

PHILIPPINE BIDDING DOCUMENTS

**Government of the Republic of the Philippines
University of the Philippines Mindanao**

**RE-BIDDING OF ASIMOV-HAWKS
PROJECT EQUIPMENT
PBM 2022-01**

Date Issued: February 25, 2022

**Sixth Edition
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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



UNIVERSITY OF THE PHILIPPINES MINDANAO

Administration Building, Mintal, Davao City 8022, Philippines T:293-0863
+ 63 82 293 0258 E: bacsecretariat.upmindanao@up.edu.ph

Invitation to Bid for the Re-bidding of Asimov-Hawks Project Equipment

1. The University of the Philippines Mindanao (UP Mindanao), through the GAA 2021 intends to apply the sum of Five Million One Hundred Sixty-Eight Thousand Nine Hundred Pesos only [P5,168,900.00] being the ABC to payments under the contract for the Re-bidding of Asimov-HAWKS Project Equipment [Project identification number- PBM 2022-01]. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening. *The list of lots with the ABC corresponding to each lot is provided in the Schedule of Requirements.*
2. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

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

3. Prospective Bidders may obtain further information from the UP Mindanao BAC Secretariat and inspect the Bidding Documents at the address given below during office hours Monday-Friday 8:30AM-4:30PM.
4. A complete set of Bidding Documents may be acquired by interested Bidders on February 25, 2022 from the PhilGEPS website and also the UP Mindanao website and from the given address below *during office hours and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount listed below:*

| <i>Approved Budget for the Contract</i> | <i>Maximum Cost of Bidding Documents (in Philippine Peso)</i> |
|---|---|
| <i>500,000 and below</i> | <i>500.00</i> |
| <i>More than 500,000 up to 1 Million</i> | <i>1,000.00</i> |
| <i>More than 1 Million up to 5 Million</i> | <i>5,000.00</i> |
| <i>More than 5 Million up to 10 Million</i> | <i>10,000.00</i> |

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

UP Mindanao shall allow the bidder to present its proof of payment for the fees in any of the following: *presented in person, by facsimile, or through electronic means.*

5. UP Mindanao will hold a Pre-Bid Conference on **March 9, 2022 at 10:00AM** through video conferencing or webcasting *via Zoom* which shall be open to prospective bidders.
6. Bids must be duly received by the BAC Secretariat through any of the following:
 - (i) manual submission at the office address indicated below, or
 - (ii) online or electronic submission as indicated below,

on or before **10:00 AM, March 21, 2022**. Late bids shall not be accepted.

7. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
8. Bid opening shall be on **March 21, 2022 at 10:00 AM** at the Administration Building, UP Mindanao, Mintal, Davao City and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
9. *Please refer to the Supplemental Guidelines for the electronic submission of bids.*
10. UP Mindanao reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

*The BAC Secretariat
Administration Building
Mintal, Davao City 8022
bacsecretariat.upmindanao@up.edu.ph
Tel 082-293-0863
Website address: see below*

12. You may visit the following websites:

For downloading of Bidding Documents: *www2.upmin.edu.ph* and the *PhilGEPS* website

For online bid submission: *bacgoods.upmin@up.edu.ph*

February 25, 2021

(SGD)
Prof. VLADIMIR B. KOBAYASHI
Chair, BAC for Goods

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, UP Mindanao wishes to receive Bids for the Re-bidding of Asimov-HAWKS Project Equipment with identification number PBM 2022-01.

The Procurement Project (referred to herein as “Project”) is composed of *eight (8) lots*, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for CY 2021 in the amount of *P5,168,900.00*.

2.2. The source of funding is:

NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

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

5.2. *[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.
 - b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.
 - c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the following requirements: [*Select either failure or monopoly of bidding based on market research conducted*]
 - i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies* of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

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

6. Origin of Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

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

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

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

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time {and either at its physical address and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the

IB, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within five years (*as provided in 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, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);

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

13. Bid and Payment Currencies

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

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until *120 days after the opening of bids*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.
- 14.3. performance securing declaration, as the case may be, by the winning Bidder or compliant Bidders and the signing of the Framework Agreement.

15. Sealing and Marking of Bids

Each Bidder shall submit 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.

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

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

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

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

20. Post-Qualification

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

Bid Data Sheet

| ITB Clause | | | | | | | | | | | | | |
|--|--|--------------------------|--|--------------------------|---|--|--|--|--|--|--|--|--|
| 5.3 | <p>For this purpose, contracts similar to the Project shall be:</p> <p style="margin-left: 40px;">a. <i>IT and Laboratory Equipment</i></p> <p style="margin-left: 40px;">b. completed within five (5) years prior to the deadline for the submission and receipt of bids.</p> | | | | | | | | | | | | |
| 7.1 | <i>[Specify the portions of Goods to be subcontracted, which shall not be a significant or material component of the Project as determined by the Procuring Entity.] Not applicable</i> | | | | | | | | | | | | |
| 12 | The price of the Goods shall be quoted DDP <i>[state place of destination]</i> or the applicable International Commercial Terms (INCOTERMS) for this Project. | | | | | | | | | | | | |
| 14.1 | <p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <p style="margin-left: 40px;">a. The amount equivalent to not less than 2% of the ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</p> <p style="margin-left: 40px;">b. The amount equivalent to not less than <i>five percent (5%) of ABC</i> if bid security is in Surety Bond.</p> | | | | | | | | | | | | |
| 19.3 | <p><i>[In case the Project will be awarded by lot, list the grouping of lots by specifying the group title, items, and the quantity for every identified lot, and the corresponding ABC for each lot.]</i></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%; text-align: center;">Lot No.</th> <th style="width: 60%; text-align: center;">Description Delivery Schedule / Place</th> <th style="width: 25%; text-align: center;">Approved Budget (ABC)</th> </tr> </thead> <tbody> <tr> <td colspan="3"> <p>LOT 1: OFFICE LAPTOPS AND ACCESSORIES, OFFICE DESKTOPS WITH OFFICE SUITE, LAPTOPS WITH GPU AND ACCESSORIES</p> <p style="text-align: right;">ABC: Php 1,150,000.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> </td> </tr> <tr> <td colspan="3"> <p>LOT 2: WORKSTATION WITH GPU AND ACCESSORIES, COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES, UAV control / telemetry visualization devices (TABLET)</p> <p style="text-align: right;">ABC: Php 2,410,000.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> </td> </tr> <tr> <td colspan="3"> <p>LOT 3: AIR CONDITIONING UNITS</p> <p style="text-align: right;">ABC: Php 330,000.00</p> <p>Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> </td> </tr> </tbody> </table> | Lot No. | Description Delivery Schedule / Place | Approved Budget (ABC) | <p>LOT 1: OFFICE LAPTOPS AND ACCESSORIES, OFFICE DESKTOPS WITH OFFICE SUITE, LAPTOPS WITH GPU AND ACCESSORIES</p> <p style="text-align: right;">ABC: Php 1,150,000.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> | | | <p>LOT 2: WORKSTATION WITH GPU AND ACCESSORIES, COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES, UAV control / telemetry visualization devices (TABLET)</p> <p style="text-align: right;">ABC: Php 2,410,000.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> | | | <p>LOT 3: AIR CONDITIONING UNITS</p> <p style="text-align: right;">ABC: Php 330,000.00</p> <p>Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> | | |
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| | | |
|------|--|--|
| | <p>LOT 4: BIOMETRIC LOCK ASSEMBLY, QR-BASED INVENTORY SYSTEM, CCTV KIT ABC: Php 150,000.00</p> <p>Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| | <p>LOT 5: UAVs AND ACCESSORIES ABC: Php 499,800.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| | <p>LOT 6: UAV VIDEO CAMERAS AND ACCESSORIES ABC: Php 196,100.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| | <p>LOT 7: ON-BOARD COMPUTERS AND DEVELOPMENT KITS ABC: Php 410,000.00</p> <p>Delivery period: Up to One Hundred Eighty (180) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| | <p>LOT 8: One Lot: UAV control / telemetry visualization devices (SMARTPHONE) ABC: Php 23,000.00</p> <p>Delivery period: Up to Forty-five (45) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| | GRAND TOTAL: Php 5,168,900.00 | |
| 20.2 | <i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i> | |
| 21.2 | <i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i> | |

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

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

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

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

3. Performance Security

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

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to

the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section VII (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

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

5. Warranty

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

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Special Conditions of Contract

| GCC Clause | |
|------------|---|
| 1 | <p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]</i></p> <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered <i>[indicate place of destination]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is Prof. Jose Rubrico.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and |

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

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

Spare Parts –

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

Select appropriate requirements and delete the rest.

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

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

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of *[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.

| | |
|--|---|
| | <p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p> |
| | <p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p> |

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

Section VI. Schedule of Requirements

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

Section VII. Technical Specifications

Technical Specifications

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

***Section VIII. Checklist of Technical and
Financial Documents***

Checklist of Technical and Financial Documents

Name of Project: _____

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

- (e) 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**
- (f) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (g) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- (h) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (i) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (j) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding

calendar year which should not be earlier than two (2) years from the date of bid submission; **and**

- (k) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);

or

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

Class "B" Documents

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

or

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

II. FINANCIAL COMPONENT ENVELOPE

- (m) Original of duly signed and accomplished Financial Bid Form; **and**

- (n) Original of duly signed and accomplished Price Schedule(s).

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

- (o) *[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.
- (p) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.



