluminum Grab Handle Canacalad biagrap		
		Concealed hinges		
		Inclusion:		
		10 laboratory stools		
		Installation included		
11	Unit	Benchtop Furnace	1	
	CIII			
		Specifications: Max Temp.: 1400°C		
		Capacity: 4.5L Continuous working		
		temp: ≤ 1300°Cheating element: SiC		
		heating rod Thermal couple: S type		
		Chamber material: Alumina ceramic		
		fiber Heating rate: 0~30°C/mm,		
		suggest to be 10°C/min Thermal		
		control accuracy: ±1°Ctemperature uniformity: ±5°Cmax power: 4kW		
		Other features:* safety interlock with		
		automatic power off when furnace		
		door is opened* PID automatic		
		control via current limiting phase		
		angle fired resistor* Power control		
		with 30 segments programmable*		
		English labels (switches, buttons,		
		etc.)* Standard product certification*		
12	TT *4	Standard warranty Pressure Canner	3	
12	Unit	Pressure Canner	3	
		Specifications: Capacity: 41LOther		
		features:* Extra heavy duty cast		
		aluminum construction* Stay-cool		
		bake lite top handle* Geared steam		
		gauge* Automatic venting for safety		
		(safety control valve & over pressure		
		plug)* Pressure regulator weight		
		settings of 5, 10, 15 psi* Smooth, easy to clean satin finish* Double		
		thickness edges for additional		
		protection on points of heaviest		
		wear* with English User's Manual*		
		Standard product certification*		
		Standard warranty		
13	Unit	Mechanical Can Sealer	1	
		0 17 11 0 0001		
		Specifications: Power supply: 220V		
		(50/60Hz)Tank diameter: 45 ~ 110mmOther features:* Rust and		
		corrosion resistant treated surface*		
		Manual operation* Suitable for can		
		height range of 39-200mm* Simple		
		operation with an on/off switch and		
		foot switch to start sealing* with		
		English User's Manual* Standard		
		product certification* Standard		
1.4	TT *4	warranty	4	
14	Unit	Pasteurizer	1	
		Specifications: Capacity 75LMaterial:		
		SUS 304 stainless steel Power		
		supply: 220V (50/60Hz)Power		

		consumption: 2-9kWTemperatue: 0 ~		
		100°COperation: Automatic control,		
		with LED control panel Warranty: 3		
		years (core components)Other		
		features:* motorized stirrer*		
		Adjustable speed and temperature*		
		Three layered tank: beverage-hot		
		water-insulation* English labels		
		(switches, buttons, etc.)* English		
		User's manual* Standard product		
		certification* Standard warranty		
15	Unit	Benchtop Water Activity Meter	1	
		Specifications: Working temp: -10 ~		
		50°CWater activity: 0 ~ 1.000 aw		
		Working humidity: 0 ~ 95°CDisplay:		
		LCD Measurement time: 5 ~ 40 mins		
		Measurement Point: 1 ~ 4Temp.		
		coefficient: ≤ 0.0005/°CActivity		
		Repeat abili: ≤ 0.008Correction		
		mode: multi-point calibration, single-		
		point calibration Print function: Print		
		at the end of measurement; real-time		
		print Interface: USB Power supply:		
		220V (50/60Hz)Other features:*		
		English labels (switches, buttons,		
		etc.)* English User's manual*		
		Standard product certification*		
		Standard warranty		
16	Unit	Anaerobic System/Vacuum Glove	1	
		Box		
		Specifications: Dimension (WxDxH):		
		Specifications: Dimension (WxDxH):		
		420mm x 440mm x 450mmMain		
		420mm x 440mm x 450mmMain body: Transparent reinforced acrylic,		
		420mm x 440mm x 450mmMain body: Transparent reinforced acrylic, sealed lid Valve: 2, Φ8mm / Φ14mm		
		420mm x 440mm x 450mmMain body: Transparent reinforced acrylic, sealed lid Valve: 2, Φ8mm / Φ14mm (for intake and exhaust)Pressure		
		420mm x 440mm x 450mmMain body: Transparent reinforced acrylic, sealed lid Valve: 2, Φ8mm / Φ14mm (for intake and exhaust)Pressure resistance: approx. 133 Pa Other		
		420mm x 440mm x 450mmMain body: Transparent reinforced acrylic, sealed lid Valve: 2, Φ8mm / Φ14mm (for intake and exhaust)Pressure resistance: approx. 133 Pa Other features:* Includes 1 pair of gloves*		
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17	Unit	420mm x 440mm x 450mmMain body: Transparent reinforced acrylic, sealed lid Valve: 2, Φ8mm / Φ14mm (for intake and exhaust)Pressure resistance: approx. 133 Pa Other features:* Includes 1 pair of gloves* English labels* English User's manual* Standard product certification* Standard warranty Benchtop Vacuum Pump Specifications: Pump head: 1Speed of Evacuation: 30 L/Min Ultimate Vacuum: 200 mbar Pressure: ≥ 30	1	
17	Unit	420mm x 440mm x 450mmMain body: Transparent reinforced acrylic, sealed lid Valve: 2, Φ8mm / Φ14mm (for intake and exhaust)Pressure resistance: approx. 133 Pa Other features:* Includes 1 pair of gloves* English labels* English User's manual* Standard product certification* Standard warranty Benchtop Vacuum Pump Specifications: Pump head: 1Speed of Evacuation: 30 L/Min Ultimate Vacuum: 200 mbar Pressure: ≥ 30 Positive, Positive or negative	1	
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		_		
		Specifications: DSC range: 0 ~		
		±600mWTemperature range: -170 ~		
		650 °C		
		Heating rate: 0.1 ~ 80 °C / min		
		Temperature resolution: 0.001		
		°CTemperature fluctuations:		
		±0.01°CTemperature repeatability:		
		±0.1°C		
		DSC range: 0∼±600mW		
		DSC resolution: 0.001mW DSC		
		sensitivity: 0.001 mW		
		Display: 7 inches LCD touch screen		
		display Data interface: standard USB		
		connector Product standard:		
		ISO/TR10837:1991, ASTM D3895-		
		1998, ASTM E 967, ASTM E 968,		
		ASTM E 793, ASTM D 3895, ASTM		
		D 3417, ASTM D 3418, ISO 11357-		
		6Other features:* English labels*		
		Standard product certification*		
		Standard warranty		
19	Unit	Forced Air Drying Oven	1	
		Capacity: 43LCirculation: Forced air		
		and Natural convection Dimensions:		
		Internal (W*D*H): 350mm * 359mm *		
		350mmDimensions: External		
		(W*D*H): 640mm * 500mm *		
		600mmTemp range: RT+10-300 °C		
		Temp fluctuation: ±1		
		Temp resolution: ±0.1 Uniformity:		
		≤Max. Temp. ±3.5°C Sensor:		
		Shelves: 2 pcs./adjustable		
		Display: LCD , real-time display of		
		parameters Running function: fixed		
		Value running, timing running Interior		
		finish: High-quality corrosion-resistant		
		stainless steel Exterior finish:		
		Galvanized with antimicrobial powder		
		coating Safety device: Leakage		
		protector; Over-temperature alarm		
		Power supply: 220V (50/60Hz)Other		
		features:* With observation window*		
		Anti-scalding door handle* With		
		limited temperature control sound		
		and light alarm system*		
		Microprocessor controller* English		
		labels* Standard product certification* Standard warranty		
20	Unit	UV-Vis Spectrophotometer	1	
20	Ont	2. The opening of the control of the	•	
		Specifications: Optical system:		
		Single-beam Wavelength range: 190		
		~ 1000nmBandwidth: 2nm		
		Wavelength repeatability: <0.3nm		
		Wavelength accuracy: ±1nm		
		Wavelength setting: Auto Photometric		
		accuracy: ±0.5%TPhotometric		
		repeatability: 0.2%Tphotometric		!
		range: -0.3 ~ 3A / 0 ~ 200%T		
		, , , , , , , , , , , , , , , , , , , ,		

		Stray light: ≤0.05%Tstability:		
		±0.001A/h @ 500nmDisplay: 128*64		
		LCD Detector: Silicon photodiode		
		Light source: Tungsten lamp & D2		
		lamp Output: USB Port & parallel port		
		Power supply: 220V ACInclusions:4		
		pcs. 1cm Glass cuvette2 pcs. 1cm		
		quarts cuvette Dust cover Other		
		features:* English labels* English		
		User's Manual* Standard product		
		certification* Standard warranty		
21	Unit	Vacuum Oven	1	
		Capacity: 25L		
		temp. Range: 1- ~ 200°Cambient		
		temp: 5 ~ 40 °C Temp. fluctuation:		
		±1°Cshelves: at least 2Vacuum		
		degree: <133 Pa Power supply: 220V		
		AC (50/60Hz)Other features:* PID		
		microprocessor temp control with		
		LCD display* Polished stainless steel		
		inner chamber* Silicone rubber seal		
22	Unit	Colorimeter	1	
		Specifications: Type: Economical		
		(small aperture) Color: Green		
		Geometry: D/8 (Diffused illumination,		
		8°viewing)		
		SCI (specular component		
		included),SCE (specular component		
		excluded)		
		Repeatability: Chromaticity Value:		
		Standard deviation ΔE*ab≤ 0.04		
		Average: dE*ab≤ 0.05		
		Max.: dE*ab≤ 0.08(When a white tile		
		is measured 30 times at 5 seconds		
		interval)		
		Inter-instrument agreement:		
		ΔE*ab≤0.4		
		Light source: LED		
		Sensor: CMOS		
		Spectroscopic method: Integrated		
		optics		
		Wavelength range: 400-700nm		
		Wavelength interval: 10nm		
		Reflectance Range: 0-200%		
		Reflectance Resolution: 0.01%		
		Measurement time: About 1 sec.		
		Storage capacity: 100 pieces of data		
		Language: English		
		Battery: Rechargeable, 8,000 times		
		continuous tests, 3.7V/3000mAh		
		Color Space and Indices:		
		Reflectance, CIE-Lab, CIE-LCh,		
		Hunter Lab, CIE-Luv, XYZ, Yxy,		
		RGB, Color Difference (ΔE*ab,		
		Δ E*cmc, Δ E*94, Δ E*00), Whiteness		
		Index (ASTM E313-00, ASTM E313-		
		73, CIE/ISO, AATCC, Hunter, Taube		
I	ĺ	Berger Stensby), Yellowness	1	

