

BIDDING DOCUMENT

2025



RWANDA AIRPORTS COMPANY

Title of the Tender: Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract)

Tender Reference Number: 023/G/2025-2026/NCB/RAC

Procurement Method: National Open Tender

Date of Issue: January 2026



Introduction

1. This Standard Bidding Document (SBD) document has been prepared by Rwanda airports company (RAC) for the procurement of goods and related services. The procedures and practices presented in this SBD have been developed to reflect the requirements of the RAC Procurement Procedures provided in Rwanda airports Company procurement manual. These procedures also reflect the best international procurement practices.
2. This SBD for the Procurement of Goods and Related services is suitable for use under both National and International open tender. It is also suitable for the National and International restricted tender.
3. The SBD is comprised of three parts, namely; the Bidding procedures, Supply requirements and the Contract.
4. Before using this SBD, all RAC employees not limited to procurement unit staff, Internal tender committee members should be familiar with RAC procurement manual which has been prepared to provide guidance in the conduct of the procurement process.
5. Rwanda Airports Company welcomes any comments from the users of this SBD which will assist in continuous improving of this document.

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PART 1 – BIDDING PROCEDURES

Section I. Instructions to Bidders (ITB)

This Section provides information to help Bidders prepare their bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of Contracts. Section I contains provisions that are to be used without modification.

Section II. Bid Data Sheet (BDS)

This Section includes provisions that are specific to each procurement and that supplement Section I, Instructions to Bidders.

Section III. Evaluation and Qualification Criteria

This Section specifies the criteria to be used to determine the lowest evaluated bid, and the Bidder's qualification requirements to perform the contract.

Section IV. Bidding Forms

This Section includes the forms to be submitted with the Bid namely: the bid form, Price Schedules, Bid Security, the Manufacturer's Authorization, etc.

PART 2 – SUPPLY REQUIREMENTS

Section V. Supply Requirements

This Section includes the List of Goods and Related Services, the Delivery and Completion Schedules, the Technical Specifications and the Drawings that describe the Goods and Related Services to be procured.

PART 3 – CONTRACT

Section VI. General Conditions of Contract (GCC)

This Section includes the general clauses to be applied in all contracts. The text of the clauses in this Section shall not be modified.

Section VII. Special Conditions of Contract (SCC)

This Section includes clauses specific to each contract that modify or supplement Section VI, General Conditions of Contract.

Section VIII: Contract Forms

This Section includes the form for the Agreement, which, once completed, incorporates corrections or modifications to the accepted bid that are permitted under the Instructions to Bidders, the General Conditions of Contract, and the Special Conditions of Contract.

The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.



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PART 1 – Bidding Procedures

Tender Notice

Title of the Tender: Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract)

Tender Reference Number: 023/G/2025-2026/NCB/RAC

Source of Funds: RAC Ordinary Budget

Rwanda Airports company (hereinafter called “Client”) intends to apply a portion of the funds to eligible payments under the contract for which this Bidding Document is issued. Rwanda Airports Company invites eligible bidders to submit bids for the Supply of measuring instruments and equipment for use in testing of RAC electrical installations and power equipment as indicated in detail in the statement of Requirements.

Tender Documents in English may be obtained by interested candidates from Kigali International Airport (RAC offices) upon presentation of the proof of payment of a non-refundable fee of seventeen thousand one hundred (17,100Frw) Rwandan Francs to be deposited at Bank of Kigali on Account N°00040-06948300-35 (RWF) opened in the name of Rwanda Airports Company. Alternatively, the tender document may be downloaded from the RAC website (www.rac.co.rw) and attach proof of its payment in the bid.

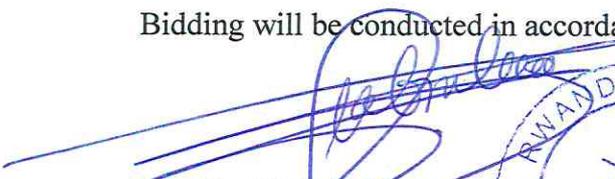
All bids must be accompanied by original Bid Security of Four million five hundred Thousand francs (4,500,000Frw) or its equivalency on a freely convertible currency from a recognized bank or an insurance company operating in Rwanda which shall be valid until 30 days after the bids validity

Enquiries regarding this tender may be addressed to Managing Director of Rwanda Airports Company, Po Box 1171 Kigali-Rwanda , Tel: (+250) 252585555; or by writing to Email: info@rac.co.rw; ikamarade@rac.co.rw copy to frugema@rac.co.rw

Well printed bids, properly bound and presented in four copies, one of which is the original must be delivered to RAC information desk at Kigali International Airport/terminal building ground Floor not later than **29th January 2026 at 10:00 Am local time**. Late bids will be rejected and returned unopened.