SAMPLE FORMS

1. Bid Form
2. Bid Securing Declaration Form
3. Omnibus Sworn Statement (Revised)
4. Contract Agreement for the Procurement of Goods
(Revised)

Note: Price Schedule Forms are in a separate file.

Bid Form for the Procurement of Goods*[shall be submitted with the Bid]*

BID FORM

Date : _____

Project Identification No. : _____

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* [**Lot No. and description of the Goods**] in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

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

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

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

| Name and address of agent | Amount and Currency | Purpose of Commission or gratuity |
|---------------------------|---------------------|-----------------------------------|
| _____ | | |
| _____ | | |
| _____ | | |

(if none, state "None")]

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

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

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

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

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

Name: _____

Legal capacity: _____

Signature: _____

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

Date: _____

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

BID SECURING DECLARATION

Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

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

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

*[Insert NAME OF BIDDER OR ITS AUTHORIZED
REPRESENTATIVE]*

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)

CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

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

1. *[Select one, delete the other:]*

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

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

2. *[Select one, delete the other:]*

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

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

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or**

controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. *[Select one, delete the rest:]*

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

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

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

7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Contract Agreement Form for the Procurement of Goods (Revised)

[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT made the ___ day of _____ 20__ between [name of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier”) of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [*contract price in words and figures in specified currency*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, viz.:
 - i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;

- iii. Performance Security;
 - iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
 - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
 4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Name of Supplier]

[Insert Procuring Entity]

Acknowledgment

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

SCHEDULE OF REQUIREMENTS

| Lot No. | Description Delivery Schedule / Place | Approved Budget (ABC) |
|---------|--|------------------------------|
| | LOT 1: OFFICE LAPTOPS AND ACCESSORIES, OFFICE DESKTOPS WITH OFFICE SUITE, LAPTOPS WITH GPU AND ACCESSORIES | ABC: Php 1,150,000.00 |
| | Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City | |
| | LOT 2: WORKSTATION WITH GPU AND ACCESSORIES, COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES, UAV control / telemetry visualization devices (TABLET) | ABC: Php 2,410,000.00 |
| | Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City | |
| | LOT 3: AIR CONDITIONING UNITS | ABC: Php 330,000.00 |
| | Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City | |
| | LOT 4: BIOMETRIC LOCK ASSEMBLY, QR-BASED INVENTORY SYSTEM, CCTV KIT | ABC: Php 150,000.00 |
| | Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| | LOT 5: UAVs AND ACCESSORIES | ABC: Php 499,800.00 |
| | Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| | LOT 6: UAV VIDEO CAMERAS AND ACCESSORIES | ABC: Php 196,100.00 |
| | Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| | LOT 7: ON-BOARD COMPUTERS AND DEVELOPMENT KITS | ABC: Php 410,000.00 |
| | Delivery period: Up to One Hundred Eighty (180) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| | LOT 8: One Lot: UAV control / telemetry visualization devices (SMARTPHONE) | ABC: Php 23,000.00 |
| | Delivery period: Up to Forty-five (45) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |

SCHEDULE OF REQUIREMENTS

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| GRAND TOTAL: Php 5,168,900.00 |
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Technical Specifications

| Item | Specification | Statement of Compliance |
|------|--|---|
| | <p>General terms for all lots</p> <p>For Equipment:</p> <p>1) The equipment must come from a credible manufacturer with support through a distributor in the country; and</p> <p>2) The equipment must be brand new and unused.</p> | <p>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder’s statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</p> |

| Item | Specification | Statement of Compliance |
|--|---|-------------------------|
| <p>LOT 1:</p> <p>OFFICE LAPTOPS AND ACCESSORIES, OFFICE DESKTOPS WITH OFFICE SUITE, LAPTOPS WITH GPU AND ACCESSORIES</p> <p>ABC: Php 1,150,000.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> | | |
| <p>ITEM 1: OFFICE LAPTOP AND ACCESSORIES</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> | | |
| | <p>1. Office Laptop And Accessories (1 unit)</p> <ul style="list-style-type: none"> ● Operating System: macOS ● Chip: M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine ● Display: at least 13.3" (diagonal) LED-backlit display IPS or better ● Memory: 16GB RAM or bigger | |

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| | <ul style="list-style-type: none"> ● Storage: 2TB SSD or bigger ● Secure Authentication: Touch Bar and Touch ID Sensor ● INCLUSIONS: <ul style="list-style-type: none"> a. MS Office 2019 (MS Word, Excel, PowerPoint) or better b. Bluetooth and wireless Multi-touch Rechargeable Mouse c. Bag d. Laptop lock e. At least 1 Year Warranty for Parts & Services | |
| ITEM 2: OFFICE LAPTOP AND ACCESSORIES | | |
| Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City | | |
| | 1. Office Laptop And Accessories (1 unit) <ul style="list-style-type: none"> ● Operating System: macOS ● Chip: M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine ● Display: at least 13" Retina display w/ true tone or better ● Memory: 16GB RAM or bigger ● Storage: 2TB SSD or bigger ● Secure Authentication: Touch ID Sensor ● INCLUSIONS: <ul style="list-style-type: none"> a. MS Office 2019 (MS Word, Excel, PowerPoint) or better b. Bluetooth and wireless Multi-touch Rechargeable Mouse c. Bag d. Laptop lock e. At least 1 Year Warranty for Parts & Services | |
| ITEM 3: OFFICE LAPTOP AND ACCESSORIES | | |
| Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City | | |
| | 1. Office Laptop And Accessories (1 unit) <ul style="list-style-type: none"> ● Operating System: macOS ● Chip: M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine ● Display: at least 13" Retina display w/ true tone or better ● Memory: 16GB RAM or bigger ● Storage: 1TB SSD or bigger ● Secure Authentication: Touch ID Sensor ● INCLUSIONS: <ul style="list-style-type: none"> a. MS Office 2019 (MS Word, Excel, PowerPoint) or better b. Bluetooth and wireless Multi-touch Rechargeable Mouse c. 4TB External Hard Drive USB-C USB 3.0 d. Multiport adapter (HDMI, USB-C, USB-3.0, VGA, Ethernet, SD/Micro SD Card Slot) e. Bag f. Laptop lock g. At least 1 Year Warranty for Parts & Services | |
| ITEM 4: OFFICE DESKTOP WITH OFFICE SUITE | | |

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| <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| <p>1. OFFICE DESKTOP WITH OFFICE SUITE (3 Units)</p> | |
| <ul style="list-style-type: none"> ● Operating System: Windows 10 Pro or Windows 11 Pro ● Processor: AMD Ryzen 7 or better, or Intel Core i5 or better ● Graphics: NVIDIA/AMD GPU with 6GB RAM or higher ● Display: at least 23" IPS Monitor or bigger; at least 1080P resolution ● Memory: 16GB RAM or bigger ● Storage: 512G SSD + 2TB HDD or bigger ● INCLUSIONS: <ul style="list-style-type: none"> a. USB mouse w/ mousepad b. USB Keyboard c. MS Office 2019 (MS Word, Excel, PowerPoint) or better d. Uninterruptible Power Supply (UPS) with at least 30 minutes runtime capacity e. At least 2 Years Warranty for Parts & Services | |
| <p>ITEM 5: LAPTOP WITH GPU AND ACCESSORIES</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | |
| <p>1. LAPTOP WITH GPU AND ACCESSORIES (2 Units)</p> | |
| <ul style="list-style-type: none"> ● Operating System: Windows 10 Pro 64 bit or Windows 11 Pro ● Processor: Intel Core i7 or i9 or equivalent ● Graphics: RTX3080 Ti 12GB -16GB GDDR6 or equivalent/better ● Display: at least 15" 1920 x 1080 120Hz or equivalent/better ● Memory: 32G RAM or bigger ● Storage: 2TB SSD or bigger ● INCLUSIONS: <ul style="list-style-type: none"> a. Bag b. Laptop lock c. USB Mouse w/ mousepad d. At least 2 Years Warranty for Parts & Services e. MS Office 2019 (MS Word, Excel, PowerPoint) or better | |
| <p>LOT 2:</p> <p>WORKSTATION WITH GPU AND ACCESSORIES, COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES, UAV control / telemetry visualization devices (TABLET)</p> <p>ABC: Php 2,410,000.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City</p> | |
| <p>ITEM 1: WORKSTATION WITH GPU AND ACCESSORIES</p> <p>Delivery period: Up to Ninety (90) calendar days</p> | |