	l	L. I. (AOTM DAOOF, AOTM FOAO OO		
		Index(ASTM D1925, ASTM E313-00,		
		ASTM E313-73), Blackness		
		Index(My,dM), Staining Fastness,		
		Color Fastness, Tint(ASTM E313-00),		
		Color Density CMYK(A,T,E,M),		
		Metamerism Index Milm, Munsell,		
		Opacity, Color Strength		
		Software:		
		Color analysis software (Windows)*		
		Display: IPS full color screen ,2.4		
		inches		
		English User's manual* Flour		
		measuring device* Liquid measuring		
		device* Microprinter Other features:*		
		English labels* Standard product		
		certification* Standard warranty		
1		English labels* Standard product		
		certification* Standard warranty		
23	Unit	Munsell Book of Color	2	
		Specifications:* Glossy "master atlas"		
		of Munsell color* Complete range of		
		colors creating a physical model of		
		the Munsell Color Space* ≥ 1,600		
		removable high-gloss color sample*		
		Language: English		
24	Unit	Water Bath	1	
		O		
		Specifications: Temperature range: -5		
		Specifications: Temperature range: -5 ~ 100°CCapacity: 6LTank material:		
		~ 100°CCapacity: 6LTank material:		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp.		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller*		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English		
		~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product		
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm*	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm*	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm *	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise: ≤68dB LED Lamp: Intensity	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise:	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise: ≤68dB LED Lamp: Intensity ≥900Lx UV Lamp: emission of 253nm for decontamination Front	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise: ≤68dB LED Lamp: Intensity ≥900Lx UV Lamp: emission of 253nm for decontamination Front window: tempered glass, anti-UV	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise: ≤68dB LED Lamp: Intensity ≥900Lx UV Lamp: emission of 253nm for decontamination Front window: tempered glass, anti-UV Exterior body: Electro-galvanized	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise: ≤68dB LED Lamp: Intensity ≥900Lx UV Lamp: emission of 253nm for decontamination Front window: tempered glass, anti-UV Exterior body: Electro-galvanized steel with anti-bacteria powder	2	
25	Unit	~ 100°CCapacity: 6LTank material: SUS 304 Stainless steel Temp. accuracy: ±0.1°CTime range: 1 ~ 9999minsPower supply: 220V AC (50/60Hz)Other features:* With heating and cooling* PID controller* Over-temperature alarm* Protection device from overheating and overcurrent* English labels* English User's manual* Standard product certification* Standard warranty Fume Hood External size (WxDxH): 1220mm * 850mm * 2150mm Internal size (WxDxH): 1100mm * 730mm * 745mm Max opening: 520mm Work surface height: 750mm Blower: Buil-in centrifugal blowers, adjustable speed Air velocity: 0.3 ~ 0.8 m/s Noise: ≤68dB LED Lamp: Intensity ≥900Lx UV Lamp: emission of 253nm for decontamination Front window: tempered glass, anti-UV Exterior body: Electro-galvanized	2	

		hoord Dower gunnly 220\/ AC		
		board Power supply: 220V AC		
		(50/60Hz) Other features: * Water tap* Gas tap*		
		Sink* Base stand, 4 casters.		
26	Unit	Analytical Balance, 210g Capacity	1	
20	Cint	7 mary trout Balanco, 2 rog Supusity	•	
		Weighing capacity 210g		
		Resolution: 0.0001g		
		Stable time: ≤3s		
		Repeatability: ±0.0002g		
		Liner: ±0.0003g		
		Display: LCD (white back light with		
		black font)		
		Cal. Weight: External Calibration		
27	Unit	Air Oven	1	
		Cycle Mode: Dual Convection: Force		
		Air and Natural convection Capacity: 43liters		
		Temp Range: RT+10~300 °C		
		Temp Resolution: 0.1 °C		
		Temp. Fluctuation: ±1 °C		
		Temp. Uniformity: ≤Max. Temp.		
		±3.5°C		
		Shelves: 2pcs/adjustable		
		Consumption: 1300W		
28	Unit	Laboratory Autoclave	1	
		Working Chamber		
		Size (Ø x D)/Capacity: 400 x 600		
		mm/53 L Carrier (Ø x D): 1 of 350 x 550 mm		
		Gross Dimension/Weight: 970 x 720		
		x 1290 mm/97 kg		
29	Unit	Can Sealing Machine	1	
	01110	3		
		Automatic; Electric 220V; 220V-		
		SOHZ		
30	Unit	Universal Drying Oven	1	
		dicital based. Tananasatus saana uu		
		digital-based, Temperature range up		
		to +300 °C; Capacity up to 32 to 1060 litres volume; Temperature		
		display, timer set up, high-quality,		
		corrosion-resistant and easily		
		cleanable stainless steel for the		
		working chamber and housing		
31	Unit	Spectrophotometer	1	
		Wavelength Range: 190-1100nm;		
		Spectral Bandwidth: 2.0nm		
		Wavelength Accuracy: ±2nm ;		
		Photometric Accuracy. ±0.5%T		
32	Unit	Water Activity Meter	1	
32	Unit	Tator receiving motor	•	
		Operating temp.: 0° C to 50°C; with		
		case		
		Range 0-1.0aw		
		Resolution ±0.01aw		

		Accuracy ±0.02aw		
33	Unit		1	
33	Unit	Laboratory Table Dimension: 3.5M (L) x 1.0M (W) x 0.9M (H) Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene	1	
		laboratory pegboard 27-		
		pegs Reagent rack: powder		
		coated metal tubular framing & phenolic shelves with 8mm SS-304 rod		
		Hardware:		
		 Adjustable plinth foot Electrical outlet – 2 units Powder coated outlet 		
		pedestal box • Aluminum Grab Handle		
		Concealed hinges		
34	Unit	Incubator	1	
		Feature Digital PID Control Tempered safety glass window Dust-free gravity- flow convection Safety and convenience Specification Dimensions inner: 400 x 400 500 Outer: 550 x 610 x 850 Capacity: 80 Temperature range: ambient+15°c to 250c° Set accuracy: +1.0°c Uniformity: +5.0°c at 120°c Heater: 1.5kw Display: LED 4 Digits display Controller: PID Multi-Function Controller Alarm, Auto Tunning Timer: 99 min 59 sec/ 99hr 59min/99days 23ours /Continuous		
		selectable Material exterior: stainless steel Exterior: Epoxy powder coated steel Shelves: 2EA Door: tempered		

		glass window with silicone Packing (model without glass door available) Insulation: ceramic and glass wool Safety: over heat protector over current & December 220V		
35	Unit	50/60Hz Drying Oven	1	
		digital-based, Temperature ranges up to +300 °C; Capacity up to 32 to 1,060 litres volume; Temperature display, timer set up, high-quality, corrosion-resistant and easily cleanable stainless steel for the working chamber and housing		

Set	Sam Skeleton with Muscles and Ligaments on Hanging Stand	2	
	 Hand-painted muscle origins and insertions Flexible spine and ligaments Slipped disc between the 3rd and 4th lumbar vertebrae Protruding spinal nerves and vertebral arteries 3-part assembled skull with individually inserted teeth 		
	 Made from a durable, unbreakable synthetic material Top quality, life size natural casting Close to the realistic weight of around 200 bones Final assembly carried out by hand On a stable metal stand with 5 casters (painted white) Can be removed from stand Full flexibility of limbs on left side, right side has full flexibility of knee and hip with limited flexibility of elbow and shoulder Easy to remove limbs 		
	Provided with metal stand and transparent dust cover. 3-year parts warranty. Compatible with Anatomy App.		
2 Set	Complete Nursing Skills Manikin - Light	2	
	Complete lifelike range of motion, realistic patient positioning, and non-pinching joints - moves like a person.		

		_		_
		Lightweight - approximately 28		
		lbs.		
		Full-size adult manikin -		
		measures 58 in.		
		Overall female appearance		
		Converts to male with removal		
		of wig and attachment of male		
		genitals		
		Visual Inspection:		
		l 'a		
		Stage 1 Sacral Ulcer		
		Dilated and Constricted pupils		
		Reddened Skin Folds		
		Patient Care Simulation:		
		Bandaging and Wound Dressing		
		Bed Baths		
		 Clothing Changes 		
		Denture Placement and		
		Removal, Upper and Lower		
		Ear Canal Irrigation, Otic Drops,		
		and Hearing Aid Placement		
		Eye Irrigation		
		Finger and Toe Manipulation		
		with Bandaging - Flexible and		
		Individually Molded		
		Hair Care Washing and		
		Combing		
		· ·		
		Intramuscular Injection Sites: Arm Third Buttook		
		Arm, Thigh, Buttock		
		Oral and Nasal Hygiene:		
		Lavage, Gavage, and		
		Suctioning		
		Ostomy Care: Ileostomy and		
		Colostomy Tissue		
		Maintenance and Appliance		
		Application, Lavage, and		
		Suctioning		
		Patient Positioning		
		 Patient Transfer Techniques 		
		Pericare		
		Tracheostomy Care, Lavage		
		and Suctioning		
		also includes:		
		Gastrostomy Procedures,		
		Lavage and Gavage		
		Enema Administration, Female		
		Only		
		Urinary Catheterization, Female		
		and Uncircumcised Male		
		Pap Smears and Douching		
		Prostate Exam, Stage B		
		Nasogastric Tube Placement Internal Fluid Page 7 (2)		
		Internal Fluid Reservoirs		
		Five-Year Warranty.		
		Ship Weight: 32 lbs.		
	0 1	Dimensions. (inches): 11 x 37 x 24		
3	Set	CPR Mannequin/ Manikin Model	2	
		(Half Body)		

		1	-	
		Kit Includes: - (1) Adult Manikin - (1) Child Manikin - (1) Infant Manikin - (1) Nylon Carrying case - (10) Adult face-shield/ lung bags - (10) Child face-shield/ lung bags - (10) Infant face-shield/ lung bags - (10) Infant face-shield/ lung bags Adult, pedia, infant and family pack CPR Manikins Weight: 8.1pounds Color: Medium Tone and Dark Tone with LED Indicator		
4	Set	ECG Machine 3-Channel	1	
		 Ultra-compact and lightweight design High resolution color touch screen Comprehensive filters & amp; anti-noise technology Enhanced powerful technical specifications provides reliable signal quality 12-lead simultaneous acquisition and display Support linear / 2D barcoded scanner Signal quality identification Long time sampling Large storage capacity Support USB flask and micro SD to extend memory Built-in rechargeable Li-lon battery Bi-directional communication with SE-1515 Data Management System LAN/build-in Wi-Fi (optional) connections Multi-formates reports export (optional) Support external printer via USB port 		
5	Set	Includes: Birthing Simulator Detachable, padded stomach cover with advanced insert for caesarian section Inflatable uterus insert for Leopold Maneuver including cover that can be cut for caesarian section Birth canal (portio, cervix, vulva)	2	

		Footoning half		
		Fastening belt		
		Lubricant		
		Amniotic fluid and (100) inserts		
		Assembly kit		
		Fully articulating fetal baby		
		Fully articulating fetal baby		
		(19.29"/49cm;2.3lb./1.06kg)		
		Umbilical cord		
		Placenta		
6	Unit	Biosafety cabinet level II (Class II	1	
		A2)		
		Internal size: 1300mmW x 520D x		
		640mm H		
		External size: 1465mm W x 760mm D		
		x 2200mm		
		Tested Opening		
		Maximum opening 470mm:inflow		
		velocity: <0.5m/s; down flow velocity:		
		0.25~0.40m/s		
		Cleanliness level: ISO level 4		
		Filters: ULPA *2pcs		
		Filtration efficiency:		
	TT *4	≥99.9995%,@0.12µm	4	
7	Unit	Chemical/ solvent cabinet with	1	
		ducting and exhaust system		
		4000 W 500 D 0400 H		
	TT *4	1200mm W x 500mm D x 2100mm H	4	
8	Unit	Colony Counter	1	
		Constitution of Digital display 2 and		
		Specifications: Digital display: 3- or 4-		
		digit LED Display Power Supply: AC		
		120-240 V (50/60Hz) Lamp:		
		50WCounter capacity: 0 – 9999		
		Counting plate diameter: \$\phi\$155mm		
		Magnification: 3x-9xOther features:*		
		With sound indicator for correct		
		counting* Special pen* Magnifier		
		flexible arm* Standard product		
	TT *4	certification* Standard warranty	4	
9	Unit	Soxhlet Fat Extractor with	1	
		Recirculating Chiller		
		No of autroated complement hatch: 6		
		No. of extracted sample per batch: 6		
		Controller: 4.3-inch LCD touch screen		
		Electric heating power: 1000W temp		
		control range: RT +5 ~ 280°C		
		Temp. accuracy: ±1°C		
		Mode of heating: aluminum module		
		heating		
		Extraction sample volume: generally		
		2 ~ 5g, depending on sample		
		Solvent cup volume: 80mL		
		Warming up time: Approx 10 min		
		Measuring range: 0100%		
		Solvent recovery: >80%		
		Other features:* shortened extraction		
		time 20~80% *with temperature		
		sensor, high temperature control		