Bids will be opened in the presence of bidders or their representatives who choose to attend on the same day **29th January 2026 at 10:30 Am local time**. The Outer envelope should clearly indicate the tender name and title

Bidding will be conducted in accordance with RAC Procurement manual 2025


Charles HABONIMANA
Managing Director



Section I. Instructions to Bidders

A. General

1. Scope of Bid

- 1.1 Rwanda airports Company issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification number of this (*International or National*) Competitive Bidding (ICB/NCB) procurement are **specified in the BDS**. The name, identification, and number of lots are **provided in the BDS**.
- 1.2 Throughout this Bidding Document:
- (a) “Client/Procuring Entity” means Rwanda airports company
 - (b) “Contract” means the agreement between the Procuring Entity and the successful bidder.
 - (c) “Data Sheet” means such part of the Instructions to Bidders used to reflect specific assignment conditions.
 - (d) “Day” means calendar day.
 - (e) “Instructions to Bidders” (Sections I and II of the Bidding Document) means the document which provides Bidders with all information needed to prepare their Bids.
 - (f) “SBD” means the Standard Bidding Document, which must be used by the Client/procuring entity as a guide for the preparation of the Bidding Document.
 - (g) “Sub-Contractor” means any person or entity with whom the Bidder subcontracts any part of the Supplies.
 - (h) the “lowest – evaluated bid” means a bid which is substantially responsive and offers the lowest price.

2. Source of Funds

RAC (hereinafter called “Client”) **specified in the BDS** has received funds (hereinafter called “funds”) **in the source of funds or financing agency specified in the BDS** toward the cost of the project **named in the BDS**. The Client intends to apply a portion of the funds to the payments under the contract for which these Bidding Documents are issued.

3. Fraud and Corruption

- a. Rwanda airports procurement policy requires that all bidders, suppliers, and contractors, their subcontractors and RAC representatives, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, Rwanda airports company:

defines, for the purposes of this provision, the terms set forth below as follows:



- (i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence RAC staff connected to tender proceedings at any stage.
- (ii) “fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads or attempts to mislead RAC staff who has a connection to a given tender to obtain a financial or other benefit or to avoid an obligation
- (iii) “collusive practice” means arrangement between two or more parties designed to achieve an improper purpose, including influencing another party or RAC staff
- (iv) “coercive practice” means any act intending to harm or threaten to harm directly or indirectly persons, their works or their property to influence their participation in the procurement process or affect its performance
- (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede RAC investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation;

RAC will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;

RAC will sanction a firm or individual, including declaring ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in executing, a contract; and

4. Eligible Bidders

4.1 Eligible bidders at RAC are those who deal in commercial activities and registered as businesses or those holding professional licenses or exercising any liberal profession.

4.2 Participation is open on equal conditions to all companies or persons fulfilling the requirements herein except where:

- (i) The bidder is currently blacklisted by either RAC or any public institution
- (ii) The bidder has been prosecuted and found guilty in court, including any appeals process on corruption charges
- (iii) The bidder is bankrupt
- (iv) The Bidder has been excluded in accordance with regional or international conventions.

This criterion shall also apply to the proposed subcontractors or suppliers for any part of the Contract including Related Services.



4.3 A Bidder shall not have a conflict of interest. All bidders found to have conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this bidding process, if they:

- (a) are or have been associated in the past, with a firm or any of its affiliates, for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents; or
- (b) submit more than one bid in this bidding process, except for alternative offers permitted under ITB Clause 13. However, this does not limit the participation of subcontractors in more than one bid;
- (c) other levels for the conflict of interest are indicated in RAC procurement manual

4.4 A Bidder that is under a declaration of ineligibility by RAC in accordance with ITB Clause 3, at the date of contract award, shall be disqualified. The list of debarred firms is available at the website specified in the **BDS**.

4.5 Government-owned enterprises shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under commercial law, and (iii) are not a dependent agency of the client

4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to RAC, as RAC shall reasonably request.

5 Eligible Goods and Related Services

- 5.1 All the Goods and Related Services to be supplied under the Contract may have their origin in any country.
- 5.2 For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, installation, training, and initial maintenance.
- 5.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. Contents of Bidding Documents

6 Sections of Bidding Documents

- 6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 8. Each page of the bidding document shall bear RAC’s stamp.

PART 1 Bidding Procedures

- Section I. Instructions to Bidders (ITB)



- Section II. Bidding Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria
- Section IV. Bidding Forms

PART 2 Supply Requirements

- Section V. Schedule of Requirements

PART 3 Contract

- Section VI. General Conditions of Contract (GCC)
- Section VII. Special Conditions of Contract (SCC)
- Section VIII. Contract Forms

- 6.2 The Invitation for Bids issued by RAC is part of the Bidding Documents.
- 6.3 RAC is not responsible for the incompleteness of the Bidding Documents and their addendum, if they were not obtained directly from the RAC or from its website
- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.
- 6.5 Administrative documents required from bidders shall refer to the Laws in force in the bidders' home country.

7 Clarification of Bidding Documents

Any bidder may request in writing to RAC, at its address **mentioned in the BDS**, for clarifications on the bidding document. RAC shall respond to any request for clarification within seven (7) days from the day of its reception. RAC shall communicate and forward, without disclosing the source of the request for clarification, to all bidders the copies of the clarifications that were given in response to the request by RAC. Should RAC deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8 and ITB Sub-Clause 24.3.

8 Modification to the Bidding Documents

- 8.1 Before the deadline for submission of bids, on its own initiative or in response to bidders' concerns, RAC may modify the bidding document by issuing addenda.
- 8.2 Any addendum thus issued shall be part of the bidding document and shall be communicated and forwarded in writing to all bidders who had bought the bidding document and shall be made public through the communication channel that RAC used to advertise the initial tender notice. Bidders who were given copies of addendum after they had bought the bidding document shall acknowledge receipt of each addendum in writing to RAC.



- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the RAC may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 24.3

C. Preparation of Bids

9 Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the RAC shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. RAC shall not be liable for any consequences related to the rejection of all bids or the cancellation of the procurement proceedings due to the reasons provided for by RAC procurement manual, unless it is proved that it was a consequence of its irresponsible conduct.

However, RAC may charge a fee for obtaining copies of the bidding documents determined by RAC procurement manual. The cost of the bidding document shall only be equivalent to the amount of money required to cover costs of its reproduction and its distribution

10 Language of Bid

The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and RAC, shall be written in the language **specified in the BDS**. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language **specified in the BDS**, in which case, for purposes of interpretation of the Bid, such translation shall govern.

11 Documents Comprising the Bid

11.1 The Bid shall comprise the following:

- a) Bid submission form and Price schedules well printed and properly organized.
- b) Copy of Trading License
- c) Original or a certified copy of the Social Security certificate
- d) Original or a certified copy of the tax clearance certificate
- e) Bid security (if any)
- f) Declaration of commitment (if applicable)
- g) Detailed description of the essential technical and performance characteristics of the goods to be supplied establishing conformity to technical specifications provided
- h) Proof of purchase of tender document
- i) Appropriate samples /catalogues (if required)
- j) A certificate of origin of the supplies and the manufacturer's authorisation
- k) References of similar tenders executed (if required)
- l) Written confirmation authorizing the signatory of the Bid to commit the Bidder

Any other information that RAC considers important to the award process as it may be indicated in the BDS

11.2 In case of a Joint Venture (JV), each member of the association shall provide the documents stated in 11.1(b), (c), (d), (f) and (j).



12 Bid Submission Form and Price Schedules

- 12.1 The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 12.2 The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms

13 Alternative Bids

Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

14 Bid Prices and Discounts

- 14.1 The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules shall conform to the requirements specified below.
- 14.2 All lots and items must be listed and priced separately in the Price Schedules.
- 14.3 The price to be quoted in the Bid Submission Form shall be the total price of the bid, excluding any discounts offered.
- 14.4 The Bidder shall quote any unconditional discounts and indicate the method for their application in the Bid Submission Form.
- 14.5 The INCOTERMS to be used shall be governed by the rules prescribed in the current edition, published by The International Chamber of Commerce, as specified in the **BDS**.
- 14.6 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by RAC. This shall not in any way limit the RAC's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any country. Similarly, the Bidder may obtain insurance services from any country. Prices shall be entered in the following manner:
 - (a) For Goods manufactured in Rwanda:
 - (i) the price of the Goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any Rwandan sales tax and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
 - (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) specified in the **BDS**.
 - (b) For Goods manufactured outside Rwanda, to be imported:



- (i) the price of the Goods, quoted CIP named place of destination, in Rwanda, or CIF named port of destination, as specified in the **BDS**;
- (ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the **BDS**;
- (iii) in addition to the CIP prices specified in (b)(i) above, the price of the Goods to be imported may be quoted FCA (named place of destination) or CPT (named place of destination), if so specified in the **BDS**;

(c) For Goods manufactured outside Rwanda, already imported:

[For previously imported Goods, the quoted price shall be distinguishable from the original import value of these Goods declared to customs and shall include any rebate or mark-up of the local agent or representative and all local costs except import duties and taxes, which have been and/or have to be paid by RAC For clarity the bidders are asked to quote the price including import duties, and additionally to provide the import duties and the price net of import duties which is the difference of those values.]

- (i) the price of the Goods, including the original import value of the Goods; plus, any mark-up (or rebate); plus, any other related local cost, and custom duties and other import taxes already paid or to be paid on the Goods already imported.
 - (ii) the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;
 - (iii) the price of the Goods, obtained as the difference between (i) and (ii) above;
 - (iv) any Rwandan sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
 - (v) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the **BDS**.
- (d) for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
- (i) the price of each item comprising the Related Services (inclusive of any applicable taxes).

14.7 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in the **BDS**. A Bid submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected, pursuant to ITB Clause 30. However, if in accordance with the **BDS**, prices quoted by the Bidder shall be subject to



adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 14.8 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the **BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction in accordance with ITB Sub-Clause 14.4 provided the bids for all lots are submitted and opened at the same time.

15 Currencies of Bid

- 15.1 The Bidder shall quote in Rwandan Francs the portion of the bid price that corresponds to expenditures incurred in Rwanda Francs, unless otherwise specified in the **BDS**.
- 15.2 The Bidder may express the bid price in any freely convertible currency. If the Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly but shall use no more than two currencies in addition to the Rwanda Francs.
- 15.3 The rates of exchange to be used by the Bidder in arriving at the local currency equivalent and the percentages mentioned in para. 15.1 above shall be the selling rates for similar transactions established by Central Bank or any other authority **specified in the BDS** prevailing on the deadline for submission of bids or on any other date specified in the bidding document. These exchange rates shall apply for all payments so that no exchange risk shall be borne by the Bidder. If the Bidder uses other rates of exchange, the provisions of ITB Clause 26.1 shall apply; in any case, payments shall be computed using the rates quoted in the Bid.

16 Documents Establishing the Conformity of the Goods and Related Services

- 16.1 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section V, Schedule of Requirements.
- 16.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.
- 16.3 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by RAC.
- 16.4 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by RAC in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to RAC's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Schedule of Requirements.