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| Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| 1. WORKSTATION WITH GPU AND ACCESSORIES (5 Units) | |
| <ul style="list-style-type: none"> ● Operating System: Windows 10 Pro 64 bit or Windows 11 Pro | |
| <ul style="list-style-type: none"> ● Processor: Intel Core i9 or better, or Intel Xeon or equivalent with CPU cooler | |
| <ul style="list-style-type: none"> ● Graphics: 2x NVIDIA RTX3080 TURBO 10GB or better/equivalent | |
| <ul style="list-style-type: none"> ● Display: 24-27" double screen configuration or bigger, tilt pivot swivel height adjustable or better, LED edge light, IPS FHD 1920 x 1080 120Hz-144Hz or bigger | |
| <ul style="list-style-type: none"> ● Memory: 64G RAM or bigger | |
| <ul style="list-style-type: none"> ● Storage: 2TB SSD + 4TB HDD or bigger | |
| <ul style="list-style-type: none"> ● Connectivity: Ethernet and Wi-Fi | |
| <ul style="list-style-type: none"> ● Power Supply: 1200 Watts or bigger | |
| <ul style="list-style-type: none"> ● INCLUSIONS: | |
| <ul style="list-style-type: none"> a. UPS at least 1600VA or higher | |
| <ul style="list-style-type: none"> b. USB Mouse w/ mousepad | |
| <ul style="list-style-type: none"> b. USB Keyboard | |
| <ul style="list-style-type: none"> c. At least 2 Years Warranty for Parts & Services | |
| <ul style="list-style-type: none"> d. MS Office 2019 (MS Word, Excel, PowerPoint) or better | |
| <ul style="list-style-type: none"> e. at least 4pcs cooling fan | |
| ITEM 2: COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES | |
| Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| 1. COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES (1 SET) | |
| <ul style="list-style-type: none"> ● OS: Windows 10 Pro 64 bit or Windows 11 Pro | |
| <ul style="list-style-type: none"> ● CPU: AMD Ryzen Threadripper 3960X 24-Core TRX40 or similar with CPU cooler | |
| <ul style="list-style-type: none"> ● Motherboard: Gigabyte TR40X Aorus Master or similar | |
| <ul style="list-style-type: none"> ● RAM: Corsair Vengeance LPX or RGB RT, 4x 32GB 8x16gb or similar | |
| <ul style="list-style-type: none"> ● GPU: 2x RTX 3090 24gb with NVLink or similar | |
| <ul style="list-style-type: none"> ● CASE: Thermaltake Core p8 or Corsair 1000D Super Tower Case or similar | |
| <ul style="list-style-type: none"> ● PSU: Seasonic PRIME 1300 watts 80+ platinum or similar | |
| <ul style="list-style-type: none"> ● SSD: 980 PCIe 3.0 NVMe M.2 2280 1TB or similar | |

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| | <ul style="list-style-type: none"> ● SSD: 3 x 2TB SSD 2.5" SATA 3 or similar | |
| | <ul style="list-style-type: none"> ● NAS Synology 8-bay DS1821+ or similar | |
| | <ul style="list-style-type: none"> ● HDD: 8 x Exos X16 16TB Enterprise or similar | |
| | <ul style="list-style-type: none"> ● APC UPS for superworkstation; 1440VA-1600VA | |
| | <ul style="list-style-type: none"> ● APC UPS for NAS; 500VA-650VA | |
| | <ul style="list-style-type: none"> ● Monitor: dual (27" x 2 + dual monitor stand) or curved (49" CRG9 dual QHD HDR1000 and QLED AMD Radeon(TM) FreeSync(TM) 2 and 120Hz refresh rate) or similar | |
| | <ul style="list-style-type: none"> ● Connectivity: Bluetooth, Ethernet and Wi-Fi | |
| | <ul style="list-style-type: none"> ● INCLUSIONS: | |
| | a. USB Mouse w/ mousepad | |
| | b. USB Keyboard | |
| | c. At least 2 Years Warranty for Parts & Services | |
| | d. At least 6pcs cooling fan | |
| | e. MS Office 2019 (MS Word, Excel, PowerPoint) or better | |
| ITEM 3: One Lot: UAV control / telemetry visualization devices (TABLET) Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | | |
| | TABLET - 10.9-inch (diagonal)/64GB/ Liquid Retina display/4K video recording/A14 Bionic chip with 64-bit architecture, Neural Engine/Nano Sim; e-Sim/Touch ID; Three-axis gyro/USB-C Charger; At least 1 Year Warranty for Parts & Services | |
| LOT 3: AIR CONDITIONING UNITS ABC: Php 330,000.00 Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | | |
| | 1. AIR CONDITIONING UNITS – at least 0.5HP AIRCON (3 Units) | |
| | <ul style="list-style-type: none"> ● Inverter | |
| | <ul style="list-style-type: none"> ● Split-type | |
| | <ul style="list-style-type: none"> ● INCLUSIONS: | |
| | a. Remote control | |
| | c. Installation (10ft piping) | |
| | d. Delivery Fee | |
| | e. At least 1 Year Warranty for Parts & Services | |
| | 2. AIR CONDITIONING UNITS - at least 1.5HP AIRCON (2 Units) | |
| | <ul style="list-style-type: none"> ● Inverter | |
| | <ul style="list-style-type: none"> ● Split-type | |
| | <ul style="list-style-type: none"> ● INCLUSIONS: | |

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| | a. Remote control | |
| | c. Installation (10ft piping) | |
| | d. Delivery Fee | |
| | e. At least 1 Year Warranty for Parts & Services | |
| | 3. AIR CONDITIONING UNITS - at least 2.5HP AIRCON (3 Units) | |
| | • Inverter | |
| | • Split-type | |
| | • INCLUSIONS: | |
| | a. Remote control | |
| | c. Installation (10ft piping) | |
| | d. Delivery Fee | |
| | f. At least 1 Year Warranty for Parts & Services | |
| LOT 4: | | |
| BIOMETRIC LOCK ASSEMBLY, QR-BASED INVENTORY SYSTEM, CCTV KIT | | |
| ABC: Php 150,000.00 | | |
| Delivery period: Up to Thirty (30) calendar days | | |
| Delivery and Installation: CARIM Bldg., UP Mindanao, Mintal, Tugbok District, Davao City | | |
| ITEM 1: BIOMETRIC LOCK ASSEMBLY | | |
| Delivery period: Up to Thirty (30) calendar days | | |
| Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | | |
| | 1. BIOMETRIC LOCK ASSEMBLY (1 Set) | |
| | • Multi-purpose System: Card Access, Fingerprint Access | |
| | • Magnetic Lock Bracket for Inswing Door | |
| | • Power-on Lock, Holding Force: 270kg, Working Voltage: DC12V/24V Input | |
| | • INCLUSIONS: | |
| | a. at least 10 Cards | |
| | b. Cabling Materials | |
| | c. Installation Fee | |
| | d. At least 1 Year Warranty for Parts & Services | |
| ITEM 2: QR-BASED INVENTORY SYSTEM | | |
| Delivery period: Up to Thirty (30) calendar days | | |
| Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | | |
| | 1. QR-BASED INVENTORY SYSTEM (1 Set) | |
| | • Read all major 1D and 2D Barcode Symbologies | |
| | • INCLUSIONS: | |
| | a. QR code scanner | |
| | b. Compact Barcode Printer (Label Satin - Ribbon included) | |
| | c. Free Training | |
| | d. At least 1 Year Warranty for Parts & Services | |

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| ITEM 3: CCTV KIT | |
| Delivery period: Up to Thirty (30) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| 1. CCTV KIT (1 Set) | |
| <ul style="list-style-type: none"> ● Internet Protocol (IP) Cameras | Double check the quality of cameras |
| <ul style="list-style-type: none"> ● Frame rate Up to 30 fps | |
| <ul style="list-style-type: none"> ● IP 66-67 | |
| <ul style="list-style-type: none"> ● High Dynamic Range technology | |
| <ul style="list-style-type: none"> ● Configurable video motion detection alarms | |
| <p>a. Five (5) Units of 2MP Fixed Dome Network Camera - High quality imaging with 2 MP resolution, Efficient H.265+ compression technology, Clear imaging against strong back light due DWDR technology, Water, and dust resistant (IP67) and vandal proof (IK10), Easy Installation with Power over Ethernet (PoE) technology.</p> | Double check if IR Sa brochure |
| <p>b. Three (3) Units of 2MP Fixed Bullet Network Cameras - 1/2.8" progressive scan CMOS, 1920 × 1080@30fps, 2.8 mm/4 mm fixed lens, or better; H.265+/H.265/H.264+/H.264; Dual stream; Digital WDR (Wide Dynamic Range); 3D DNR (Digital Noise Reduction); Up to 30 m IR range; PoE (Power over Ethernet); IP67</p> | |
| <p>c. One (1) HDD at least 4 TB Surveillance Type</p> | |
| <p>d. One (1) Unit of Network Video Recorder (NVR) - Supported resolution Max 12 Mpx-4000 x 3000 px, recording at up 8 MP resolution,</p> | |
| <p>e. One (1) Unit of at least 8 port POE Switch - E/M switches are layer 2 unmanaged PoE switches, 8 x 10/100Mbps PoE Ports and 2 x Gigabit RJ45 port. Up to 300 m long-range transmission.</p> | |
| <p>f. RJ 45 Connectors, UTP Cable CAT 5E, Cables, and Related Wiring/Conduit Materials, Assemblies, and Equipment</p> | |
| <p>g. Delivery and Installation of CCTV Kit</p> | |
| <p>h. At least 1 Year Warranty for Parts & Services</p> | |
| LOT 5: UAVs AND ACCESSORIES ABC: Php 499,800.00 | |
| Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City | |
| 1) UAVs AND ACCESSORIES: 1 Set Hexacopter UAV 30min Max Flight Time w/ 5kg payload, 21kg Maximum Takeoff Weight: 1 Aircraft Body w/ FPV Camera, 1 RC Controller, 4 Flight Batteries, 1 Battery Charger, 6 Pairs Propellers, 1 Hard Case, 1 GCS Software | |
| <ul style="list-style-type: none"> ● In the box of Hexacopter UAV 30min Max Flight Time w/ 5kg | |