	T	manaisian and mand uniformity Duilt	I	
		precision and good uniformity* Built- in circulating water pipeline*		
10	TT *4	* ''	4	
10	Unit	Kjeldahl Protein Analyzer	1	
		Sample tube type: diameter around		
		φ42mm		
		Measure range: 0.1mg ~ 240mg N		
		Analysis time: 5 ~ 10mins/sample		
		Recovery: ≥ 99.5%		
		Sampling: Solid ≤5g; Liquid ≤20ml		
		Burette accuracy: 2µL/step		
		Reproducibility: Average value relative error ±0.5%		
		Steam generator temp monitor: Yes		
		Condenser material: anticorrosion		
		metal Acid, alkali, and dilute water		
		adding quantified: Yes Automatic		
		Titration cup discharge and clean:		
		Yes Auto receiver solution adding:		
		Yes Safety door: Yes Data storage		
		capacity: 1000Power supply: 220V AC (50/60Hz)Other features:*		
		Automatic distillation and titration		
		functions designed based on classic		
		Kheldahl nitrogen determination		
		method* English labels* English		
		User's manual* Standard product		
11	T1:4	certification* Standard warranty Refrigerated Centrifuge	1	
11	Unit	Reingerated Centinuge	'	
		Max. Speed: 15,000rpm (200-		
		15,000rpm) in 100rpm increments		
		Max. RCF: 21,380×g, step: 10×g		
		Capacity: 1.5/2mL×24, 0.5mL×36,		
		PCR8×4, 5mL×12, 5mL×18		
		Temperature setting: -20°C- 40°C Acceleration and deceleration time:		
		25s↑25s↓		
		Motor Type: DC brushless motor		
		Safety Performance: Dual door lock,		
		over-speed detection, over-		
		temperature detection with Internal		
		diagnosis system		
		Power Requirements: 220V, 60Hz Noise: ≤56dB		
		Dimensions(mm): 332(Width) ×		
		553(depth) × 283(height)		
		Weight: 30kg		
12	Unit	Semi-micro Kjeldahl Nitrogen	1	
		Equipment		
		Heater Capacity: (VV):200 6 stepless variable type Width:		
		600mm; Depth: 220mm; Height:		
		560mm Exhaust tube Included;		
		Accessories: Kjeldahl flask: capacity		
		150mL with 6 bottles		
13	Unit	Crude Fat Analyzer	1	
		emp Pange: DI+5 ° C 250 ° C		
		emp. Range: RI +5 ° C-250 ° C; Measuring Range: Grain, feed,		
	L	I measuring range. Oralli, lood,	l	

			I	T
14	Unit	grease and various fat products with oil content in the range of 0.5%-60% Temperature Control Mode: Independent temperature control Capacity 6pcs/batch; Solvent Recovery: Automatic solvent recovery with valve Power Supply: AC 220V + 10%, 50HZ; External Size(W*D"H): Microbiological incubator	1	
1.		45 L capacity, Temperature range: RT+5~70 °C		
15	Unit	Circulation Mode: Natural Convection Ultrasonic Scaler	1	
		Optic with light Power supply-AC 100V-240V AC 50/60Hz Frequency-50Hz Capacity-60L/20Layers Disinfection time-15min With 1 year warranty		
16	Unit	Dental Chair	1	
		LED Lamp with sensor: Fitted with 6 light sources and sensor Ceramic cuspidor: rotatable 180° and removable Multi-functional foot pedal Big Main tray: Big size with 6-slotted tool holder & built-in film viewer Elegant side box Aluminum suction heads: assistant tray fitted strong & weak suction heads made of aluminum USA Air & Water tubes Microfiber leather upholstery Flash & adjustable light arm Double arm rest Stool chair with metal legs Folding assistant tray Built-in LED viewer Accessories include: Built-in scaler + lightcure + intraoral camera _ monitor		
17	Unit	Dental Training Mannequin/ Dental	2	
		Simulator		
		LED operating light.		
		Mannequin covered with silicone		
		mask. Double articulating head neck.		

	ī	T		T
		Jaw- lateral and protrusive		
		movement. Magnet or screw type of		
		jaw.		
		Fits any type of typodont.		
		Can be reclined with lateral		
		movement for the head and the jaw.		
		Nas a base unit support.		
		Material used are plastic, aluminum		
		and stainless steel.		
		Safety positioning lock for stability		
		and balance.		
		Stainless swing metal tray		
		Working tray in addition to the main		
		working table.		
		Main control panel system for 1 high		
		speed attachment, 1 low speed		
		attachment and 1 three-way syringe.		
		Assistant panel control system for 1		
		syringe, 1 saliva ejector, 2 extra		
		empty holder.		
		Foot control in all sides function.		
		Water flow system with 2 clear plastic tempered bottle.		
		Pressure gauge for safety control		
		reading.		
		Base with option of castor wheels or		
		fixed on the floor.		
		Dentist's stool with metal foot.		
		220V / 60 Hz.		
18	Unit	Peri-Apical X-Ray machine (Wall	1	
10		Mounted)		
		,		
		Rating voltage: ac 230v Frequency:		
		50/60hz Maximum power. 900va		
		Focal spot: 0.7mm Tube voltage:		
		70kv 10%		
		Radiation leakage: 1meter 0.14mgy/h		
		Exposure time range: 0.06-2.0s		
		Anode current: 7ma 2096		
		With 1 year warranty on parts and		
		service		
19	Unit	Wireless Endo Motor	1	
		Condition and double boundaries		
		- Cordless endodontic handpiece		
		- with torque and auto-reverse - power supply: AC 230V 50/60Hz		
		and battery pack		
		- Max torque: 4Ncm		
		- Charge/ continues use 90 min/1.2h		
		- speed range 100-2,500min		
		- slim head and neck		
		- 90 minutes quick charge with non-		
		contact type charger		
		- Large LCD panel		
		- Lightweight		
		Smart auto-reverse and alarm		
		function		
	I	At least Engagement for different file		
		-At least 5programs for different file		
		systems With 1 year warranty		

20	Unit	Fabricated Stainless Steel Necropsy Table Technical Specifications 48" wide x 96" long (122cm x 244cm) • Stainless steel top with raised edge • Stainless steel base construction • One drain hole • 2-way tilt • 6" swivel casters • Self-contained power unit (available 110V/60 cycle or other power configurations for international use) • Lowered height 15" (38cm) • Raised height 48" (122cm) • Rated for 2,500 lbs. (1,134 kg)	2	
21	Unit	Analytical Balance, 120g Capacity Capacity (g): 120 • Capacity (kg): 0.12 • Draft Shield Size: 240mm*190mm*265mm*" • Dimensions W", H", D": Display: LCD • Readability (g): 0.0001 • Linearity (g): ±0.0003 • Repeatability (g): ±0.0002 • Weighing units: g, mg, ct, oz, ib.• Stabilization time: ≤ seconds • Power (VAC): 110/220 VAC • Cal. Weight: Internal Calibration Warranty • One (1) year on parts and services under normal use Delivery • 30-60 days upon Receipt of PO, Notice of Award or Notice to Proceed Installation, • On-Site by a Certified and Trained Service Engineer Training • On-Site by a Certified and Trained Applications Specialist	1	

[signature]	[in the capacity of]
Duly authorized to sign Bid for and on behalf of _	

Section VII. Technical Specifications

Notes for Preparing the Technical Specifications

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

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

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

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a

particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

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

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

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

In case of Renewal of Regular and Recurring Services, the Procuring Entity must indicate here the technical requirements for the service provider, which must include the set criteria in the conduct of its performance evaluation.

Technical Specifications

Item	Specification	Quantity		Statemen	t of Compliance
			Comply each S perform Statement supporte reference form of uncondit compliat independ statement subseque presente for reje statement that is for post-que may be no	" against each of Specification ance paramete paramete paramete of "Comply ed by evidence ed to that evidence issued by dent test data that is not set will render the ction. A state of compliance ound to be false alification or the egarded as frageraled as frageraled as frageraled in the edgarded as frageraled as fragerale	re either "Comply" or "Not of the individual parameters of stating the corresponding or of the equipment offered. "" or "Not Comply" must be in a Bidders Bid and crossince. Evidence shall be in the un-amended sales literature, ents of specification and the manufacturer, samples, a etc., as appropriate. A supported by evidence or is e contradicted by the evidence of the Bidder's er or the supporting evidence either during Bid evaluation, he execution of the Contract adulent and render the Bidder prosecution subject to the uances.]
No.	Unit	Item Descr	intion	Quantity	Bidders must state here

No.	Unit	Item Description	Quantity	Bidders must state here
		1		either " Comply " or "Not
				Comply" against each of
				the individual parameters of
				each Specification stating
				the corresponding
				performance parameter of
				the equipment offered
D		Zaniana Empirorum A.C. a. II.a. a.C.	41 D: <i>CC</i>	
		Various Equipment for Use of	00	Programs as Requirea by
their R	espective (CMO's in Accreditation and C	OPC Visits	
Lot 1 -	- GENERA	AL LABORATORY EQUIPN	MENT	
1	Unit	Flammable Storage Cabinet	1	
		45 gal, 65" X 18" X 43", yellow Bi-fold self-closing doors. Each door		
		can be latched open with a fusible		
		link. In case of fire, the link melts at		
		165 deg Fahrenheit closing the doors		
		automatically		
		Warning labels included. 2" high rim on cabinet bottom to		
		contain leaks		
		and spills with adjustable levelling		
		glide for uneven		

	T			
		Non-sparking, three-point latching		
		mechanism		
		Additional security provided by keyed paddle		
		Latch with removable panel to service		
		three-point		
		latching mechanism.		
		18-gauge double walled steel		
		construction, along with 1-1/20 air		
		spaces between the walls.		
		Durable powder coat paint to resist		
		solvents,		
		acids, and alkalies.		
		Two grounding attachment points at		
		the rear of		
		all cabinets for easy grounding. Continuous full-door height piano		
		hinges. Polyethylene trays in the		
		bottom sill area catch incidental spills		
		and leaks.		
		Upper and lower diametrically		
		opposed side vent with flame arrestor		
		for proper venting.		
2	Set	Unmanned Aerial Vehicle (Drone)	8	
		with Accessories		
		\\\-:-\t 700		
		Weight: 720g Dimensions: 207x100.5x91.1mm		
		Video Transmission System: 04		
		Operating frequencies: 2.4 ghz, 5.1		
		ghz, 5.8ghz Max Transmission		
		Distance: Fcc:20km, CE:10km		
		Battery: 4241 mAh Li-ion d 4s		
		Battery weight: 267g		
		Flight time: 46 Mins Hover time: 42		
		Mins		
		Charge time: 65 Watts approx. 80		
		mins		
		Max Speed 21 m/s		
		Max ascent speed 10 m/s		
		Max wind resistance 12 m/s		
		Main camera: CMOS 1/1.3 inch 48		
		MP 24 mm equivalent, FOV 82°,		
		Aperture f/1.7 Medium telecamera:		
		CMOS 1/1.3 inch 48 MP 70 mm		
		equivalent, FOV 35°, Aperture f/2.8		
		Max Image Size 8064 x 6048 Photo		
		Resolution 12 MP and 48 MP Video		
		Resolution 4K up to 100 fps FHD up		
		to 200 fps 2.7K vertical shooting at up		
		to 60 fps FHD vertical shooting at up		
		to 60 fps		
		Hovering Accuracy		
		Vision Positioning:		
		Vertical: ±0.3' / 0.1 m		
		Horizontal: ±1.0' / 0.3 m		
		GNSS		