17 Documents Establishing the Qualifications of the Bidder

The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to RAC's satisfaction:

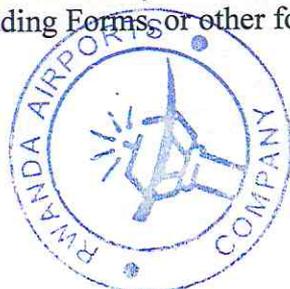
- (a) that, if **required in the BDS**, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Rwanda;
- (b) that, if **required in the BDS**, in case of a Bidder not doing business within Rwanda, the Bidder is or will be (if awarded the contract) represented by an Agent in Rwanda equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (c) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

18 Bids Validity Period

- 18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the RAC. A bid valid for a shorter period shall be rejected by RAC as non-responsive.
- 18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the RAC may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 19, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security.

21 Bid Security

- 21.2 The Bidder shall furnish as part of its bid, a Bid Security, if required, as **specified in the BDS**.
- 21.3 The Bid Security shall be in the amount specified in the BDS and denominated in Rwanda Francs or a freely convertible currency, and shall:
 - (a) at the bidder's option, be in the form of either a guarantee from a banking institution or another authorised financial institution;
 - (b) be issued by a reputable institution selected by the bidder and located in any country. If the financial institution, other than a bank, issuing the guarantee is located outside Rwanda, it shall have a correspondent financial institution located in Rwanda to make it enforceable.
 - (c) be substantially in accordance with one of the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by RAC prior to bid submission;



- (d) be payable promptly upon written demand by the RAC in case the conditions listed in ITB Clause 19.5 are invoked;
 - (e) be submitted in its original form; copies will not be accepted;
 - (f) remain valid for a period of 28 days beyond the validity period of the bids, as extended, if applicable, in accordance with ITB Clause 18.2;
- 21.4 If a Bid Security is required in accordance with ITB Sub-Clause 19.1, any bid not accompanied by a substantially responsive Bid Security in accordance with ITB Sub-Clause 19.1, shall be rejected by the RAC as non-responsive.
- 21.5 A bid security issued by a local institution to guarantee a bid that was sent by a foreign bidder from his/her country before the bid submission deadline, may be presented on the opening date and shall be considered as part of that bid
- 21.6 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 42.
- 21.7 The Bid Security may be forfeited executed:
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 18.2; or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 41;
 - (ii) furnish a Performance Security in accordance with ITB Clause 42;
 - (c) if the successful Bidder refuses corrections of its financial offer.
- 21.8 The Bid Security of a *Joint Venture (JV)* must be in the name of the *JV* that submits the bid.
- 21.9 If a bid security is **not required in the BDS**, and
- 21.10 if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 18.2, or
- 21.11 if the successful Bidder fails to: sign the Contract in accordance with ITB 41; or furnish a performance security in accordance with ITB 42;
- RAC may declare the Bidder blacklisted for a period of time pursuant to RAC procurement manual

19 Format and Signing of Bid

- 19.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it "**ORIGINAL**." In addition, the Bidder shall submit copies of the bid, in the number specified in the **BDS** and clearly mark them "**COPY**." In the event of any discrepancy between the original and the copies, the original shall prevail.



19.2 The original and all copies of the bid shall be typed in indelible ink, stamped and signed by a person duly authorized to sign on behalf of the Bidder.

19.3 Any interlineation, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the Bid.

D. Submission and Opening of Bids

20 Submission, Sealing and Marking of Bids

20.1 Bidders may always submit their bids by mail or by hand.

Bidders submitting bids by mail or by hand, shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB Clause 13, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB sub-Clauses 21.2 and 21.3.

20.2 The envelopes containing the original and the copies shall be enclosed in one single envelope:

- (a) The inner envelopes shall bear the name and address of the Bidder;
- (b) The outer envelopes must be anonymous and be addressed to RAC in accordance with ITB Sub-Clause 22.1; and
- (c) The outer envelopes must bear the specific identification of this bidding process indicated in ITB 1.1 and any additional identification marks as **specified in the BDS**; and
- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 25.1

20.3 If all envelopes are not sealed and marked as required, the RAC will assume no responsibility for the misplacement or premature opening of the bid.

21 Deadline for Submission of Bids

21.1 Bids must be received by RAC at the address and no later than the date and time **specified in the BDS**.

21.2 RAC may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of RAC and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

22 Late Bids

RAC shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 22. Any bid received by RAC after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.



23 Withdrawal, Substitution, and Modification of Bids

- 23.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 21, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB Sub-Clause 20.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
- (a) submitted in accordance with ITB Clauses 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION;" and
 - (b) received by RAC prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 22.
- 23.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 24.1 shall be returned unopened to the Bidders.
- 23.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

24 Bid Opening

- 24.1 RAC shall conduct the bid opening in public at the address, date and time **specified in the BDS**.
- 24.2 Only envelopes that are opened and read out at Bid opening shall be considered further.
- 24.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Prices, including any discounts and alternative offers; the presence of a Bid Security or Bid-Securing Declaration, if required; and any other details as RAC may consider appropriate. Only discounts and alternative offers read out at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for late bids, in accordance with ITB Sub-Clause 23.
- 24.4 RAC shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts, and alternative offers if they were permitted; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the attendance sheet. A copy of the record shall be distributed to all Bidders who submitted bids in time, when one or more bidders request for it.