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| | <p>payload, 21kg Maximum Takeoff Weight:</p> <ol style="list-style-type: none"> 1) 1 Hexacopter Aircraft Body w/ FPV Camera 2) 1 RC Controller 3) 4 Flight Battery 4) 1 Battery Charger 5) 6 Pair Propellers 6) 1 Hard Case 7) Manuals 8) 1 GCS Software 9) At least 1 Year Warranty for Parts and Services | |
| | <p>• Specifications of Hexacopter UAV 30min Max Flight Time w/ 5kg payload, 21kg Maximum Takeoff Weight:</p> | |
| | <p>1) Aircraft:</p> <ul style="list-style-type: none"> • 30min Max Flight Time w/ 5kg payload; 21kg Maximum Takeoff Weight; • Weight w/o payload: 12.27kg; Max flight time: 45Min (w/o payload); • Take Off and Landing: Auto, VTOL; Power source: Battery; Power: Electric Motor; • Motor: Electric Brushless; Material: FRP composite, Carbon, Stainless, Aluminum; • Number of Motors: 6 EA; Rotor type: Hexa; Payload Weight: 5-8 Kg; • Size: 1350 (Motor to Motor) *700 (Height) mm; • Max Operating Wind Speed: 13m/s; Max Speed: 17m/s; • Cruise Speed: 0~17m/s; Max Ascent speed: 2.5m/s; Max descent speed: 1.5m/s; • Max ceiling (Altitude) 3,000m; Satellite system: GPS GNSS; • Operating temperature: -10~40 C; IPXX: IP43. <p>@Flight Control:</p> <ul style="list-style-type: none"> • Single-board Flight Controller; • Processor: STM32H7I1K 32-bit Arm® Cortex®-M7, Action Clock: 480MHz, 1MB RAM, 2MB Flash, • DSP Instruction and Double-Precision FPU; • Co-processor: STM32F100; • Sensor: Accel/Gyro: ICM-20602, BMI088 / ISM330DLC, • Magnetometer: BMM150, Barometer: DPS368 / BMP388 / MS5611, • 8 Sensors: Acceleration/Gyro Sensor (3), Terrestrial Magnetic Sensor (2), Air Pressure Sensor (3); • Interface: 1 x Capture & Analog input port, 1 UART Port, 1 x I2C port, 2 UAVCAN Ports, • 3 Telemetry Ports, 2 GPS Ports, 1 Buzzar & USB Port, 1 USB-C type; • Power: 5V; Operating temperature: -10~55 C; • PWM: 8 Main PWM / 6 AUX PWM • UI: 3 LED Light, B/E, PWR Status indicator; • Update: Via GCS Software; FMUV6 Firmware, Compatible with | |

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| | <p>Ardupilot /Autopilot;</p> <ul style="list-style-type: none"> • Size: 44mm(W) x 85mm(H) x 18mm(D); <p>@Power Module:</p> <ul style="list-style-type: none"> • Module Type: 6S 24V Battery Type; Input Voltage: 5 ~ 30V; • Output Voltage: 3.3V, 5V, 12V, 16V; Max. Current: 4A; • Working Temperature: -40°C ~ 105°C; Size: 40mm(W) x 105mm(H) x 35mm(D); <p>@Camera: IP Camera; Full HD 1080P (1920 x 1080).</p> <p>2) RC Controller:</p> <ul style="list-style-type: none"> • Futaba 14SG Transmitter – 14-Channel Digital Proportional RC System; 2-stick; • T14SG transmitter frequency: 2.4 GHz band; system: FASSTest14CH, FASSTest12CH, FASST MULT, FASST 7CH, S-FHSS, switchable; power supply: 6.0 V HT5F1800B NiMH battery; • Receiver R7008SB: size: 24.9 x 47.3 x 14.3 mm (0.98 x 1.86 x 0.56 in); weight: 10.9 g (0.38 oz); • power requirements: DC 3.7~7.4V; voltage range: DC 3.5~8.4V; <p>3) Flight Battery</p> <ul style="list-style-type: none"> • Capacity: 25,000mAH x 2set = 50,000mA; • Voltage: 22.8V; Cell: 6S x 2Set; • Type: Lipo HV. | |
| <p>LOT 6: UAV VIDEO CAMERAS AND ACCESSORIES ABC: Php 196,100.00</p> <p>Delivery period: Up to Ninety (90) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | | |
| | <p>UAV VIDEO CAMERAS AND ACCESSORIES: 1 Set Datalink: Ground Unit (95g/PCB) w/ antenna (85g) & UAV Module (58g/PCB) w/ antenna (22g); 2.4GHz,5.8GHz; Up to 300Mbps, optimal 20Mbps w/in 5km; Max 10km at LOS; addt'l 1 Air Unit; Antenna (sender): Omni Direction</p> <p>In the box of 1 Set Datalink:</p> <ol style="list-style-type: none"> 1) 1 Ground Unit w/ Antenna 2) 1 UAV Module w/ Antenna, additional 1 air unit 3) Cables and Charger 4) Manuals 5) At least 1 Year Warranty for Parts and Services <p>Specifications of 1 Set Datalink:</p> <p>@General</p> <ul style="list-style-type: none"> • Operating Temperature: -20°C ~ +70°C; • Humidity: 5% to 95% (non-condensing); • Power: USB-C(1.5A) or DC Jack 5V; • Dimension: W105 x L100 x H18 mm (Ground Unit), W80 x L50 | |

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| | <p>x H25 mm (UAV unit);</p> <ul style="list-style-type: none"> ● Weight (PCB Only): 95g (Ground Unit), 58g (UAV unit). <p>@Wireless</p> <ul style="list-style-type: none"> ● Standards: ● IEEE802.11a/n/h/s for Wireless LAN, ● IEEE802.11i for Wireless Security, ● IEEE802.3u for 10/100/1000T(X) Full Duplex; ● Operation Mode: Access Point, Bridge; ● Wireless Standard: IEEE802.11a/b/g, 802.11n; ● Frequency Range: 2.4GHz, 5.8GHz; ● Rate: Optimal 20Mbps, Max 300Mbps; ● Modulation: 11n (HT20/HT40) : MCS0 ~ MCS15 (OFDM); ● Sensitivity: 5.8 GHz, OFDM 6Mbps : -90dBm, 54Mbps : -73dBm; ● Bandwidth: Ability to configure 20 and 40MHz channel bandwidth, Transmit Power Control(TPC); ● Device Managements: ● Administrator ID/PW, Station & AP Associated Information, ● System Information, Telnet/SSH Server Support, ● Web-based Configuration, Upgrade through HTTP/TFTP, ● Event Log (WEB Interface), Factory Default. <p>@Network Interface:</p> <ul style="list-style-type: none"> ● 2 x Serial Ports, 1 x micro USB Port(USB to Serial), ● 2 x USB2.0 Ports, 1 x LTE PCI-E Slot, 1 x USIM Slot, ● 1 x Ethernet 10/100/1000BASE-T(RJ-45) Auto negotiation speed; ● LAN / WAN: IP, Subnet, Gateway; ● DHCP: Server/Client; ● Protocol: ● TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, ● SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, ARP, DNS; ● Security: ● SSID Protection, 64bit-128bit WEP Encryption, 802.11i, AES and/or TKIP, ● WPA2.0(with Radius Server or Pre- Shared Key), WPA, 802.1x Authentication, ● IP/MAC Filtering (Allow, Deny), HTTPS(SSL) Encryption, Password Protection; ● Operating Range: Max 10Km at LOS. <p>@Antenna:</p> <ul style="list-style-type: none"> ● MIMO 2x2 Antenna Outdoor Type; ● Receiver: ● Frequency Range: 5150-5850Ghz; Beamwidth: Vertical 7° Horizontal 360°; | |
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| | <ul style="list-style-type: none"> • Gain: 12 dBi; Impedance: 50 Ω; Dimension: Φ14x490 mm; Weight: 85g. • Sender: • Frequency Range: 5150-5850Ghz; Type: Omni direction; • Gain: 6 dBi; Impedance: 50 Ω; Dimension: Φ15x150 mm; Weight: 22g. | |
| <p>LOT 7: ON-BOARD COMPUTERS AND DEVELOPMENT KITS ABC: Php 410,000.00</p> <p>Delivery period: Up to One Hundred Eighty (180) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | | |
| | <p>1 set of onboard computers for UAVs, either: 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 1x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; and 1x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD; and 1x Onboard Computer with OSDK expansion module at least 256GB SATA-SSD i7 processor or at least 128GB SATA-SSD TX2 processor;</p> <p>-OR- 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 2x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; and 2x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD;</p> <p>-OR- 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 4x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD;</p> <p>-OR- 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 5x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD;</p> <p>-OR- 3x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; and 3x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD;</p> <p>-OR- 4x Onboard Computer with OSDK expansion module at least 256GB SATA-SSD i7 processor or at least 128GB SATA-SSD TX2 processor.</p> | |
| | <p>In the box and features of Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server:</p> <ol style="list-style-type: none"> 1) 1 x Mate Carrier Board 2) 1 x Mate Cooling Fan 3) 1 x Mate Case 4) Standard has 1 Nano & 3 Xavier NX SoMs for GPU Cluster/ Server 5) Advanced has 4 Xavier NX SoMs for GPU Cluster/ Server 6) At least 1 Year Warranty <ul style="list-style-type: none"> • Standard - Can utilize the power of one Nano with 0.5 TFLOPS and three Xavier NX with 6 TFLOPS each; • Advanced - Can utilize the power of four Xavier NX with 6 TFLOPS each; • Pre-installed SoMs on Mate carrier board • All-in-one solution with a case, cooling fan, and SoMs in a compact form factor • Easy to build a GPU cluster • Onboard 5-port Gigabit switch for the SoMs to communicate with each other • One master node with three worker nodes with the ability to power on/off the worker nodes separately | |
| | <p>In the box and features of SUB Mini PC-Black that has Xavier NX</p> | |