		Vertical: ±1.6' / 0.5 m		
		High-Precision Positioning System		
		Horizontal: ±1.6' / 0.5 m		
		Inclusions:		
		Drone x 1		
		Drone Remote Controller x 1		
		Drone Intelligent Flight Battery x 1		
		Low-Noise Propellers (Pair) x 6		
		Battery Charging Hub x 1		
		Shoulder Bag x 1		
		Drone Gimbal Protector x 1		
		Type-C to Type-C Cable x 1		
		Additional Inclusion:		
		One (1) Remote Control (Android)		
		Two (2) Extra Flight batteries		
		One (1) Foldable Landing Gear		
		One (1) Set ND Filters		
		One (1) Extra propeller set (Low-		
		Noise Propellers)		
		One (1) 64Gb Compatible Memory		
		Card		
		One (1) Hard Case compatible with		
		the drone		
		Training, CAAP Licensing support,		
		and Aircraft Insurance	_	
3	Set	UAV with Multispectral + RGB	2	
		Imaging System with Accessories		
		Aircraft		
		Technical Specifications:		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35°		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal:		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS,		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Hover Time: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch)		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch)		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Hover Time: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20 Megapixel		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20 Megapixel 20MP RGB & 4 x 5MP Multispectral		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20 Megapixel 20MP RGB & 4 x 5MP Multispectral Camera		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20 Megapixel 20MP RGB & 4 x 5MP Multispectral Camera Green, Red, Red Edge & Near		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20 Megapixel 20MP RGB & 4 x 5MP Multispectral Camera Green, Red, Red Edge & Near Infrared		
		Technical Specifications: Maximum Horizontal Speed: 21 m/s Maximum Ascent Speed: 8 m/s Maximum Descent Speed: 6 m/s Maximum Wind Resistance: 12 m/s Flight Ceiling: 6000m Maximum Flight Time: 43min Maximum Hover Time: 37min Maximum Tilt Angle: 30°-35° Hovering Accuracy: RTK, Horizontal: ± 0.1 m, Vertical: ± 0.1 m, GNSS, Vertical: ± 0.5 m Vision Positioning: Horizontal: ± 0.3 m, Vertical: ± 0.1 m Maximum Angular Velocity: 200°/s (Pitch) Rotor Configuration: 4 Operating Temperature: -10 to 40°C Camera Image Sensor: 4/3"-Type CMOS Sensor Resolution: Effective: 20 Megapixel 20MP RGB & 4 x 5MP Multispectral Camera Green, Red, Red Edge & Near		

Field of View: 84° Maximum Aperture: f/2.8 Minimum Aperture: f/11 Minimum Focus Distance: 1m ISO Sensitivity Range: 100 to 6400 Shutter Speed: Electronic Shutter, 1/8000 to 8 Seconds, Mechanical Shutter, 1/2000 to 8 Seconds Internal Recording Modes: H.264/MP4/MPEG-4, 3840 x 2160 at 30.00 fps [130 Mb/s], 1920 x 1080 at 30.00 fps [70 Mb/s] Still Image Support: DNG / JPEG, 20 MP (5280 x 3956) Photo Modes: Burst Shooting, Single Shot

Gimbal Number of Axes: 3-Axis (Pitch (Tilt), Roll, Yaw (Pan))

Rotation Range: Mechanical Range.7, Pitch (Tilt): 180° (-135 to 45°), Roll: 90° (-45 to 45°), Yaw (Pan): 54° (-27 to 27°), Controllable Range, Pitch (Tilt): 125° (-90 to 35°) Follow Speed: Tilt: 100°/s

Follow Speed: Tilt: 100°/s Stabilization Accuracy: ±0.007°

Vision/Sensing System Vision System: Downward / Upward / Forward / Backward / Left / Right Sensing System Capabilities: Forward, Measurement Range: 0.5 to 20 m. Detection Range: 0.5 to 200 m. Max Speed: 15 m/s Field of View: 90° (Horizontal) / 103° (Vertical), Backward, Measurement Range: 0.5 to 16 m Max Speed: 12 m/s, Field of View: 90° (Horizontal) / 103° (Vertical), Lateral, Measurement Range: 0.5 to 25 m, Max Speed: 15 m/s, Field of View: 90° (Horizontal) / 85° (Vertical), Upward, Measurement Range: 0.2 to 10 m, Max Speed: 6 m/s, Field of View: 100° (Vertical) / 90° (Horizontal) Downward, Measurement Range: 0.3 to 18 m, Max Speed: 6 m/s, Field of View: 130° (Vertical) / 160°

Operating Environment: Surface with Clear Patterns at >15 lux Required Object Reflectivity: >20%

(Horizontal)

Remote Controller / Transmitter Control Method: Included Transmitter Operating Frequency: 2.4 GHz (2.400 to 2.4835), 5.8 GHz (5.725 to 5.850)

		<u></u>		
		Maximum Operating Distance: 9.3		
		Miles / 15 km		
		Transmitter Power: 2.4/5.8 G: 33		
		dBm Transmitter I/O: 1x Mini-HDMI Output		
		Battery Type: 1x Built-In		
		Battery Chemistry: Lithium-Ion		
		Battery Capacity: 5000 mAh		
		Wi-Fi: Wi-Fi 6 (802.11ax) with MU-		
		MIMO Support (2 x 2)		
		Bluetooth: 5.1		
		Mobile App Compatible: Yes: Android		
		Only		
		Built-In Display Size / Type: 5.5" LCD		
		Display Resolution: 1920 x 1080		
		Display Brightness: 1000 nits / cd/m2		
		Flight Datton		
		Flight Battery Battery Capacity: 5000 mAh / 77 Wh		
		Battery Configuration: 4 S / 15.4 V		
		Maximum Charging Power: 17.6 V		
		Charging Temperature: 41 to 104°F /		
		5 to 40°C		
		Charger		
		AC Input Power: 100 to 240 VAC, 50		
		/ 60 Hz at 2.5 A		
		Power Rating: 100 W		
		General		
		GNSS Support: GPS, GLONASS,		
		Galileo		
		Weight: 2.1 lb / 951 g (With		
		Propellers)		
		2.3 lb / 1050 g Maximum for Takeoff		
		1Year warranty and support		
		Inclusions		
		Three (3) Additional Compatible		
		Flight Batteries		
		One (1) Charging Hub		
		100w USB-C Portable Charger/		
		Power Adapter		
	~	USB-C Cable		
4	Set	UAV with LIDAR + RGB Survey	1	
		Camera with Accessories		
		Aircraft (Drone)		
		Dimensions (unfolded, without		
		propellers)		
		810×670×430 mm (L×W×H)		
		Dimensions (folded, with propellers)		
		430×420×430 mm (L×W×H)		
		Diagonal Wheelbase: 895 mm		
		Weight (with single downward gimbal)		
		Without batteries: Approx. 3.77 kg		
		With two TB65 batteries:		
		Approx. 6.47 kg		
		, ippioni oi ii ng		

Single Gimbal Damper's Max Payload: 960 g Max Takeoff Weight: 9.2 kg Operating Frequency 2.4000-2.4835 GHz 5.150-5.250 GHz (CE: 5.170-5.250 5.725-5.850 GHz Transmitter Power (EIRP) 2.4000-2.4835 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.150-5.250 GHz (CE: 5.170-5.250 GHz): < 23 dBm (CE) 5.725-5.850 GHz: < 33 dBm (FCC/SRRC) < 14 dBm (CE) Hovering Accuracy (with moderate or no wind) Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) ±0.1 m (with RTK positioning) Horizontal: ±0.3 m (with vision positioning) ±1.5 m (with GNSS positioning) ±0.1 m (with RTK positioning) RTK Positioning Accuracy (RTK FIX) 1 cm + 1 ppm (horizontal) 1.5 cm + 1 ppm (vertical) Max Angular Velocity Pitch: 300°/s Yaw: 100°/s Max Pitch Angle: 30° Max Ascent Speed: 6 m/s Max Descent Speed (vertical): 5 m/s Max Tilted Descent Speed: 7 m/s Max Horizontal Speed: 23 m/s Max Flight Altitude: 5000 m When using the 2110s propellers and with the takeoff weight ≤ 7.4 kg. Max Wind Speed Resistance: 12 m/s Max Flight Time: 55 minutes Supported Gimbal Configurations Single downward gimbal Single upward gimbal Dual downward gimbals Single downward gimbal + single upward gimbal Dual downward gimbals + single

upward gimbal

Ingress Protection Rating: IP55

Global Navigation Satellite System GPS + GLONASS + BeiDou + Galileo Operating Temperature -20° to 50° C (-4° to 122° F) Remote Controller

Screen

7.02-inch LCD touchscreen; resolution: 1920×1200; max brightness: 1200 nits

Weiaht

Approx. 1.25 kg (without WB37

Approx. 1.42 kg (with WB37 battery) Global Navigation Satellite System GPS + Galileo + BeiDou

Built-in Battery

Type: Li-ion (6500 mAh@7.2 V)

Charging Type: Use the battery station or USB-C fast charger with a max power of 65 W (max voltage of

20 V).

Charging Time: 2 hours Chemical System: LiNiCoAlO2 External Battery (WB37 Intelligent

Battery)

Capacity: 4920 mAh Voltage: 7.6 V Type: Li-ion Energy: 37.39 Wh

Chemical System: LiCoO2 Ingress Protection Rating

IP54

Operating Time

Built-in Battery: approx. 3.3 hours Built-in Battery + External Battery:

approx. 6 hours **Operating Temperature** -20° to 50° C (-4° to 122° F) Operating Frequency 2.4000-2.4835 GHz

5.725-5.850 GHz Transmitter Power (EIRP)

2.4000-2.4835 GHz:

< 33 dBm (FCC)

< 20 dBm (CE/SRRC/MIC)

5.725-5.850 GHz:

< 33 dBm (FCC)

< 14 dBm (CE)

< 23 dBm (SRRC)

Wi-Fi Protocol

Wi-Fi 6

Wi-Fi Operating Frequency 2.4000-2.4835 GHz

5.150-5.250 GHz

5.725-5.850 GHz

Bluetooth Protocol

Bluetooth 5.1

Bluetooth Operating Frequency 2.4000-2.4835 GHz Video Transmission Video Transmission System

Antenna

4 video transmission antennas, 2T4R Max Transmission Distance (unobstructed, free of interference) 20 km (FCC) 8 km (CE/SRRC/MIC) Max Transmission Distance (with interference) Low Interference and Obstructed by Buildings: approx. 0-0.5 km Low Interference and Obstructed by Trees: approx. 0.5-3 km Strong Interference and Unobstructed: urban landscape, approx. 1.5-3 km Medium Interference and Unobstructed: suburban landscape, approx. 3-9 km Low Interference and Unobstructed: suburb/seaside, approx. 9-20 km

Vision System Obstacle Sensing Range Forward/Backward/Left/Right: 0.7-40 Upward/Downward: 0.6-30 m FOV Forward/Backward/Downward: 65° (horizontal), 50° (vertical) Left/Right/Upward: 75° (horizontal). 60° (vertical) Operating Environment Surfaces with discernible patterns and adequate lighting (lux > 15) Infrared Sensing System Obstacle Sensing Range 0.1-8 m FOV 30° (±15°) Operating Environment Large, diffuse, and reflective obstacles (reflectivity > 10%) LED Auxiliary Light Effective Illumination Distance: 5 m Illumination Type: 60 Hz, solid glow