E. Evaluation and Comparison of Bids

25 Confidentiality

- 25.1 Information relating to the examination, evaluation, comparison, and post-qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.



- 25.2 Any effort by a Bidder to influence RAC in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.
- 25.3 Notwithstanding ITB Sub-Clause 26.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact RAC on any matter related to the bidding process, it should do so in writing.

26 Clarification of Bids

To assist in the examination, evaluation, comparison and post-qualification of the bids, the RAC may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by RAC shall not be considered. RAC's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by RAC in the Evaluation of the bids, in accordance with ITB Clause 29. At his/her own initiative, a bidder may provide clarifications on his/her bid but which shall not change its price or substance.

27 Responsiveness of Bids

- 27.1 RAC's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 27.2A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- 27.2.1 affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - 27.2.2 limits in any substantial way, inconsistent with the Bidding Documents, RAC's rights or the Bidder's obligations under the Contract; or
 - 27.2.3 if rectified would unfairly affect the competitive position of other bidders presenting substantially responsive bids.
- 27.3 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected RAC and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

28 Non conformities, Errors, and Omissions

- 28.1 Provided that a Bid is substantially responsive, RAC may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.
- 28.2 Provided that a bid is substantially responsive, RAC may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 28.3 Provided that the Bid is substantially responsive, RAC shall correct arithmetical errors on the following basis:



- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of RAC there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 28.4 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected.

29 Preliminary Examination of Bids

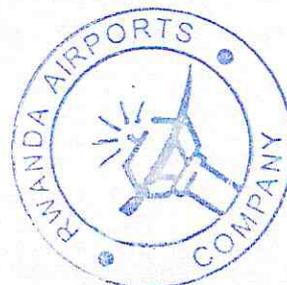
- 29.1 RAC shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.
- 29.2 RAC shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.
- (a) Bid Submission Form, in accordance with ITB Sub-Clause 12.1;
 - (b) Price Schedules, in accordance with ITB Sub-Clause 12.2;
 - (c) Bid Security, in accordance with ITB Clause 19, if applicable.

30 Examination of Terms and Conditions; Technical Evaluation

RAC shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.

RAC shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 16 and 17, to confirm that all requirements specified in Section 6, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

If, after the examination of the terms and conditions and the technical evaluation, RAC determines that the Bid is not substantially responsive in accordance with ITB Clause 28, it shall reject the Bid.



31 Conversion to Single Currency

For evaluation and comparison purposes, RAC shall convert all bid prices expressed in amounts in various currencies into an amount in a single currency **specified in the BDS**, using the selling exchange rates established by the source and on the date **specified in the BDS**.

32 Domestic Preference

Domestic preference shall not be a factor in bid evaluation, unless otherwise **specified in the BDS**.

33 Evaluation of Bids

- 33.1 RAC shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- 33.2 To evaluate a Bid, RAC shall only use all the factors, methodologies and criteria defined in ITB Clause 34. No other criteria or methodology shall be permitted.
- 33.3 To evaluate a Bid, RAC shall consider the following:
- (a) evaluation will be done for Items or Lots, as **specified in the BDS**; and the Bid Price as quoted in accordance with clause 12;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 29.3;
 - (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.4;
 - (d) adjustments due to the application of the evaluation criteria **specified in the BDS** from amongst those set out in Section III, Evaluation and Qualification Criteria;
 - (e) adjustments due to the application of a margin of preference, in accordance with ITB Clause 33 if applicable.
- 33.4 RAC's evaluation of a bid will exclude and not take into account:
- (a) In the case of Goods manufactured in Rwanda, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) in the case of Goods manufactured outside Rwanda, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
 - (c) any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 33.5 RAC's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids,



unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, methodologies and criteria to be used shall be as specified in ITB 36.3 (d).

- 33.6 If so **specified in the BDS**, this Bidding Document shall allow Bidders to quote separate prices for one or more lots, and shall allow RAC to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations is specified in Section III, Evaluation and Qualification Criteria.

34 Comparison of Bids

RAC shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 34.

35 Post-qualification of the Bidder

- 35.1 RAC shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily.
- 35.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 17.
- 35.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event RAC shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

36 RAC's Right to Accept Any Bid, and to Reject Any or All Bids

RAC reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract signature by both parties, without thereby incurring any liability to Bidders.

F. Award of Contract

37 Award Criteria

RAC shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

38 RAC's Right to Vary Quantities at Time of Award

At the time the Contract is awarded, RAC reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VI, Schedule of Requirements, provided this does not exceed the percentages **specified in the BDS**, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.



39 Notification of Award

- 39.1 Before the expiry of the bid validity period, RAC shall simultaneously notify the successful and the unsuccessful bidders of the provisional outcome of the bids evaluation.
- 39.2 The notification shall specify that un-successful bidders they have five (5) days in which to lodge a protest, if any, before a contract is signed with the successful bidder.
- 39.3 The successful bidder may be required to provide a performance security in accordance with RAC procurement manual. Such a security shall not exceed 10 % of the contract Price;
- 39.4 Upon signature of a contract, un-successful bidders have the right to discharge their bid security, pursuant to ITB Clause 19.4.
- 39.5 Unless formal Contract is prepared and executed, the notification of award shall not constitute a binding Contract.
- 39.6 The written contract shall base on the bidding document, the successful bid, any clarification received and accepted, and any correction made and negotiations agreement between RAC and the successful bidder.