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| | <p>module, 256GB SATA SSD:</p> <ol style="list-style-type: none"> 1) 1 x Aluminum Frame Black 2) 1 x Xavier NX module 3) 1 x Carrier board 4) 1 x 19V/4.74A (MAX 90W) Power Adapter (if possible, with Power cable) 5) 2 x Antennas 6) At least 1 Year Warranty <ul style="list-style-type: none"> • Compact design for a mini-PC with an overall dimension of 205mm x 130mm x 65mm • Powered by the 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 • 384-core NVIDIA Volta™ GPU with 48 Tensor Cores provides 21 TOPS AI performance • Rich peripherals including Dual gigabit ethernet ports, 4 USB 3.0 Type-A ports, and HDMI port • Pre-installed Wifi module and antenna • Pre-installed 256 GB (2.5-inch SATA) SSD • Pre-installed OLED screen showing ports occupation and storage state, customization allowance • Big passive heat dissipation with fully-sealing design • Pre-installed NVIDIA official JetPack software | |
| | <p>In the box and features of SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD:</p> <ol style="list-style-type: none"> 1) 1 x Aluminum Frame 2) 1 x Xavier NX module 3) 1 x Heatsink 4) 1 x Carrier board 5) 1 x 19V/4.74A (MAX 90W) Power Adapter (if possible, with Power cable) 6) 2 x Antennas 7) At least 1 Year Warranty <ul style="list-style-type: none"> • Compact design for a mini-PC with an overall dimension of 130mmx90mmx60mm • Powered by the 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 • 384-core NVIDIA Volta™ GPU with 48 Tensor Cores provides 21 TOPS AI performance • Rich peripherals including Gigabit Ethernet port, 4 USB 3.1 Type-A ports, HDMI port and DP port • Pre-installed Wifi module and antenna • Pre-installed 128GB (M.2 key M) SSD • Quiet cooling fan • Whole oval aluminum frame • Pre-installed NVIDIA official JetPack software | |
| | <p>In the box and features of Onboard Computer with OSDK expansion module at least 256GB SATA-SSD i7 processor:</p> <ol style="list-style-type: none"> 1) 1 Manifold 2-C 2) If possible, with 1 Power Distribution Unit, 1 USB 3.0 Hub, 1 AC | |

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| | <p>Power Adapter, 1 Button I/O Extension Unit, 1 Assembly Bracket Set, 1 AC Power Cable, CAN, UART, Micro USB, I/O, OTG Cables, Power Cables, Manuals, and OSDK expansion module set: Bracket A (upper) x 2, Bracket B (left) x 1, Bracket C (right) x 1, Bracket D (reinforcing rib) x 3, Bracket connection block x 4, OSDK adapter plate module x 1, USB cable (with two type-A ports) x 1, XT30 power cable x 1, Wire clip x 3, Foot pad x 3, Hand screw x 5, Screw A (M1.6) x 15, Screw B (M2.0) x 5, Screw C (M3.0) x 5, Screw D (M1.6 step) x 3, Screwdriver kit x 1.</p> <p>3) If possible, at least 1 Year Warranty</p> <ul style="list-style-type: none"> ● for robotics applications and real-time data analysis; ● Model: MF2C or equivalent; ● Weight: Approx. 205 g or equivalent; ● Dimensions: 91 x 61 x 35 mm or equivalent; ● Processor: Intel Core i7-8550U or equivalent; ● Memory: 8GB 64 bit, DDR4 2400 MHz or equivalent; ● eMMC: N/A; ● SATA-SSD: 256 GB or equivalent; ● Network: 1000Mbps Ethernet RJ-45 Port or equivalent; ● USB: USB 3.0 Port (Type A) x 2, USB 3.0 Port (Micro-B) x 1 ● I/O: UART Port 1; ● Power: 5 - 60 W; ● Power Supply: 15.2 - 27.0 V Power Port 2 Independent Power Supply; ● Operating Temperature: -13 to 113 °F (-25 to 45 °C). ● OSDK expansion module or equivalent As-assembled size: 200 x 120 x 40 mm. | |
| | <p>In the box and features of Item Onboard Computer with OSDK expansion module at least 128GB SATA-SSD TX2 processor:</p> <p>1) 1 Manifold 2-G</p> <p>2) If possible, with 1 Power Distribution Unit, 1 USB 3.0 Hub, 1 AC Power Adapter, 1 Button I/O Extension Unit, 1 Assembly Bracket Set, 2 Wi-Fi Antenna, 1 AC Power Cable, CAN, UART, Micro USB, I/O, OTG Cables, Power Cables, Manuals, and OSDK expansion module set: Bracket A (upper) x 2, Bracket B (left) x 1, Bracket C (right) x 1, Bracket D (reinforcing rib) x 3, Bracket connection block x 4, OSDK adapter plate module x 1, USB cable (with two type-A ports) x 1, XT30 power cable x 1, Wire clip x 3, Foot pad x 3, Hand screw x 5, Screw A (M1.6) x 15, Screw B (M2.0) x 5, Screw C (M3.0) x 5, Screw D (M1.6 step) x 3, Screwdriver kit x 1.</p> <p>3) If possible, at least 1 Year Warranty</p> <ul style="list-style-type: none"> ● for AI, image processing, motion analysis, and object recognition; ● Model: MF2G or equivalent; ● Weight: Approx. 230 g; Dimensions: 91 x 61 x 35 mm or equivalent; ● Processor: NVIDIA TX2 or equivalent; ● Memory: 8GB 128 bit, DDR4 1333 MHz or equivalent; ● eMMC: 32 GB (approx. 28 GB available) or equivalent; ● SATA-SSD: 128 GB or equivalent; | |

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| | <ul style="list-style-type: none"> ● Network: 1000Mbps Ethernet RJ-45 Port, Wi-Fi, Transmission Standard: IEEE, ● 802.11a/b/g/n/ac, Max Transmission Speed: 866.7 Mbps, or equivalent ● Operating Frequency: 2.4000 - 2.4835 GHz, 5.150 - 5.250 GHz*; 5.250 - 5.350 GHz* or equivalent, *limited to indoor use. ● EIRP: < 20 dBm (2.4000 - 2.4835 GHz), < 20 dBm (5.150 - 5.250 GHz), < 23 dBm (5.250 - 5.350 GHz) or equivalent; ● USB: USB 3.0 Port (Type A) × 2, USB 3.0 Port (Micro-B) × 1; ● I/O: CAN Port 2, UART Port 2, I2C Port 1, SPI Port 1; ● Power: 3 - 25 W; Power Supply: 13.2 - 27.0 V Power Port 2 Independent Power Supply; ● Operating Temperature: -13 to 113 °F (-25 to 45 °C). ● OSDK expansion module or equivalent As-assembled size: 200 x 120 x 40 mm. | |
| <p>LOT 8: One Lot: UAV control / telemetry visualization devices (SMARTPHONE) ABC: Php 23,000.00</p> <p>Delivery period: Up to Forty-five (45) calendar days Delivery and Installation: CARIM Bldg., UP Mindanao Mintal, Tugbok District, Davao City</p> | | |
| | <p>SMARTPHONE (iOS) - Details: Onetime cash out payment for 24-month postpaid plan of one (1) unit iOS smartphone with 256 GB storage capacity and unlimited calls & texts to other networks and landlines</p> | |

Price Schedule for Goods Offered from Within the Philippines
[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. _____ Page ___ of ___

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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| Item | Description | Country of origin | Quantity | Unit price EXW per item | Transportation 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) |
| | LOT 1: OFFICE LAPTOPS AND ACCESSORIES, OFFICE DESKTOPS WITH OFFICE SUITE, LAPTOPS WITH GPU AND ACCESSORIES | | | | | | | | |
| 1 | OFFICE LAPTOP AND ACCESSORIES (1 UNIT) <ul style="list-style-type: none"> ● Operating System: macOS ● Chip: M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine ● Display: 13.3" (diagonal) LED-backlit display IPS or better ● Memory: 16GB RAM or bigger ● Storage: 2TB SSD or bigger ● Secure Authentication: Touch Bar and Touch ID Sensor ● Inclusions: <ul style="list-style-type: none"> a. MS Office 2019 (MS Word, Excel, PowerPoint) or better | | 1 | | | | | | |

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| | <ul style="list-style-type: none"> b. Bluetooth and wireless Multi-touch Rechargeable Mouse c. Bag d. Laptop lock e. At least 1 Year Warranty for Parts & Services | | | | | | | | |
| 2 | <p>OFFICE LAPTOP AND ACCESSORIES (1 UNIT)</p> <ul style="list-style-type: none"> ● Operating System: macOS ● Chip: M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine ● Display: at least 13" Retina display w/ true tone or better ● Memory: 16GB RAM or bigger ● Storage: 2TB SSD or bigger ● Secure Authentication: Touch ID Sensor ● Inclusions: <ul style="list-style-type: none"> a. MS Office 2019 (MS Word, Excel, PowerPoint) or better b. Bluetooth and wireless Multi-touch Rechargeable Mouse c. Bag d. Laptop lock e. At least 1 Year Warranty for Parts & Services | | 1 | | | | | | |
| 3 | <p>OFFICE LAPTOP AND ACCESSORIES (1 UNIT)</p> <ul style="list-style-type: none"> ● Operating System: macOS ● Chip: M1 chip with 8-core CPU, 8-core GPU and 16-core Neural Engine ● Display: at least 13" Retina display w/ true tone or better ● Memory: 16GB RAM or bigger ● Storage: 1TB SSD or bigger ● Secure Authentication: Touch ID Sensor ● Inclusions: <ul style="list-style-type: none"> a. MS Office 2019 (MS Word, Excel, | | 1 | | | | | | |