FPV Camera Resolution: 1080p FOV: 142° Frame Rate: 30fps

Flight Battery Capacity: 5880 mAh Voltage: 44.76 V Type: Li-ion Energy: 263.2 Wh Weight Approx. 1.35 kg Operating Temperature -20° to 50° C (-4° to 122° F) Ideal Storage Temperature 22° to 30° C (71.6° to 86° F) Charging Temperature -20° to 40° C (-4° to 104° F)

Intelligent Battery Station Dimensions: 580×358×254 mm (L×W×H) Net Weight: Approx. 8.98 kg Compatible Stored Items Eight TB65 Intelligent Flight Batteries Four WB37 Intelligent Batteries Input Voltage 100-120 VAC, 50-60 Hz 220-240 VAC, 50-60 Hz Max Input Power 1070 W **Output Power** 100-120 V: 750 W 220-240 V: 992 W Operating Temperature -20° to 40° C (-4° to 104° F)

LIDAR + RGB Camera Module

20MP

1-inch CMOS on a 3-axis stabilized gimbal
Mechanical Shutter
Integrates a Lidar module, an RGB camera, and a high-accuracy IMU
High Efficiency - 2 km² covered in a single flight
High Accuracy: Vertical Accuracy: 5 cm / Horizontal Accuracy: 10 cm
Point Rate: 240,000 pts/s
Supports 3 Returns
Detection Range: 450 m (80% reflectivity, 0 klx)
IP44 Ingress Protection Level
Point Cloud LiveView

Battery Station

Fully charge a battery in up to 70 minutes
Built-in padlock holes for added security with optional padlocks
Battery station securely closes via two built-in locking clasps
Built-in carry handle
Built-in pressure valve
Air intake and air vent
Status LEDs
Firmware updates via USB Type-C

		Commetible Intelligent Filmbt		
		Compatible Intelligent Flight Battery		
		Capacity: 5880 mAh		
		Voltage: 44.76 V		
		Type: Li-ion		
		Energy: 263.2 Wh		
		Weight: Approx. 1.35 kg		
		1 Year Warranty on Parts and		
	Q .	Support	4	
5	Set	Analog Speech Lab – with Multimedia (35seaters)	1	
		1 unit master console with table Size 24'x44"x30 (w x h x L)		
		1 unit stage carpet Size:4.5ft x 5ft L x 6" elevation		
		2units speaker with amplifier 100watts		
		35 units student cubicle with front		
		glass		
		Size: 18" Depth x 24" L x 48"H		
		35 units student control		
		36 units headset with microphone		
6	Unit	Laptop	1	
		4211-0		
		13th Gen Intel Core i7-13620H Processor 2.4 GHz (24M Cache, up		
		to 5 GHz, 14 cores: 6 P-cores and 8		
		E-cores) 16GB DDR5-4800 SO-		
		DIMM, Max Capacity: 32GB, Support		
		dual channel memory 512GB PCIe		
		4.0 NVMe M.2 SSD 15.6-inch, FHD		
		(1920 x 1080) 16:9, Value IPS-level,		
		Anti-glare display, sRGB:100%, Adobe:75.35%, Refresh Rate:144Hz,		
		G-Sync, MUX Switch + NVIDIA		
		Advanced Optimus NVIDIA GeForce		
		RTX 4050 Laptop GPU, 2420MHz* at		
		140W (2370MHz Boost		
		Clock+50MHz OC, 115W+25W		
		Dynamic Boost), 6GB GDDR6 Wi-Fi		
		6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card		
		Windows 11 Home		
7	Unit	4k Gasoline Engine with	1	
		Transmission and Stand		
8	Unit	SMART/ Android TV 65inches	11	
		Resolution: 4K (3,840x2,160)		
		Connectivity: 3		
		USB: 2 x USB-A		
		Product type: QLED		
		Display:		
ĺ		Screen Size: 65"		

Refresh Rate: 60Hz Video: Picture Engine: Quantum Processor Lite 4K HDR: Quantum HDR HDR 10+: Support Al Upscale: 4K upscaling Contrast: Dual LED Micro Dimming: Supreme UHD Dimming Contrast Enhancer: Yes Motion Technology: Motion Xcelerator Smart Calibration: Basic Filmaker Mode (FMM): Yes Audio: Object tracking Sound: OTS Lite Q-Symphony: Yes Sound Output (RMS): 20W Speaker type: 2CH Adaptive Sound: Yes **Smart Service:** Web browser: Yes Smart Things Hub/Quick Remote: Smart Feature: Multi Device Experience: Mobile to TV, TV initiate mirroring, Sound mirroring, wireless TV ON, Tap View Multi view: up to 2 videos Ambient Mode: Ambient NFT: Nifty Gateway Apple Airplay: Yes Dailv+: Yes Game Feature: Auto Game Mode (ALLM): Yes Game Motion Plus: Yes Super Ultra Wide Game View: Yes Mini Map Zoom: Yes HGiG: Yes Tuner/Broadcasting: Digital Broadcasting: ISDB-T Analog Tuner: Yes TV Key Support: Yes Connectivity: HDMI: 3 USB: 2 x USB-A HDMI (High Frame Rate): 4K 60Hz (for HDMI 1/2/3) Ethernet (LAN): 1 Digital Audio Out (Optical): 1 RF In (Terrestrial/Cable input): 1/1 (Common Use for Terrestrial)/0 Wi-FI: Yes (WiFi 5) Bluetooth: Yes (BT5.2) Anynet+(HDMI-CEC): Yes HDMI Audio Return Channel: eARC/ARC

Design:

	T	<u></u>		
		AirSlim		
		Accessibility:		
		Accessibility-Voice Guide: UK		
		English, Chinese, Korean,		
		Indonesian, Vietnamese		
		Low Vision Support: Audio		
		Description, Zoom Menu		
		and Text, High Contrast,		
		SeeColors, Color Inversion,		
		Grayscale, Auto Picture Off		
		Hearing Impaired Support: Closed		
		Caption (subtitle), multi-		
		output audio, sign language		
		zoom		
		Motor Impaired: Slow button, repeat,		
		remote control app. For all.		
		Power & Eco Solution:		
		Eco Sensor: Yes		
		Power Supply: AC100-240V, 50/60Hz		
		Power consumption 175W		
		Auto Power off: Yes		
		Auto Power Saving: Yes		
		Package size (WxHxD):		
		1612x950x164 mm		
		Accessory:		
		Remote Controller Model: TM2360E		
		Slim Fit Wall-mount support: Yes		
		Optional stans support: Yes		
		Mini Wall Mount support: Yes		
		User Manual: Yes		
		Full motion slim wall mount: Yes		
		Webcam Support: Yes		
		Zigbee/Thread Module: Built in		
		Power cable: Yes		
		Wall brackets included		
9	Unit	Engine Scanner	3	
	0			
		Display/size: Color touchscreen/5inch		
		Bluetooth/ handheld: No/Yes		
		I/M Readiness Test: Yes		
		Displays live data: Yes		
		Number of Keys: 4		
		Warranty: 2 years		
		Size 9.1 x 4.9 x1.4 inches		
		Weight: 1.6 pounds		
		40.4% To all Occurs As Isolated O		
		10.1in Touch Screen, Android 10.0,		
		6300mAh, 2.0GHz and 4 core, BT5.1		
		Bluetooth, Dual-wifi 2.4GHz/ 5GHz,		
		4GB RAM and 64GB ROM, 8.0MP		
		camera		
		OEM topology mapping		
		+ compatibility with 12V & 24Vdiesel		
		heavy trucks, J2534 Programming		
		+ECU Online Coding, All System		
		Diagnostics		
		+ Bi-directional control		
		+Over 50+ maintenance features		
1	l	· 5 voi 50 · maintonanoc icataros		

	1	T		
		+Auto Auth for FCA SGW		
		+CANFD & DOIP, Power Balance		
		Test		
		+Drive Test		
		+Adaptation		
		+Matching		
		+Flash Hidden Functions		
		+ Setting & Changeover		
		+Modification		
		+Offline Coding		
		+ Initialization		
		+ Adaptation		
		+ Matching+ Customization +		
		Personalization.		
		Fasing Consum of Consumints C		
		Engine Scanner, Smartlink C,		
		US/UK/EU Plug, HD15F to OBDII 16		
		Connector, Type-A to Type-B USB		
		cable, Type-A to Type-C USB cable,		
		PIN envelope, Quick start Guide,		
		User Manual. 12 Connectors & 4		
		Cables: BENZ-38, B-20, HONDA-3, TOYOTA-17, TOYOTA-22, GV-12,		
		BZ-14, FORD 6+1, NISSAN14+16,		
		CHRYSLER-6, Network Cable, KIA- 20, CIGARETTEER, MH12+16,		
		Power cable clips, Fuse.		
		l ower cable clips, i use.		
		Warranty: 2 years		
10	Unit	Lab center table with end sink – 10	2	
10	Ont	seaters (Dimension: 3.5M (L) x	_	
		Coulding (Billion Cioni (E) X		
		1.0M (W) x 0.9M (H)		
		1.0M (W) x 0.9M (H)		
		Countertop: 18mm solid		
		Countertop: 18mm solid core phenolic resin		
		Countertop: 18mm solid core phenolic resin laboratory grade		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27- 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs Reagent rack: powder 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs Reagent rack: powder coated metal tubular 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs Reagent rack: powder coated metal tubular framing & phenolic shelves 		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs Reagent rack: powder coated metal tubular 		

		 Adjustable plinth foot Electrical outlet – 2 units Powder coated outlet pedestal box Aluminum Grab Handle Concealed hinges Inclusion: 10 laboratory stools 		
		Installation included	4	
11	Unit	Benchtop Furnace	1	
		Specifications: Max Temp.: 1400°C Capacity: 4.5L Continuous working temp: ≤ 1300°Cheating element: SiC heating rod Thermal couple: S type Chamber material: Alumina ceramic fiber Heating rate: 0~30°C/mm, suggest to be 10°C/min Thermal control accuracy: ±1°Ctemperature uniformity: ±5°Cmax power: 4kW Other features:* safety interlock with automatic power off when furnace door is opened* PID automatic control via current limiting phase angle fired resistor* Power control with 30 segments programmable* English labels (switches, buttons, etc.)* Standard product certification* Standard warranty		
12	Unit	Pressure Canner	3	
		Specifications: Capacity: 41LOther features:* Extra heavy duty cast aluminum construction* Stay-cool bake lite top handle* Geared steam gauge* Automatic venting for safety (safety control valve & over pressure plug)* Pressure regulator weight settings of 5, 10, 15 psi* Smooth, easy to clean satin finish* Double thickness edges for additional protection on points of heaviest wear* with English User's Manual* Standard product certification*		
13	Unit	Mechanical Can Sealer	1	
		Specifications: Power supply: 220V (50/60Hz)Tank diameter: 45 ~ 110mmOther features:* Rust and corrosion resistant treated surface* Manual operation* Suitable for can height range of 39-200mm* Simple operation with an on/off switch and foot switch to start sealing* with English User's Manual* Standard		

		product certification* Standard		
		warranty		
14	Unit	Pasteurizer	1	
		Specifications: Capacity 75LMaterial:		
		SUS 304 stainless steel Power		
		supply: 220V (50/60Hz)Power consumption: 2-9kWTemperatue: 0 ~		
		100°COperation: Automatic control,		
		with LED control panel Warranty: 3		
		years (core components)Other		
		features:* motorized stirrer*		
		Adjustable speed and temperature*		
		Three layered tank: beverage-hot water-insulation* English labels		
		(switches, buttons, etc.)* English		
		User's manual* Standard product		
		certification* Standard warranty		
15	Unit	Benchtop Water Activity Meter	1	
		Charifications: Working town: 10		
		Specifications: Working temp: -10 ~ 50°CWater activity: 0 ~ 1.000 aw		
		Working humidity: 0 ~ 95°CDisplay:		
		LCD Measurement time: 5 ~ 40 mins		
		Measurement Point: 1 ~ 4Temp.		
		coefficient: ≤ 0.0005/°CActivity		
		Repeat abili: ≤ 0.008Correction mode: multi-point calibration, single-		
		point calibration Print function: Print		
		at the end of measurement; real-time		
		print Interface: USB Power supply:		
		220V (50/60Hz)Other features:*		
		English labels (switches, buttons,		
		etc.)* English User's manual* Standard product certification*		
		Standard warranty		
16	Unit	Anaerobic System/Vacuum Glove	1	
		Box		
		Specifications: Dimension (WxDxH):		
		420mm x 440mm x 450mmMain		
		body: Transparent reinforced acrylic,		
		sealed lid Valve: 2, Φ8mm / Φ14mm		
		(for intake and exhaust)Pressure		
		resistance: approx. 133 Pa Other features:* Includes 1 pair of gloves*		
		English labels* English User's		
		manual* Standard product		
		certification* Standard warranty		
17	Unit	Benchtop Vacuum Pump	1	
		Specifications: Pump head: 1Speed		
		of Evacuation: 30 L/Min Ultimate		
		Vacuum: 200 mbar Pressure: ≥ 30		
		Positive, Positive or negative		
		pressure Inlet: ϕ 6 mm Outlet: ϕ 6 mm		
		Working Temp: 7 ~ 40°CNoise Level: <60 dB Motor Power: 160WPower		
		supply: 220V/50/60HzDiaphragm:		
		Imported Rubber Other features:*		