40 Signing of Contract

- 40.1 Promptly after notification, RAC shall send the successful Bidder the Agreement and the Special Conditions of Contract.
- 40.2 Within 5 (five) and 7 (seven) days for National Competitive Bidding and International Competitive Bidding respectively, after receipt of the of a performance guarantee where required, the successful Bidder shall sign the contract.

42. Performance Security

- 42.1 Within 7 and 15 days for National Competitive Bidding and International Competitive Bidding respectively, after receipt of notification of award from RAC, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section VIII Contract forms, or another Form acceptable RAC.
- 42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event, RAC may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined RAC to be qualified to perform the Contract satisfactorily.



Section II. Instructions to bidders, Bid Data Sheet (BDS)

ITB Clause Reference	A. General
ITB 1.1	The Procuring Entity is: RWANDA AIRPORTS COMPANY (RAC)
ITB 1.1	The name of the tender: Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract) Identification number of the tender: 023/G/2025-2026/NCB/RAC The lots comprising this tender: one lot
ITB 2.	The Source of funds: RWANDA AIRPORTS COMPANY (RAC)
ITB 2.	The name of the Project is: Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract)
ITB 4.3	A list of firms debarred from participating in Rwandan tenders is available on www.rppa.gov.rw , and www.rac.co.rw
	B. Contents of Bidding Documents
ITB 7.1	For <u>Clarification of bid purposes</u> only, the RAC's address is: Attention: RWANDA AIRPORTS COMPANY/Procurement office Address: KIGALI INTERNATIONAL AIRPORT Floor: <i>2nd floor</i> City: KIGALI-RWANDA Telephone: +250 252585555 Electronic mail address: info@rac.co.rw , ikamarade@rac.co.rw copy to ; frugema@rac.co.rw
	C. Preparation of Bids
ITB 10	The language of the bid is: <i>English.</i>



ITB 11.1	<p>The Bid shall comprise the following:</p> <ol style="list-style-type: none"> 1) Bid submission form and Price schedules well printed and properly organized 2) Copy of certificate of incorporation having the supply of IT equipment and related services as its main activities 3) Copy of the Social Security certificate 4) Copy of the tax clearance certificate 5) Detailed description of the essential technical and performance characteristics of the goods to be supplied establishing conformity to technical specifications provided 8) Proof of purchase of tender document 9) Written confirmation authorizing the signatory of the Bid to commit the Bidder 10) At least two (2) good completion certificates for similar 11) Original Bid Security of Four million five hundred Thousand francs (4,500,000Frw) 12) Proof of good standing 13) At least five (5) years of proven experience in the IT equipment maintenance field. 14) Promise line of credit equivalent to 80,000,000 Frw from a bank and must be specific to the tender it is submitted for
ITB 13	Alternative Bids shall not be considered.
ITB 14.5	The INCOTERMS edition is: <i>DDP 2020 version</i>
ITB 14.6 (b) (i) and (c) (iii)	Place of Destination: <i>RAC Head offices at Kigali international Airport</i>
ITB 14.6 (a) (iii);(b)(ii) and (c)(v)	“Final destination (Project Site)”: <i>RAC Head offices at Kigali international Airport</i>
ITB 14.6 (b) (iii)	In addition to the CIP price specified in ITB 14.6 (b)(i), the price of the Goods manufactured outside Rwanda shall be quoted: <i>DDP price</i>
ITB 14.7	The prices quoted by the Bidder <i>shall not</i> be adjustable. If prices shall be adjustable, the methodology is specified in Section III Evaluation and Qualification Criteria. N/A
ITB 14.8	<p>Prices quoted for each lot shall correspond at least to <i>100%</i> of the items specified for in the lot.</p> <p>Prices quoted for each item of a lot shall correspond at least to <i>100</i> percent of the quantities specified for this item of a lot.</p>



ITB 15.1	The Bidder <i>is</i> required to quote in the Rwanda Francs the portion of the bid price that corresponds to expenditures incurred in that currency.
ITB 15.3	The authority to establish the exchange rate shall be the “ <i>National Bank of Rwanda</i> ”
ITB 16.3	Period of time the within which Goods are expected to be functioning (for the purpose of spare parts): 12 months warranty
ITB 17 (a)	Manufacturer’s authorization is: Not Required
ITB 17 (b)	After sale services is: Training for users on each supplied equipment/instrument, if required
ITB 18.1	The bid validity period shall be 120 days .
ITB 19.1	Bid shall include a Bid Security (issued by bank or an insurance company) included in Section IV Bidding Forms .
ITB 19.2	The amount of the Bid Security shall be: 4,500,000Frw
ITB 20.1	In addition to the original of the bid, the number of copies is: Three (3) copies
	D. Submission and Opening of Bids
ITB 21.2 (c)	The inner and outer envelopes shall bear the following additional identification marks: Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract) <i>Tender number 023/G/2025-2026/NCB/RAC</i>
ITB 22.1	For bid submission purposes, RAC’s address is: Attention: <i>MANAGING DIRECTOR RWANDA AIRPORTS COMPANY/e</i> Address: <i>Kigali international Airport.</i> Floor-Room number: <i>RAC Front desk (Reception) ground floor.</i> City: <i>KIGALI</i> Country: <i>RWANDA</i> The deadline for the submission of bids is: Date: <u>29th January 2026</u> Time: 10:00 Am local time/8:00 GMT
ITB 25.1	The bid opening shall take place at: Street Address: KIGALI INTERNATIONAL AIRPORT (RAC Offices) Floor/ Room number: 2nd floor, Passenger terminal