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| | <ul style="list-style-type: none"> PowerPoint) or better b. Bluetooth and wireless Multi-touch Rechargeable Mouse c. 4TB External Hard Drive USB-C USB 3.0 d. Multiport adapter (HDMI, USB-C, USB-3.0, VGA, Ethernet, SD/Micro SD Card Slot) e. Bag f. Laptop lock g. At least 1 Year Warranty for Parts & Services | | | | | | | | |
| 4 | <p>OFFICE DESKTOP WITH OFFICE SUITE (3 UNITS)</p> <ul style="list-style-type: none"> ● Operating System: Windows 10 Pro or Windows 11 Pro ● Processor: AMD Ryzen 7 or better; Intel Core i5 or better ● Graphics: NVIDIA/AMD GPU with 6GB RAM or higher ● Display: at least 23" IPS Monitor or bigger; at least 1080P resolution ● Memory: 16GB RAM or bigger ● Storage: 512G SSD + 2TB HDD or bigger ● Inclusions: <ul style="list-style-type: none"> a. USB mouse w/ mouse pad b. USB Keyboard c. MS Office 2019 (MS Word, Excel, PowerPoint) or better d. Uninterruptible Power Supply (UPS) with at least 30 minutes runtime capacity e. At least 2 Years Warranty for Parts & Services | | 3 | | | | | | |
| 5 | <p>LAPTOP WITH GPU AND ACCESSORIES (2 UNITS)</p> <ul style="list-style-type: none"> ● Operating System: Windows 10 Pro 64 bit or Windows 11 Pro ● Processor: Intel Core i7 or i9 or equivalent ● Graphics: RTX3080 Ti 12GB – 16GB GDDR6 or | | 2 | | | | | | |

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| | <ul style="list-style-type: none"> equivalent/better ● Display: at least 15" 1920 x 1080 120Hz or equivalent/better ● Memory: 32G RAM or bigger ● Storage: 2TB SSD or bigger ● Inclusions: <ul style="list-style-type: none"> a. Bag b. Laptop lock c. USB mouse w/ mouse pad d. At least 2 Years Warranty for Parts & Services e. MS Office 2019 (MS Word, Excel, PowerPoint) or better | | | | | | | | |
| | LOT 2: WORKSTATION WITH GPU AND ACCESSORIES, COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES, UAV CONTROL / TELEMETRY VISUALIZATION DEVICES (TABLET) | | | | | | | | |
| 1 | WORKSTATION WITH GPU AND ACCESSORIES (5 UNITS) <ul style="list-style-type: none"> ● Operating System: Windows 10 Pro 64 bit or Windows 11 Pro ● Processor: Intel Core i9 or better; Intel Xeon or equivalent with CPU cooler ● Graphics: 2x NVIDIA RTX3080 TURBO 10GB or better/equivalent ● Display: 24-27" double screen configuration or bigger, tilt pivot swivel height adjustable or better, LED edge light, IPS FHD 1920 x 1080 120Hz-144Hz or bigger ● Memory: 64G RAM or bigger ● Storage: 2TB SSD + 4TB HDD or bigger ● Connectivity: Ethernet and Wi-Fi ● Power Supply: 1200 Watts or bigger ● Inclusions: <ul style="list-style-type: none"> a. UPS at least 1600VA or higher | | 5 | | | | | | |

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| | <ul style="list-style-type: none"> b. USB Mouse w/ mousepad c. USB Keyboard d. At least 2 Years Warranty for Parts & Services e. MS Office 2019 (MS Word, Excel, PowerPoint) or better f. At least 4pcs cooling fan | | | | | | | | |
| 2 | <p>COMPUTING STATION WITH GPU AND HIGH-CAPACITY STORAGE AND ACCESSORIES (1 SET)</p> <ul style="list-style-type: none"> • OS: Windows 10 Pro 64 bit or Windows 11 Pro • CPU: AMD Ryzen Threadripper 3960X 24-Core TRX40 or similar with CPU cooler • Motherboard: Gigabyte TR40X Aorus Master or similar • RAM: Corsair Vengeance LPX or RGB RT, 4x 32GB 8x16gb or similar • GPU: 2 x RTX 3090 24gb with NVLink or similar • CASE: Thermaltake Core p8 or Corsair 1000D Super Tower Case or similar • PSU: Seasonic PRIME 1300 watts 80+ platinum or similar • SSD: 980 PCIe 3.0 NVMe M.2 2280 1TB or similar • SSD: 3 x 2TB SSD 2.5" SATA 3 or similar • NAS Synology 8-bay DS1821+ or similar • HDD: 8 x Exos X16 16TB Enterprise or similar • APC UPS for superworkstation; 1440VA-1600VA • APC UPS for NAS; 500VA-650VA • Monitor: dual (27" x 2 + dual monitor stand) or curved (49" CRG9 dual QHD HDR1000 and QLED AMD Radeon(TM) FreeSync(TM) 2 and 120Hz refresh rate) or similar | 1 | | | | | | | |

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| | <ul style="list-style-type: none"> ● Connectivity: Bluetooth, Ethernet and Wi-Fi ● Inclusions: <ol style="list-style-type: none"> a. USB Mouse w/ mousepad b. USB Keyboard c. At least 2 Years Warranty for Parts & Services d. At least 6pcs cooling fan e. MS Office 2019 (MS Word, Excel, PowerPoint) or better | | | | | | | | |
| 3 | TABLET - 10.9-inch (diagonal)/64GB/ Liquid Retina display/4K video recording/A14 Bionic chip with 64-bit architecture, Neural Engine/Nano Sim; e-Sim/Touch ID; Three-axis gyro/USB-C Charger; At least 1 Year Warranty for Parts & Services | | 1 | | | | | | |
| LOT 3: Air Conditioning Units | | | | | | | | | |
| 1 | AIR CONDITIONING UNITS <ul style="list-style-type: none"> ● at least 0.5HP AIRCON (3 units) ● Specifications: Inverter, Split-type ● Inclusions: <ol style="list-style-type: none"> a. Remote control b. Installation (10ft piping) c. Delivery fee d. At least 1 Year Warranty for Parts & Services | | 3 | | | | | | |
| 2 | AIR CONDITIONING UNITS <ul style="list-style-type: none"> ● at least 1.5HP AIRCON (2 Units) ● Specifications: Inverter, Split-type ● Inclusions: <ol style="list-style-type: none"> a. Remote control b. Installation (10ft piping) c. Delivery fee d. At least 1 Year Warranty for Parts & Services | | 2 | | | | | | |

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| 3 | AIR CONDITIONING UNITS <ul style="list-style-type: none"> ● at least 2.5HP AIRCON (3 Units) ● Specifications: Inverter, Split-type ● Inclusions: <ul style="list-style-type: none"> a. Remote control b. Installation (10ft piping) c. Delivery fee d. At least 1 Year Warranty for Parts & Services | | 3 | | | | | | |
| LOT 4: BIOMETRIC LOCK ASSEMBLY, QR-BASED INVENTORY SYSTEM, CCTV KIT | | | | | | | | | |
| 1 | BIOMETRIC LOCK ASSEMBLY (1 SET) <ul style="list-style-type: none"> ● Multi-purpose System: Card Access, Fingerprint Access ● Magnetic Lock Bracket for Inswing Door ● Power-on Lock, Holding Force: 270kg, Working Voltage: DC12V/24V Input ● Inclusions: <ul style="list-style-type: none"> a. At least 10 Cards b. Cabling Materials c. Installation Fee d. At least 1 Year Warranty for Parts & Services | | 1 | | | | | | |
| 2 | QR-BASED INVENTORY SYSTEM (1 SET) <ul style="list-style-type: none"> ● Read all major 1D and 2D Barcode Symbologies ● Inclusions: <ul style="list-style-type: none"> a. QR code scanner b. Compact Barcode Printer (Label Satin - Ribbon included) c. Free training d. At least 1 Year Warranty for Parts & Services | | 1 | | | | | | |
| 3 | CCTV KIT <ul style="list-style-type: none"> ● Internet Protocol (IP) Cameras ● Frame rate Up to 30 fps ● IP 66-67 | | 1 | | | | | | |