		English labels* English User's		
		manual* Standard product		
		certification* Standard warranty		
18	Unit	Differential Scanning Calorimeter	1	
		Specifications: DSC range: 0 ~		
		±600mWTemperature range: -170 ~ 650 °C		
		Heating rate: 0.1 ~ 80 °C / min		
		Temperature resolution: 0.001		
		°CTemperature fluctuations:		
		±0.01°CTemperature repeatability:		
		±0.1°C		
		DSC range: 0∼±600mW		
		DSC resolution: 0.001mW DSC		
		sensitivity: 0.001 mW		
		Display: 7 inches LCD touch screen display Data interface: standard USB		
		connector Product standard:		
		ISO/TR10837:1991, ASTM D3895-		
		1998, ASTM E 967, ASTM E 968,		
		ASTM E 793, ASTM D 3895, ASTM		
		D 3417, ASTM D 3418, ISO 11357-		
		6Other features:* English labels* Standard product certification*		
		Standard warranty		
19	Unit	Forced Air Drying Oven	1	
		Capacity: 43LCirculation: Forced air		
		and Natural convection Dimensions: Internal (W*D*H): 350mm * 359mm *		
		350mmDimensions: External		
		(W*D*H): 640mm * 500mm *		
		600mmTemp range: RT+10-300 °C		
		Temp fluctuation: ±1		
		Temp resolution: ±0.1 Uniformity:		
		≤Max. Temp. ±3.5°C Sensor: Shelves: 2 pcs./adjustable		
		Display: LCD , real-time display of		
		parameters Running function: fixed		
		Value running, timing running Interior		
		finish: High-quality corrosion-resistant		
		stainless steel Exterior finish: Galvanized with antimicrobial powder		
		coating Safety device: Leakage		
		protector; Over-temperature alarm		
		Power supply: 220V (50/60Hz)Other		
		features:* With observation window*		
		Anti-scalding door handle* With limited temperature control sound		
		and light alarm system*		
		Microprocessor controller* English		
		labels* Standard product certification*		
	***	Standard warranty		
20	Unit	UV-Vis Spectrophotometer	1	
		Specifications: Optical system:		
		Single-beam Wavelength range: 190		
		~ 1000nmBandwidth: 2nm		
		Wavelength repeatability: <0.3nm		

	1			
		Wavelength accuracy: ±1nm		
		Wavelength setting: Auto Photometric		
		accuracy: ±0.5%TPhotometric		
		repeatability: 0.2%Tphotometric		
		range: -0.3 ~ 3A / 0 ~ 200%T		
		Stray light: ≤0.05%Tstability:		
		±0.001A/h @ 500nmDisplay: 128*64		
		LCD Detector: Silicon photodiode		
		Light source: Tungsten lamp & D2		
		lamp Output: USB Port & parallel port		
		Power supply: 220V ACInclusions:4		
		pcs. 1cm Glass cuvette2 pcs. 1cm		
		quarts cuvette Dust cover Other		
		features:* English labels* English		
		User's Manual* Standard product		
		certification* Standard warranty		
21	Unit	Vacuum Oven	1	
		Capacity: 25L		
		temp. Range: 1- ~ 200°Cambient		
		temp: 5 ~ 40 °C Temp. fluctuation:		
		±1°Cshelves: at least 2Vacuum		
		degree: <133 Pa Power supply: 220V		
		AC (50/60Hz)Other features:* PID		
		microprocessor temp control with		
		LCD display* Polished stainless steel		
		inner chamber* Silicone rubber seal		
22	Unit	Colorimeter	1	
		Coloriniotor	•	
		Specifications: Type: Economical		
		(small aperture) Color: Green		
		Geometry: D/8 (Diffused illumination,		
		8°viewing)		
		SCI (specular component		
		included),SCE (specular component		
		excluded)		
		Repeatability: Chromaticity Value:		
		Standard deviation ΔE*ab≤ 0.04		
		Average: dE*ab≤ 0.05		
		Max.: dE*ab≤ 0.08(When a white tile		
		is measured 30 times at 5 seconds		
		interval)		
		Inter-instrument agreement:		
		ΔE*ab≤0.4		
		Light source: LED		
		Sensor: CMOS		
		Spectroscopic method: Integrated		
		optics		
		Wavelength range: 400-700nm		
		Wavelength interval: 10nm		
		Reflectance Range: 0-200%		
		Reflectance Resolution: 0.01%		
		Measurement time: About 1 sec.		
		Storage capacity: 100 pieces of data		
		Language: English		
		Battery: Rechargeable, 8,000 times		
		continuous tests, 3.7V/3000mAh		
		Color Space and Indices:		
		L POTIONTORON (TIE I ON (TIE I (TN		
		Reflectance, CIE-Lab, CIE-LCh, Hunter Lab, CIE-Luv, XYZ, Yxy,		

	_	RGB, Color Difference (ΔE*ab,		
		Δ E*cmc, Δ E*94, Δ E*00), Whiteness		
		Index (ASTM E313-00, ASTM E313-		
		73, CIE/ISO, AATCC, Hunter, Taube		
		Berger Stensby), Yellowness		
		Index(ASTM D1925, ASTM E313-00,		
		ASTM E313-73), Blackness		
		Index(My,dM), Staining Fastness,		
		Color Fastness, Tint(ASTM E313-00),		
		Color Density CMYK(A,T,E,M),		
		Metamerism Index Milm, Munsell,		
		Opacity, Color Strength		
		Software:		
		Color analysis software (Windows)*		
		Display: IPS full color screen ,2.4		
		inches		
		English User's manual* Flour		
		measuring device* Liquid measuring		
		device* Microprinter Other features:*		
		English labels* Standard product		
		certification* Standard warranty		
		Certification Standard Warranty		
		English labels* Standard product		
		certification* Standard warranty		
22	TT •4	Munsell Book of Color	2	
23	Unit	Munsell Book of Color	2	
		Considerations:* Classy "master atlas"		
		Specifications:* Glossy "master atlas"		
		of Munsell color* Complete range of		
		colors creating a physical model of		
		the Munsell Color Space* ≥ 1,600		
		removable high-gloss color sample*		
		Language: English		
24	Unit	Water Bath	1	
		Specifications: Temperature range: -5		
		~ 100°CCapacity: 6LTank material:		
		SUS 304 Stainless steel Temp.		
		accuracy: ±0.1°CTime range: 1 ~		
		9999minsPower supply: 220V AC		
		(50/60Hz)Other features:* With		
		heating and cooling* PID controller*		
		Over-temperature alarm* Protection		
		device from overheating and		
		overcurrent* English labels* English		
		User's manual* Standard product		
		certification* Standard warranty		
25	Unit	Fume Hood	2	
20	Onit		_	
		External size (WxDxH): 1220mm *		
		850mm * 2150mm Internal size		
		(WxDxH): 1100mm * 730mm *		
		745mm		
		Max opening: 520mm Work surface		
		height: 750mm Blower: Buil-in		
		centrifugal blowers, adjustable speed		
		Air velocity: 0.3 ~ 0.8 m/s Noise:		
		≤68dB LED Lamp: Intensity		
		≥900Lx UV Lamp: emission of		
		253nm for decontamination Front		
		window: tempered glass, anti-UV		

	T	Terri de la companya	ī	1
		Exterior body: Electro-galvanized		
		steel with anti-bacteria powder		
		coating Work table: chemical		
		resistant, solid physicochemical		
		board Power supply: 220V AC		
		(50/60Hz)		
		Other features: * Water tap* Gas tap*		
		Sink* Base stand, 4 casters.	_	
26	Unit	Analytical Balance, 210g Capacity	1	
		Weighing capacity 210g		
		Resolution: 0.0001g		
		Stable time: ≤3s		
		Repeatability: ±0.0002g		
		Liner: ±0.0003g		
		Display: LCD (white back light with		
		black font)		
		Cal. Weight: External Calibration		
27	Unit	Air Oven	1	
		Cycle Mode: Dual Convection: Force		
		Air and Natural convection		
		Capacity: 43liters		
		Temp Range: RT+10~300 °C		
		Temp Resolution: 0.1 °C		
		Temp. Fluctuation: ±1 °C		
		Temp. Uniformity: ≤Max. Temp.		
		±3.5°C		
		Shelves: 2pcs/adjustable		
		Consumption: 1300W		
28	Unit	Laboratory Autoclave	1	
		Working Chamber		
		Size (Ø x D)/Capacity: 400 x 600		
		mm/53 L		
		Carrier (Ø x D): 1 of 350 x 550 mm		
		Gross Dimension/Weight: 970 x 720		
		x 1290 mm/97 kg		
29	Unit	Can Sealing Machine	1	
		Automatic; Electric 220V; 220V-		
		SOHZ		
30	Unit	Universal Drying Oven	1	
		digital-based, Temperature range up		
		to +300 °C; Capacity up to 32 to		
		1060 litres volume; Temperature		
		display, timer set up, high-quality,		
		corrosion-resistant and easily		
		cleanable stainless steel for the		
		working chamber and housing		
31	Unit	Spectrophotometer	1	
		Wavelength Range: 190-1100nm;		
		Spectral Bandwidth: 2.0nm		
		Wavelength Accuracy: ±2nm ;		
		Photometric Accuracy.		
		±0.5%T		

32	Unit	Water Activity Meter	1	
		Operating temp.: 0° C to 50°C; with case Range 0-1.0aw Resolution ±0.01aw Accuracy ±0.02aw Sampling time: 5 mins.		
33	Unit	Laboratory Table	1	
		Dimension: 3.5M (L) x 1.0M (W) x 0.9M (H)		
		 Countertop: 18mm solid core phenolic resin laboratory grade Carcass: 18mm MOM sink base cabinet & open shelves Framing: Powder coated metal tubular w/ adjustable leveler Sink: polypropylene laboratory sink Faucet: Powder coated goose neck faucet solid brass w/ serrated nozzle Gas: Powder coated dual outlet serrated nozzle Drying rack: polypropylene laboratory pegboard 27-pegs Reagent rack: powder coated metal tubular framing & phenolic shelves with 8mm SS-304 rod Hardware: 		
		 Adjustable plinth foot Electrical outlet – 2 units Powder coated outlet pedestal box Aluminum Grab Handle Concealed hinges 		
34	Unit	Incubator	1	
		Feature Digital PID Control Tempered safety glass window Dust-free gravity- flow convection Safety and convenience Specification Dimensions inner: 400 x 400 500 Outer: 550 x 610 x 850 Capacity: 80 Temperature range: ambient+15°c to 250c° Set accuracy: +1.0°c Uniformity: +5.0°c at 120°c Heater: 1.5kw Display: LED 4 Digits display Controller: PID Multi-Function		