	<p>City: KIGALI</p> <p>Country: RWANDA</p> <p>Date: 29th January 2026</p> <p>Time: 10:30 Am local time/8:30 GMT</p>
	E. Evaluation and Comparison of Bids
ITB 32.	<p>Bid prices expressed in different currencies shall be converted in Rwanda Francs (RWF)</p> <p>The source of exchange rate shall be the National Bank of Rwanda</p> <p>The date for the exchange rate shall be the bids opening date</p>
ITB 33	<p>Domestic preference <i>shall</i> be a bid evaluation factor. <i>The methodology for calculating the margin of preference and the criteria for its application shall be as specified in Section III, Evaluation and Qualification Criteria.</i></p>
ITB 34.3(a)	<p>Evaluation will be done for <i>Lots</i></p> <p>Bids will be evaluated lot by lot. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. An item not listed in the Price Schedule shall be assumed to be not included in the bid, and provided that the bid is substantially responsive, the average price of the item quoted by substantially responsive bidders will be added to the bid price and the equivalent total cost of the bid so determined will be used for price comparison.</p>
ITB 34.3(d)	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: <i>[refer to Schedule III, Evaluation and Qualification Criteria; insert complementary details if necessary]</i></p> <p>(a) Deviation in Delivery schedule: <i>No</i></p> <p>(b) Deviation in payment schedule: <i>No</i></p> <p>(c) The cost of major replacement components, mandatory spare parts, and service: <i>No.</i></p> <p>(d) the availability in Rwanda of spare parts and after-sale services for the equipment offered in the bid: <i>No</i></p> <p>(e) The projected operating and maintenance costs during the life of the equipment: <i>No</i></p>
ITB 34.6	<p>Bidders <i>shall not</i> be allowed to quote separate prices for one or more items.</p>
	F. Award of Contract
ITB 39.	<p>The maximum percentage by which quantities may be increased or decreased is 30% of the initial quantities</p>



Section III. Evaluation and Qualification Criteria

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1. Domestic Preference (ITB 33)

If the Bidding Data Sheet so specifies, the RAC will grant a margin of preference to goods manufactured in Rwanda for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs.

Bids will be classified in one of three groups, as follows:

- (a) **Group A:** Bids offering goods manufactured in Rwanda, for which (i) labor, raw materials, and components from within Rwanda account for more than thirty (30) percent of the EXW price; and (ii) the production facility in which they will be manufactured or assembled has been engaged in manufacturing or assembling such goods at least since the date of bid submission.
- (b) **Group B:** All other bids offering Goods manufactured in Rwanda.
- (c) **Group C:** Bids offering Goods manufactured outside Rwanda that have been already imported or that will be imported.

To facilitate this classification by RAC, the Bidder shall complete whichever version of the Price Schedule furnished in the Bidding Documents is appropriate provided, however, that the completion of an incorrect version of the Price Schedule by the Bidder shall not result in rejection of its bid, but merely in RAC's reclassification of the bid into its appropriate bid group.

RAC will first review the bids to confirm the appropriateness of, and to modify as necessary, the bid group classification to which bidders assigned their bids in preparing their Bid Forms and Price Schedules.

All evaluated bids in each group will then be compared to determine the lowest evaluated bid of each group. Such lowest evaluated bids shall be compared with each other and if as a result of this comparison a bid from Group A or Group B is the lowest, it shall be selected for the award.

If, as a result of the preceding comparison, the lowest evaluated bid is from Group C, the lowest evaluated bid from Group C bids will then be further compared with the lowest evaluated bid from Group A, after adding to the evaluated bid price of goods offered in the bid for Group C, for the purpose of further comparison only an amount equal to ten (10) percent of the CIP (named place of destination) bid price. The lowest-evaluated bid determined from this last comparison shall be selected for the award."

2. Evaluation Criteria (ITB 34.3 (d))

RAC's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 14.6, one or more of the following factors as specified in ITB Sub-Clause 34.3(d) and in BDS referring to ITB 34.3(d), using the following criteria and methodologies.



-
- (a) Delivery schedule. (as per INCOTERMS specified in the BDS)
 - (b) Deviation in payment schedule:
 - (i) *The SCC stipulates the payment schedule specified by the Procuring Entity.*
 - (c) Cost of major replacement components, mandatory spare parts, and service.
 - (i) *N/A*
 - (d) Availability in Rwanda of spare parts and after sale services for equipment offered in the bid.
NA
 - (e) Projected operating and maintenance costs.
NA
 - (f) Performance and productivity of the equipment.
 - (i) *NA*

3. Multiple Contracts (ITB 34.6)

RAC shall award multiple contracts to the Bidder that offers the lowest evaluated combination of bids (one contract per bid) and meets the post-qualification criteria (this Section III, Sub-Section ITB 36.2 Post-Qualification Requirements)

RAC shall:

- (a) evaluate only lots or contracts that include at least the percentages of items per lot and quantity per item as specified in ITB Sub Clause 14.8
- (b) take into account:
 - the lowest-evaluated bid for each lot and
 - (ii) the price reduction per lot and the methodology for its application as offered by the Bidder in its bid”

4. Post-qualification Requirements (ITB 36.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 35.1, RAC shall carry out the post-qualification of the Bidder in accordance with ITB Clause 36, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder’s qualifications.