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| | <ul style="list-style-type: none"> ● High Dynamic Range technology ● Configurable video motion detection alarms ● Inclusions: <ol style="list-style-type: none"> a. Five (5) Units of 2MP Fixed Dome Network Cameras - High quality imaging with 2 MP resolution, Efficient H.265+ compression technology, Clear imaging against strong back light due DWDR technology, Water, and dust resistant (IP67) and vandal proof (IK10), Easy Installation with Power over Ethernet (PoE) technology b. Three (3) Units of 2MP Fixed Bullet Network Cameras - 1/2.8" progressive scan CMOS, 1920 × 1080@30fps, 2.8 mm/4 mm fixed lens, or better; H.265+/H.265/H.264+/H.264; Dual stream; Digital WDR (Wide Dynamic Range); 3D DNR (Digital Noise Reduction); Up to 30 m IR range; PoE (Power over Ethernet); IP67 c. One (1) HDD at least 4 TB Surveillance Type d. One (1) Unit of Network Video Recorder (NVR) - Supported resolution Max 12 Mpx-4000 x 3000 px, recording at up 8 MP resolution e. One (1) Unit of at least 8 port POE Switch - E/M switches are layer 2 unmanaged PoE switches, 8 x 10/100Mbps PoE Ports and 2 x Gigabit RJ45 port. Up to 300 m long-range transmission f. RJ 45 Connectors, UTP Cable CAT 5E, Cables, and Related Wiring/Conduit Materials, Assemblies, and Equipment g. Delivery and Installation of CCTV Kit h. At least 1 Year Warranty for Parts & Services | | | | | | | | |
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| | LOT 5: UAVS AND ACCESSORIES | | | | | | | | | | | |
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| 1 | UAVs AND ACCESSORIES: 1 Set Hexacopter UAV 30min Max Flight Time w/ 5kg payload, 21kg Maximum Takeoff Weight: 1 Aircraft Body w/ FPV Camera, 1 RC Controller, 4 Flight Batteries, 1 Battery Charger, 6 Pairs Propellers, 1 Hard Case, 1 GCS Software | | 1 | | | | | | | | | |
| | <p>• <i>In the box of Hexacopter UAV 30min Max Flight Time w/ 5kg payload, 21kg Maximum Takeoff Weight:</i></p> <ol style="list-style-type: none"> 1) 1 Hexacopter Aircraft Body w/ FPV Camera 2) 1 RC Controller 3) 4 Flight Battery 4) 1 Battery Charger 5) 6 Pair Propellers 6) 1 Hard Case 7) Manuals 8) 1 GCS Software 9) At least 1 Year Warranty for Parts & Services <p><i>Specifications of Hexacopter UAV 30min Max Flight Time w/ 5kg payload, 21kg Maximum Takeoff Weight:</i></p> <p>1) Aircraft:</p> <ul style="list-style-type: none"> • 30min Max Flight Time w/ 5kg payload; 21kg Maximum Takeoff Weight; • Weight w/o payload: 12.27kg; Max flight time: 45Min (w/o payload); • Take Off and Landing: Auto, VTOL; Power source: Battery; Power: Electric Motor; • Motor: Electric Brushless; Material: FRP composite, Carbon, Stainless, Aluminum; • Number of Motors: 6 EA; Rotor type: Hexa; Payload Weight: 5-8 Kg; • Size: 1350 (Motor to Motor) *700 (Height) mm; | | | | | | | | | | | |

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| <ul style="list-style-type: none"> • Max Operating Wind Speed: 13m/s; Max Speed: 17m/s; • Cruise Speed: 0~17m/s; Max Ascent speed: 2.5m/s; Max descent speed: 1.5m/s; • Max ceiling (Altitude) 3,000m; Satellite system: GPS GNSS; • Operating temperature: -10~40 C; IPXX: IP43. <p>@Flight Control:</p> <ul style="list-style-type: none"> • Single-board Flight Controller; • Processor: STM32H7IIK 32-bit Arm® Cortex®-M7, Action Clock: 480MHz, 1MB RAM, 2MB Flash, • DSP Instruction and Double-Precision FPU; • Co-processor: STM32F100; • Sensor: Accel/Gyro: ICM-20602, BMI088 / ISM330DLC, • Magnetometer: BMM150, Barometer: DPS368 / BMP388 / MS5611, • 8 Sensors: Acceleration/Gyro Sensor (3), Terrestrial Magnetic Sensor (2), Air Pressure Sensor (3); • Interface: 1 x Capture & Analog input port, 1 UART Port, 1 x I2C port, 2 UAVCAN Ports, • 3 Telemetry Ports, 2 GPS Ports, 1 Buzzar & USB Port, 1 USB-C type; • Power: 5V; Operating temperature: -10~55 C; • PWM: 8 Main PWM / 6 AUX PWM • UI: 3 LED Light, B/E, PWR Status indicator; • Update: Via GCS Software; FMUV6 Firmware, Compatible with Ardupilot /Autopilot; • Size: 44mm(W) x 85mm(H) x 18mm(D); <p>@Power Module:</p> <ul style="list-style-type: none"> • Module Type: 6S 24V Battery Type; Input Voltage: 5 ~ 30V; • Output Voltage: 3.3V, 5V, 12V, 16V; Max. Current: 4A; • Working Temperature: -40°C ~ 105°C; Size: 40mm(W) x 105mm(H) x 35mm(D); | | | | | | | | |
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| | <p>@Camera: IP Camera; Full HD 1080P (1920 x 1080).</p> <p>2) RC Controller:</p> <ul style="list-style-type: none"> • Futaba 14SG Transmitter – 14-Channel Digital Proportional RC System; 2-stick; • T14SG transmitter frequency: 2.4 GHz band; system: FASSTest14CH, FASSTest12CH, FASST MULT, FASST 7CH, S-FHSS, switchable; power supply: 6.0 V HT5F1800B NiMH battery; • Receiver R7008SB: size: 24.9 x 47.3 x 14.3 mm (0.98 x 1.86 x 0.56 in); weight: 10.9 g (0.38 oz); • power requirements: DC 3.7~7.4V; voltage range: DC 3.5~8.4V; <p>3) Flight Battery</p> <ul style="list-style-type: none"> • Capacity: 25,000mAH x 2set = 50,000mA; • Voltage: 22.8V; Cell: 6S x 2Set; • Type: Lipo HV. | | | | | | | | |
| | LOT 6: UAV VIDEO CAMERAS AND ACCESSORIES | | | | | | | | |
| 1 | <p>UAV VIDEO CAMERAS AND ACCESSORIES: 1 Set Datalink: Ground Unit (95g/PCB) w/ antenna (85g) & UAV Module (58g/PCB) w/ antenna (22g); 2.4GHz,5.8GHz; Up to 300Mbps, optimal 20Mbps w/in 5km; Max 10km at LOS; addt'l 1 Air Unit; Antenna (sender): Omni Direction</p> <p><i>In the box of 1 Set Datalink:</i></p> <ol style="list-style-type: none"> 1) 1 Ground Unit w/ Antenna 2) 1 UAV Module w/ Antenna, additional 1 air unit 3) Cables and Charger 4) Manuals 5) At least 1 Year Warranty for Parts & Services <p><i>Specifications of 1 Set Datalink:</i></p> <p>@General</p> | 1 | | | | | | | |

- Operating Temperature: -20°C ~ +70°C;
- Humidity: 5% to 95% (non-condensing);
- Power: USB-C(1.5A) or DC Jack 5V;
- Dimension: W105 x L100 x H18 mm (Ground Unit), W80 x L50 x H25 mm (UAV unit);
- Weight (PCB Only): 95g (Ground Unit), 58g (UAV unit).

Specifications of 1 Set Datalink:

@General

- Operating Temperature: -20°C ~ +70°C;
- Humidity: 5% to 95% (non-condensing);
- Power: USB-C(1.5A) or DC Jack 5V;
- Dimension: W105 x L100 x H18 mm (Ground Unit), W80 x L50 x H25 mm (UAV unit);
- Weight (PCB Only): 95g (Ground Unit), 58g (UAV unit).

@Wireless

- Standards:
- IEEE802.11a/n/h/s for Wireless LAN,
- IEEE802.11i for Wireless Security,
- IEEE802.3u for 10/100/1000T(X) Full Duplex;
- Operation Mode: Access Point, Bridge;
- Wireless Standard: IEEE802.11a/b/g, 802.11n;
- Frequency Range: 2.4GHz, 5.8GHz;
- Rate: Optimal 20Mbps, Max 300Mbps;
- Modulation: 11n (HT20/HT40) : MCS0 ~ MCS15 (OFDM);
- Sensitivity: 5.8 GHz, OFDM 6Mbps : -90dBm, 54Mbps : -73dBm;
- Bandwidth: Ability to configure 20 and 40MHz channel bandwidth, Transmit Power Control(TPC);
- Device Managements:
- Administrator ID/PW, Station & AP Associated Information,

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| | <ul style="list-style-type: none"> • System Information, Telnet/SSH Server Support, • Web-based Configuration, Upgrade through HTTP/TFTP, • Event Log (WEB Interface), Factory Default. <p>@Network Interface:</p> <ul style="list-style-type: none"> • 2 x Serial Ports, 1 x micro USB Port(USB to Serial), • 2 x USB2.0 Ports, 1 x LTE PCI-E Slot, 1 x USIM Slot, • 1 x Ethernet 10/100/1000BASE-T(RJ-45) Auto negotiation speed; • LAN / WAN: IP, Subnet, Gateway; • DHCP: Server/Client; • Protocol: • TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, • SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, ARP, DNS; • Security: • SSID Protection, 64bit-128bit WEP Encryption, 802.11i, AES and/or TKIP, • WPA2.0(with Radius Server or Pre- Shared Key), WPA, 802.1x Authentication, • IP/MAC Filtering (Allow, Deny), HTTPS(SSL) Encryption, Password Protection; • Operating Range: Max 10Km at LOS. <p>@Antenna:</p> <ul style="list-style-type: none"> • MIMO 2x2 Antenna Outdoor Type; • Receiver: • Frequency Range: 5150-5850Ghz; Beamwidth: Vertical 7° Horizontal 360°; • Gain: 12 dBi; Impedance: 50 Ω; Dimension: Φ14x490 mm; Weight: 85g. • Sender: • Frequency Range: 5150-5850Ghz; Type: Omni direction; | | | | | | | | |
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| | <ul style="list-style-type: none"> Gain: 6 dBi; Impedance: 50 Ω; Dimension: Φ15x150 mm; Weight: 22g. | | | | | | | | |
| LOT 7: ON-BOARD COMPUTERS AND DEVELOPMENT KITS | | | | | | | | | |
| 1 | <p>1 SET OF ONBOARD COMPUTERS FOR UAVS, either: 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 1x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; and 1x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD; and 1x Onboard Computer with OSDK expansion module at least 256GB SATA-SSD i7 processor or at least 128GB SATA-SSD TX2 processor; -OR- 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 2x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; and 2x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD; -OR- 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 4x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; -OR- 1x Cluster Carrier Board Standard or Advanced that has SoMs for GPU Cluster/ Server; and 5x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD; -OR- 3x SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD; and 3x SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD; -OR- 4x Onboard Computer with OSDK expansion module at least 256GB SATA-SSD i7 processor or at least 128GB SATA-SSD TX2 processor.</p> <p>In the box and features of Cluster Carrier Board</p> | 1 | | | | | | | |