		Controller Alarm, Auto Tunning Timer: 99 min 59 sec/ 99hr 59min/99days 23ours /Continuous selectable Material exterior: stainless steel Exterior: Epoxy powder coated steel Shelves: 2EA Door: tempered glass window with silicone Packing (model without glass door available) Insulation: ceramic and glass wool Safety: over heat protector over current & Description of the complex current and glass breaker Electric supply: 110v, 60Hz or 220v 50/60Hz		
35	Unit	Drying Oven	1	
		digital-based, Temperature ranges up to +300 °C; Capacity up to 32 to 1,060 litres volume; Temperature		
		display, timer set up, high-quality,		
		corrosion-resistant and easily cleanable stainless steel for the		
		working chamber and housing		

Set Sam Skeleton with Muscles a Ligaments on Hanging Stand	nd 2	
 Hand-painted muscle origin insertions Flexible spine and ligamen Slipped disc between the 3 4th lumbar vertebrae Protruding spinal nerves ar vertebral arteries 3-part assembled skull with 	s rd and	
 individually inserted teeth Made from a durable, unbreakable synthetic mate Top quality, life size natura casting Close to the realistic weigh around 200 bones Final assembly carried out hand On a stable metal stand wire casters (painted white) Can be removed from stan Full flexibility of limbs on leright side has full flexibility knee and hip with limited flexible of elbow and shoulder Easy to remove limbs 	of by n 5 I t side, of	
Provided with metal stand and transparent dust cover. 3-year warranty. Compatible with Ana App.		

2	Set	Complete Nursing Skills Manikin -	2	
2	OC.	Light		
		Complete lifelike range of motion,		
		realistic patient positioning, and non-		
		pinching joints - moves like a person.		
		Lightweight - approximately 28		
		lbs.		
		Full-size adult manikin - measures 58 in.		
		Overall female appearance		
		Converts to male with removal		
		of wig and attachment of male		
		genitals		
		Visual Inspection:		
		 Normal and Cancerous Mole 		
		Stage 1 Sacral Ulcer		
		Dilated and Constricted pupils		
		Reddened Skin Folds		
		Patient Care Simulation:		
		Bandaging and Wound Dressing		
		Bed Baths Clathing Changes		
		Clothing Changes		
		Denture Placement and Permanal Upper and Lower		
		Removal, Upper and Lower • Ear Canal Irrigation, Otic Drops,		
		and Hearing Aid Placement		
		Eye Irrigation		
		Finger and Toe Manipulation		
		with Bandaging - Flexible and		
		Individually Molded		
		Hair Care Washing and		
		Combing		
		Intramuscular Injection Sites:		
		Arm, Thigh, Buttock		
		Oral and Nasal Hygiene: Layage Cayage and		
		Lavage, Gavage, and Suctioning		
		Ostomy Care: Ileostomy and		
		Colostomy Tissue		
		Maintenance and Appliance		
		Application, Lavage, and		
		Suctioning		
		 Patient Positioning 		
		Patient Transfer Techniques		
		Pericare		
		Tracheostomy Care, Lavage Sustinging		
		and Suctioning also includes:		
		Gastrostomy Procedures,		
		Lavage and Gavage		
		 Enema Administration, Female 		
		Only		
		Urinary Catheterization, Female		
		and Uncircumcised Male		
		Pap Smears and Douching		
		Prostate Exam, Stage B		
		Nasogastric Tube Placement		

		Internal Fluid Reservoirs		
		Five-Year Warranty. Ship Weight: 32 lbs.		
		Dimensions. (inches): 11 x 37 x 24		
3	Set	CPR Mannequin/ Manikin Model	2	
	•••	(Half Body)	_	
		, , ,		
		Kit Includes:		
		- (1) Adult Manikin		
		- (1) Child Manikin		
		- (1) Infant Manikin		
		- (1) Nylon Carrying case - (10) Adult face-shield/ lung bags		
		- (10) Child face-shield/ lung bags		
		- (10) Infant face-shield/ lung bags		
		(),		
		Adult, pedia, infant and family pack		
		CPR Manikins		
		Weight: 8.1pounds		
		Color: Medium Tone and Dark Tone		
4	Set	with LED Indicator ECG Machine 3-Channel	1	
7	Jei	LOO Macrime 3-orianner	•	
		Ultra-compact and lightweight		
		design		
		High resolution color touch		
		screen		
		Comprehensive filters & amp;		
		anti-noise technology		
		Enhanced powerful technical		
		specifications provides reliable		
		signal quality		
		12-lead simultaneous acquisition		
		and display		
		Support linear / 2D barcoded		
		scanner		
		 Signal quality identification 		
		Long time sampling		
		Large storage capacity		
		Support USB flask and micro SD		
		to extend memory		
		Built-in rechargeable Li-lon		
		battery		
		Bi-directional communication with CF 1515 Data Management		
		with SE-1515 Data Management System		
		LAN/build-in Wi-Fi (optional)		
		connections		
		Multi-formates reports export		
		(optional)		
		Support external printer via USB		
		port		
5	Set	Birthing Simulator	2	
		Later to		
		Includes:		
		Birthing Simulator		

		_		
		Detachable, padded stomach cover		
		with advanced insert for caesarian		
		section		
		Inflatable uterus insert for Leopold		
		Maneuver including cover that can be		
		cut for caesarian section		
		Birth canal (portio, cervix, vulva)		
		Fastening belt		
		Lubricant		
		Amniotic fluid and (100) inserts		
		Assembly kit		
		Fully articulating fetal baby		
		Fully articulating fetal baby		
		(19.29"/49cm;2.3lb./1.06kg)		
		Umbilical cord		
		Placenta		
6	Unit	Biosafety cabinet level II (Class II	1	
		A2)		
		Internal size: 1300mmW x 520D x		
		640mm H		
		External size: 1465mm W x 760mm D		
		x 2200mm		
		Tested Opening		
		Maximum opening 470mm:inflow		
		velocity: <0.5m/s; down flow velocity:		
		0.25~0.40m/s		
		Cleanliness level: ISO level 4		
		Filters: ULPA *2pcs		
		Filtration efficiency:		
		≥99.9995%,@0.12µm		
7	Unit	Chemical/ solvent cabinet with	1	
		ducting and exhaust system		
		1200mm W x 500mm D x 2100mm H		
8	Unit	Colony Counter	1	
		Specifications: Digital display: 3- or 4-		
		digit LED Display Power Supply: AC		
		120-240 V (50/60Hz) Lamp:		
		50WCounter capacity: 0 – 9999		
		Counting plate diameter: φ155mm		
		Magnification: 3x-9xOther features:*		
		With sound indicator for correct		
		counting* Special pen* Magnifier		
		flexible arm* Standard product		
		certification* Standard warranty		
9	Unit	Soxhlet Fat Extractor with	1	
9	Unit	Recirculating Chiller	'	
		Necirculating Chiller		
		No. of extracted sample per batch: 6		
		Controller: 4.3-inch LCD touch screen		
		Electric heating power: 1000W temp		
		control range: RT +5 ~ 280°C		
		Temp. accuracy: ±1°C		
		Mode of heating: aluminum module		
		heating		
		Extraction sample volume: generally		
	1	2 ~ 5g, depending on sample		
		Solvent cup volume: 80mL		

				,
		Warming up time: Approx 10 min		
		Measuring range: 0100%		
		Solvent recovery: >80%		
		Other features:* shortened extraction		
		time 20~80% *with temperature		
		sensor, high temperature control		
		precision and good uniformity* Built-		
10	T T • .	in circulating water pipeline*	4	
10	Unit	Kjeldahl Protein Analyzer	1	
		Sample tube type: diameter around		
		\$\phi 42mm		
		Measure range: 0.1mg ~ 240mg N		
		Analysis time: 5 ~ 10mins/sample		
		Recovery: ≥ 99.5%		
		Sampling: Solid ≤5g; Liquid ≤20ml		
		Burette accuracy: 2µL/step		
		Reproducibility: Average value		
		relative error ±0.5%		
		Steam generator temp monitor: Yes		
		Condenser material: anticorrosion		
		metal Acid, alkali, and dilute water		
		adding quantified: Yes Automatic		
		Titration cup discharge and clean:		
		Yes Auto receiver solution adding: Yes Safety door: Yes Data storage		
		capacity: 1000Power supply: 220V		
		AC (50/60Hz)Other features:*		
		Automatic distillation and titration		
		functions designed based on classic		
		Kheldahl nitrogen determination		
		method* English labels* English		
		User's manual* Standard product		
		certification* Standard warranty		
11	Unit	Refrigerated Centrifuge	1	
		0 1.45.000 (000		
		Max. Speed: 15,000rpm (200-		
		15,000rpm) in 100rpm increments Max. RCF: 21,380×g, step: 10×g		
		Capacity: 1.5/2mL×24, 0.5mL×36,		
		PCR8×4, 5mL×12, 5mL×18		
		Temperature setting: -20°C- 40°C		
		Acceleration and deceleration time:		
		25s↑25s↓		
		Motor Type: DC brushless motor		
		Safety Performance: Dual door lock,		
		over-speed detection, over-		
		temperature detection with Internal		
		diagnosis system		
		Power Requirements: 220V, 60Hz		
		Noise: ≤56dB		
		Dimensions(mm): 332(Width) ×		
		553(depth) × 283(height) Weight: 30kg		
12	Unit	Semi-micro Kjeldahl Nitrogen	1	
12	Onit	Equipment		
		Heater Capacity: (VV):200 6		
		stepless variable type Width:		
		600mm; Depth: 220mm; Height:		
		560mm Exhaust tube Included;		

		According Kieldahl flesh, samesit		
		Accessories: Kjeldahl flask: capacity 150mL with 6 bottles		
12	TT **			
13	Unit	Crude Fat Analyzer	1	
		emp. Range: RI +5 ° C-250 ° C;		
		Measuring Range: Grain, feed,		
		grease and various fat products with		
		oil content in the range of 0.5%-60%		
		Temperature Control Mode:		
		Independent temperature control		
		Capacity 6pcs/batch; Solvent		
		Recovery: Automatic solvent		
		recovery with valve Power Supply: AC 220V + 10%,		
		50HZ; External Size(W*D"H):		
14	Unit	Microbiological incubator	1	
1-7	Cint	o. oznologiou: mousatto.	•	
		45 L capacity, Temperature range:		
		RT+5~70 °C		
		Circulation Mode: Natural Convection		
15	Unit	Ultrasonic Scaler	1	
		Optic with light		
		Power supply-AC 100V-240V AC		
		50/60Hz		
		Frequency-50Hz		
		Capacity-60L/20Layers		
		Disinfection time-15min		
		With 1 year warranty		
16	Unit	Dental Chair	1	
		LED Large with someon		
		LED Lamp with sensor:		
		Fitted with 6 light sources and sensor		
		and sonson		
		Ceramic cuspidor: rotatable		
		180° and removable		
		Multi-functional foot pedal		
		Big Main tray: Big size with		
		6-slotted tool holder & built-		
		in film viewer		
		Elegant side box		
		Aluminum suction heads:		
		assistant tray fitted strong &		
		weak suction heads made of aluminum		
		USA Air & Water tubes		
		Microfiber leather		
	1	upholstery		
				1
		Flash & adjustable light arm		
		 Flash & adjustable light arm 		
		 Flash & adjustable light arm Double arm rest Stool chair with metal legs Folding assistant tray 		
		 Flash & adjustable light arm Double arm rest Stool chair with metal legs Folding assistant tray Built-in LED viewer 		
		 Flash & adjustable light arm Double arm rest Stool chair with metal legs Folding assistant tray Built-in LED viewer Accessories include: Built- 		
		 Flash & adjustable light arm Double arm rest Stool chair with metal legs Folding assistant tray Built-in LED viewer 		

17	Unit	Dental Training Mannequin/ Dental	2	
		Simulator		
		LED operating light.		
		Mannequin covered with silicone		
		mask. Double articulating head neck.		
		Jaw- lateral and protrusive movement. Magnet or screw type of		
		jaw.		
		Fits any type of typodont.		
		Can be reclined with lateral		
		movement for the head and the jaw.		
		Nas a base unit support. Material used are plastic, aluminum		
		and stainless steel.		
		Safety positioning lock for stability		
		and balance.		
		Stainless swing metal tray Working tray in addition to the main		
		working table.		
		Main control panel system for 1 high		
		speed attachment, 1 low speed attachment and 1 three-way syringe.		
		Assistant panel control system for 1		
		syringe, 1 saliva ejector, 2 extra		
		empty holder .		
		Foot control in all sides function.		
		Water flow system with 2 clear plastic tempered bottle.		
		Pressure gauge for safety control		
		reading.		
		Base with option of castor wheels or fixed on the floor.		
		Dentist's stool with metal foot.		
		220V / 60 Hz.		
18	Unit	Peri-Apical X-Ray machine (Wall	1	
		Mounted)		
		Rating voltage: ac 230v Frequency:		
		50/60hz Maximum power. 900va		
		Focal spot: 0.7mm Tube voltage:		
		70kv 10% Radiation leakage: 1meter 0.14mgy/h		
		Exposure time range: 0.06-2.0s		
		Anode current: 7ma 2096		
		With 1 year warranty on parts and service		
19	Unit	Wireless Endo Motor	1	
		- Cordless endodontic handpiece - with torque and auto-reverse		
		- power supply: AC 230V 50/60Hz		
		and battery pack		
		- Max torque: 4Ncm		
		- Charge/ continues use 90 min/1.2h - speed range 100-2,500min		
		- speed range 100-2,500mm - slim head and neck		
		- 90 minutes quick charge with non-		
		contact type charger		
		- Large LCD panel		

		I acra ca		I
		- Lightweight		
		Smart auto-reverse and alarm		
		function		
		-At least 5programs for different file		
		systems		
		With 1 year warranty		
20	Unit	Fabricated Stainless Steel	2	
		Necropsy Table		
		Technical Specifications 48" wide x		
		96" long (122cm x 244cm) • Stainless		
		steel top with raised edge • Stainless		
		steel base construction • One drain		
		hole • 2-way tilt • 6" swivel casters •		
		Self-contained power unit (available		
		110V/60 cycle or other power		
		configurations for international use) •		
		Lowered height 15" (38cm) • Raised		
		height 48" (122cm) • Rated for 2,500		
		lbs. (1,134 kg)		
21	Unit	Analytical Balance, 120g Capacity	1	
		Capacity (g): 120 • Capacity (kg):		
		0.12 • Draft Shield Size:		
		240mm*190mm*265mm*" •		
		Dimensions W", H", D": Display: LCD		
		Readability (g): 0.0001 • Linearity		
		(g): ±0.0003 • Repeatability (g):		
		±0.0002 • Weighing units: g, mg, ct,		
		oz, ib.• Stabilization time: ≤ seconds •		
		Power (VAC): 110/220 VAC • Cal.		
1				
		I Weldill, Internal Calibration		
		Weight: Internal Calibration Warranty • One (1) year on parts and		
		Warranty • One (1) year on parts and		
		Warranty • One (1) year on parts and services under normal use Delivery •		
		Warranty • One (1) year on parts and services under normal use Delivery • 30-60 days upon Receipt of PO,		
		Warranty • One (1) year on parts and services under normal use Delivery • 30-60 days upon Receipt of PO, Notice of Award or Notice to Proceed		
		Warranty • One (1) year on parts and services under normal use Delivery • 30-60 days upon Receipt of PO, Notice of Award or Notice to Proceed Installation, • On-Site by a Certified		
		Warranty • One (1) year on parts and services under normal use Delivery • 30-60 days upon Receipt of PO, Notice of Award or Notice to Proceed Installation, • On-Site by a Certified and Trained Service Engineer		
		Warranty • One (1) year on parts and services under normal use Delivery • 30-60 days upon Receipt of PO, Notice of Award or Notice to Proceed Installation, • On-Site by a Certified		

[signature]	[in the capacity of]
Duly authorized to sign Bid for and on behalf of _	

I hereby certify to comply and deliver all the above requirements.

Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents Legal Documents Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) (a) 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 Statement of the bidder's Single Largest Completed Contract (SLCC) similar (c) 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 Original copy of Bid Security. If in the form of a Surety Bond, submit also a (d) certification issued by the Insurance Commission or Original copy of Notarized Bid Securing Declaration; and Conformity with the Technical Specifications, which may include (e) production/delivery schedule, manpower requirements, and/or aftersales/parts, if applicable; and Original duly signed Omnibus Sworn Statement (OSS) and if applicable, (f) 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 The prospective bidder's computation of Net Financial Contracting Capacity (g) (NFCC) or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation. Class "B" Documents If applicable, a duly signed joint venture agreement (JVA) in case the joint (h)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 Original of duly signed and accomplished Price Schedule(s). (i) Other documentary requirements under RA No. 9184 (as applicable) [For foreign bidders claiming by reason of their country's extension of

reciprocal rights to Filipinos] Certification from the relevant government office of their country stating that Filipinos are allowed to participate in

government procurement activities for the same item or product.
Certification from the DTI if the Bidder claims preference as a Domestic
Bidder or Domestic Entity.

Bid Form

Date:	
Project Identification No.:	

To: BICOL UNIVERSITY, LEGAZPI CITY

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 **Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits 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.

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 ca	pacity:								
	·e:								
Duly	authorized	to	sign	the	Bid	for	and	behalf	of
Date:				_					

For Goods Offered From Within the Philippines Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits

Name of Bidder				
	-			•

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXWpe r item	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)

[signature]	[in the capacity of]
Duly authorize	ed to sign Bid for and on behalf of

NET FINANCIAL CONTRACTING CAPACITY (NFCC)

Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits

A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year.

		Year
		20
1	Total Assets	
2	Current Assets	
3	Total Liabilities	
4	Current Liabilities	
5	Net Worth (1-3)	
6	Net Working Capital (2-	
	4)	

В.	The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:
	NFCC = K (current asset – current liabilities) minus value of all outstanding works under ongoing contracts including awarded contracts yet to be started
	NFCC = P
	K = 15 for a contract duration of one year or less
sta im	erewith attached are certified true copies of the income tax return and audited financial attement: stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the mediately preceding year. bmitted by:
Na	ame of Supplier / Distributor / Manufacturer
•	gnature of Authorized Representative tte:

1. If Partnership or Joint Venture, each Partner or Member Firm of Joint Venture shall submit the above requirements.

NOTE:

COMMITTED LINE OF CREDIT CERTIFICATE

		Date:	
Dr. BABY BOY BENJAMIN D. N President, Bicol University Legazpi City	EBRES, III		
Legazpi City			
CONTRACT/PROJECT	Different/Prog	of Various Equipment rams as Required by their Re and COPC Visits	
COMPANY/FIRM	:		
ADDRESS	:		
BANK/FINANCING INSTITUTION	:		
ADDRESS	:		
AMOUNT	:		
This is to certify that the commits to provide the < <u>Supplier</u> . Contract, a credit line in the amount of the above-mentioned contract subj	<u>/Distributor/Manufactor</u> specified above which	shall be exclusively used to finan-	e above-mentioned
The credit line shall be < <u>Supplier/Distributor/Manufacturer/</u> maintained until the project is complete.	<i>Contractor</i> of the 1		of credit shall be
This Certification is being connection with the bidding requirer that any false statements issued by us	nent of Bicol Universi		
Name and Signatur Financing Institution Official Designation	on Officer	:	
Concurred By:			
	entative	tor/Manufacturer/Contractor>'s :	
-			
Note: The amount committed should be	machine validated.		
	ACKNOWLEI	OGMENT	
to me his/her Community Tax, Philippine	RN to before me this _ Certificate Noes.	day of, 202	5, affiant exhibited at
		NOTARY PUBLIC	
Doc. No Page No Book No Series of 2025		NOTART FUBLIC	

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

AFFIDAVIT

- I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:
- 1. [Select one, delete the other:]

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

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

2. [Select one, delete the other:]

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

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

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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

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

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

IN	WITNESS	WHEREOF,	I ha	ave	hereunto	set	my	hand	this	day	of	,	20	at
		Philippines.												

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE] [Insert signatory's legal capacity] Affiant

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

CITY	OF _	OF THE PHILIPPINES)) S.S.						
X		BID SECURING DECLARATION Invitation to Bid: [project reference number]						
To: E	BICOL	UNIVERSITY, LEGAZPI CITY						
I/We	, the un	dersigned, 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 contract with any procuring entity for a period of two (2) years upon receipt of you Blacklisting order; and, (b) I/we will pay the applicable fine provided under Section 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 act 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 9184; without prejudice to othe legal action the government may undertake.							
3.		understand that this Bid Securing Declaration shall cease to be valid on the wing 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;						
	(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.						
[mon		WITNESS WHEREOF, I/We have hereunto set my/our hand/s this day of ar] at [place of execution].						

[Insert NAME OF BIDDER'S AUTHORIZED REPRESENTATIVE]
[Insert Signatory's Legal Capacity]
Affiant

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

List of all Ongoing Government & Private Contracts including contracts awarded but not yet started

Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits

Business Na Business Ad						-			
Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.		Bidder's Role		a.	Date Award	% of Accomplishment		
		Nature of Work	Description	%	b. c.	ed Date Started Date of Completion	Planned	Actual	Value of Outstanding Works / Undelivered Portion
Government									
Private									
1. No	tatement shall be subtice of Award and/ otice to Proceed issu	or Contrac	t	lquiv	alent				

(Printed Name & Signature)

Submitted by:

Designation: Date:

Statement of Single Largest Completed Contract (SLCC)

Procurement of Various Equipment for Use of the Different/Programs as Required by their Respective CMO's in Accreditation and COPC Visits

Business Name:						
Business Address:						
Contract Details	Nature of	Bidder's Ro	le	Contract Cost &	Start of Contract & Completion	
Contract Details	Work	Description	%	Duration		
Name:				Amount at Award:	Date Awarded:	
Owner:				Amount at	Date Started:	
				Completion:		
Address/Contract	_			Contract Duration:	Data Completed	
Information:				Contract Duration:	Date Completed	
Note: This statement shall		:				
 Contract or Purch Certificate of Con 		cate of Accepta	ace o	r its Fauivalent		
2. Certificate of Con	ilpicuoli oi ceruii	cate of Acceptai	icc o	its Equivalent		
Submitted by:	(Printed Name &	Signature)				
	(1 Timed Tvaile &	Signature)				
Designation:						
Date:						

SEALING AND MARKING OF PROPOSALS