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| <p>Standard or Advanced that has SoMs for GPU Cluster/ Server:</p> <ol style="list-style-type: none"> 1) 1 x Mate Carrier Board 2) 1 x Mate Cooling Fan 3) 1 x Mate Case 4) Standard has 1 Nano & 3 Xavier NX SoMs for GPU Cluster/ Server 5) Advanced has 4 Xavier NX SoMs for GPU Cluster/ Server 6) At least 1 Year Warranty <ul style="list-style-type: none"> • Standard - Can utilize the power of one Nano with 0.5 TFLOPS and three Xavier NX with 6 TFLOPS each; • Advanced - Can utilize the power of four Xavier NX with 6 TFLOPS each; • Pre-installed SoMs on Mate carrier board • All-in-one solution with a case, cooling fan, and SoMs in a compact form factor • Easy to build a GPU cluster • Onboard 5-port Gigabit switch for the SoMs to communicate with each other • One master node with three worker nodes with the ability to power on/off the worker nodes separately <p>In the box and features of SUB Mini PC-Black that has Xavier NX module, 256GB SATA SSD:</p> <ol style="list-style-type: none"> 1) 1 x Aluminum Frame Black 2) 1 x Xavier NX module 3) 1 x Carrier board 4) 1 x 19V/4.74A (MAX 90W) Power Adapter (if possible, with Power cable) 5) 2 x Antennas 6) At least 1 Year Warranty <ul style="list-style-type: none"> • Compact design for a mini-PC with an overall dimension of 205mm x 130mm x 65mm • Powered by the 6-core NVIDIA Carmel | | | | | | | | | | | |
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| | <p>ARM@v8.2 64-bit CPU 6MB L2 + 4MB L3</p> <ul style="list-style-type: none"> ● 384-core NVIDIA Volta™ GPU with 48 Tensor Cores provides 21 TOPS AI performance ● Rich peripherals including Dual gigabit ethernet ports, 4 USB 3.0 Type-A ports, and HDMI port ● Pre-installed Wifi module and antenna ● Pre-installed 256 GB (2.5-inch SATA) SSD ● Pre-installed OLED screen showing ports occupation and storage state, customization allowance ● Big passive heat dissipation with fully-sealing design ● Pre-installed NVIDIA official JetPack software <p>In the box and features of SUB Mini PC-Silver that has Xavier NX module, 128GB M.2 NVME SSD:</p> <ol style="list-style-type: none"> 1) 1 x Aluminum Frame 2) 1 x Xavier NX module 3) 1 x Heatsink 4) 1 x Carrier board 5) 1 x 19V/4.74A (MAX 90W) Power Adapter (if possible, with Power cable) 6) 2 x Antennas 7) At least 1 Year Warranty <ul style="list-style-type: none"> ● Compact design for a mini-PC with an overall dimension of 130mmx90mmx60mm ● Powered by the 6-core NVIDIA Carmel ARM@v8.2 64-bit CPU 6MB L2 + 4MB L3 ● 384-core NVIDIA Volta™ GPU with 48 Tensor Cores provides 21 TOPS AI performance ● Rich peripherals including Gigabit Ethernet port, 4 USB 3.1 Type-A ports, HDMI port and DP port ● Pre-installed Wifi module and antenna ● Pre-installed 128GB (M.2 key M) SSD ● Quiet cooling fan ● Whole oval aluminum frame ● Pre-installed NVIDIA official JetPack software | | | | | | | | |
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| <p>In the box and features of Onboard Computer with OSDK expansion module at least 256GB SATA-SSD i7 processor:</p> <p>1) 1 Manifold 2-C</p> <p>2) If possible, with 1 Power Distribution Unit, 1 USB 3.0 Hub, 1 AC Power Adapter, 1 Button I/O Extension Unit, 1 Assembly Bracket Set, 1 AC Power Cable, CAN, UART, Micro USB, I/O, OTG Cables, Power Cables, Manuals, and OSDK expansion module set: Bracket A (upper) x 2, Bracket B (left) x 1, Bracket C (right) x 1, Bracket D (reinforcing rib) x 3, Bracket connection block x 4, OSDK adapter plate module x 1, USB cable (with two type-A ports) x 1, XT30 power cable x 1, Wire clip x 3, Foot pad x 3, Hand screw x 5, Screw A (M1.6) x 15, Screw B (M2.0) x 5, Screw C (M3.0) x 5, Screw D (M1.6 step) x 3, Screwdriver kit x 1.</p> <p>3) If possible, at least 1 Year Warranty</p> <ul style="list-style-type: none"> • for robotics applications and real-time data analysis; • Model: MF2C or equivalent; • Weight: Approx. 205 g or equivalent; • Dimensions: 91 x 61 x 35 mm or equivalent; • Processor: Intel Core i7-8550U or equivalent; • Memory: 8GB 64 bit, DDR4 2400 MHz or equivalent; • eMMC: N/A; • SATA-SSD: 256 GB or equivalent; • Network: 1000Mbps Ethernet RJ-45 Port or equivalent; • USB: USB 3.0 Port (Type A) × 2, USB 3.0 Port (Micro-B) × 1 • I/O: UART Port 1; • Power: 5 - 60 W; • Power Supply: 15.2 - 27.0 V Power Port 2 Independent Power Supply; • Operating Temperature: -13 to 113 °F (-25 to 45 | | | | | | | | |
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| | <p>°C).</p> <ul style="list-style-type: none"> OSDK expansion module or equivalent As-assembled size: 200 x 120 x 40 mm. <p>In the box and features of Item Onboard Computer with OSDK expansion module at least 128GB SATA-SSD TX2 processor:</p> <ol style="list-style-type: none"> 1 Manifold 2-G If possible, with 1 Power Distribution Unit, 1 USB 3.0 Hub, 1 AC Power Adapter, 1 Button I/O Extension Unit, 1 Assembly Bracket Set, 2 Wi-Fi Antenna, 1 AC Power Cable, CAN, UART, Micro USB, I/O, OTG Cables, Power Cables, Manuals, and OSDK expansion module set: Bracket A (upper) x 2, Bracket B (left) x 1, Bracket C (right) x 1, Bracket D (reinforcing rib) x 3, Bracket connection block x 4, OSDK adapter plate module x 1, USB cable (with two type-A ports) x 1, XT30 power cable x 1, Wire clip x 3, Foot pad x 3, Hand screw x 5, Screw A (M1.6) x 15, Screw B (M2.0) x 5, Screw C (M3.0) x 5, Screw D (M1.6 step) x 3, Screwdriver kit x 1. If possible, at least 1 Year Warranty <ul style="list-style-type: none"> for AI, image processing, motion analysis, and object recognition; Model: MF2G or equivalent; Weight: Approx. 230 g; Dimensions: 91 x 61 x 35 mm or equivalent; Processor: NVIDIA TX2 or equivalent; Memory: 8GB 128 bit, DDR4 1333 MHz or equivalent; eMMC: 32 GB (approx. 28 GB available) or equivalent; SATA-SSD: 128 GB or equivalent; Network: 1000Mbps Ethernet RJ-45 Port, Wi-Fi, Transmission Standard: IEEE, 802.11a/b/g/n/ac, Max Transmission Speed: 866.7 Mbps, or equivalent Operating Frequency: 2.4000 - 2.4835 GHz, | | | | | | | | |
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| | <p>5.150 - 5.250 GHz*; 5.250 - 5.350 GHz* or equivalent, *limited to indoor use.</p> <ul style="list-style-type: none"> • EIRP: < 20 dBm (2.4000 - 2.4835 GHz), < 20 dBm (5.150 - 5.250 GHz), < 23 dBm (5.250 - 5.350 GHz) or equivalent; • USB: USB 3.0 Port (Type A) × 2, USB 3.0 Port (Micro-B) × 1; • I/O: CAN Port 2, UART Port 2, I2C Port 1, SPI Port 1; • Power: 3 - 25 W; Power Supply: 13.2 - 27.0 V Power Port 2 Independent Power Supply; • Operating Temperature: -13 to 113 °F (-25 to 45 °C). • OSDK expansion module or equivalent As-assembled size: 200 x 120 x 40 mm. | | | | | | | | |
| | LOT 8: UAV control / telemetry visualization devices (SMARTPHONE) | | | | | | | | |
| 1 | SMARTPHONE (iOS) - Details: Onetime cash out payment for 24-month postpaid plan of one (1) unit iOS smartphone with 256 GB storage capacity and unlimited calls & texts to other networks and landlines | | 1 | | | | | | |

Name: _____

Legal Capacity: _____

Signature: _____

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