- (a) Financial Capability



The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): *[list the requirement(s)]*

(b) Experience and Technical Capacity

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s): *[list the requirement(s)]*

(c) The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: *[list the requirement(s)]*



Section IV. Bidding Forms

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Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*
Tender No.: *[insert number of tender notice]*

Page _____ of _____ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. In case of Joint Venture (JV), legal name of each party: <i>[insert legal name of each party in JV]</i>
3. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
4. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> 1.ID/Passport Number <i>[Insert the ID or Passport Number]</i> 2. Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV certified agreement, in accordance with ITB Sub-Clause 4.1. <input type="checkbox"/> In case of government owned companies from Rwanda, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 4.5.



Joint Venture (JV) Partner Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below].

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number of tender notice]*

Page _____ of _____ pages

1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>
2. JV's Party legal name: <i>[insert JV's Party legal name]</i>
3. JV's Party Country of Registration: <i>[insert JV's Party country of registration]</i>
4. JV's Party Year of Registration: <i>[insert JV's Party year of registration]</i>
5. JV's Party Legal Address in Country of Registration: <i>[insert JV's Party legal address in country of registration]</i>
6. JV's Party Authorized Representative Information Name: <i>[insert name of JV's Party authorized representative]</i> ID/Passport Number <i>[Insert ID or Passport Number]</i> Address: <i>[insert address of JV's Party authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Party authorized representative]</i> Email Address: <i>[insert email address of JV's Party authorized representative]</i>
7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2, above, in accordance with ITB Sub-Clauses 4.1 and 4.2. <input type="checkbox"/> In case of government owned companies from Rwanda, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 4.5.



Bid Submission Form

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number of tender notice]*

Or Invitation for Bid No.: *[insert No of IFB]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of RAC]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: _____ *[insert the number and issuing date of each Addenda]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services _____ *[insert a brief description of the Goods and Related Services]*;
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: _____ *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies]. (Indicate if your total bid price is inclusive of all taxes or not) in accordance with tender document requirements*
- (d) The discounts offered and the methodology for their application are:

Discounts: If our bid is accepted, the following discounts shall apply. _____ *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*

Methodology of Application of the Discounts: The discounts shall be applied using the following method: _____ *[Specify in detail the method that shall be used to apply the discounts]*;

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 22.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 42 and GCC Clause 18 for the due performance of the Contract;
- (g) We have no conflict of interest in accordance with ITB Sub-Clause 4.2;



-
- (h) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared ineligible by the RPPA, under Rwanda laws or official regulations, in accordance with ITB Sub-Clause 4.3;
- (i) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (j) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: _____ [insert signature and stamp of person whose name and capacity are shown]

In the capacity of _____ [insert legal capacity of person signing the Bid Submission Form]

Name: _____ [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: _____ [insert complete name of Bidder]

Dated on _____ day of _____, _____ [insert date of signing]



Price Schedule Forms

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by RAC in the Schedule of Requirements.]*



Price Schedule: Goods Manufactured outside Rwanda, to be imported

Date: _____ Tender No: _____ Alternative No: _____ Page N° _____ of _____									
(Group C bids, goods to be imported)									
Currencies in accordance with ITB Sub-Clause 15									
1	2	3	4	5	6	7	8	9	10
Line Item N°	Description of Goods	Description of the container (if required)	Country of Origin	Delivery Date as defined by INCOTERMS	Quantity and physical unit	Unit price CIP [insert place of destination] in accordance with ITB 14.6(b)(i)	CIP Price per line item (Col. 5x6)	Price per line item for inland transportation and other services required in Rwanda to convey the Goods to their final destination specified in BDS	Total Price per Line item (Col. 7+8)
[insert number of the item]	[insert name of good]	[describe the quality of the container]	[insert country of origin of the Good]	[insert quoted Delivery Date]	[insert number of units to be supplied and name of the physical unit]	[insert unit price CIP per unit]	[insert total CIP price per line item]	[insert the corresponding price per line item]	[insert total price of the line item]
Total Price									

Name of Bidder [insert complete name of Bidder] Signature and stamp of Bidder [signature of person signing the Bid] Date [Insert Date]



Bid Security (Bank Guarantee)

[The Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

[Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ *[Name and Address of RAC]*

Date: _____

BID GUARANTEE No.: _____

We have been informed that *[name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of *[name of contract]* under Tender Notice / Invitation for Bids No. *[Tender Notice /IFB number]* ("the Tender / IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

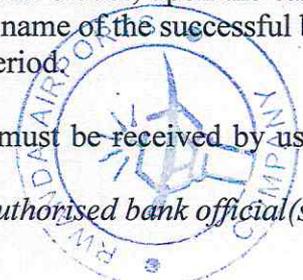
At the request of the Bidder, we *[name of Bank]* hereby irrevocably undertake to immediately pay you any sum or sums not exceeding in total an amount of *[amount in figures]* (*[amount in words]*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by RAC during the period of bid validity, (i) fails or refuses to execute the Contract Form; or (ii) fails or refuses to furnish the performance security, if required, in accordance with the Instructions to Bidders; or
- (c) refuses to accept the correction of errors in its bid price in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful bidder; or (ii) thirty (30) days after the expiration of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

_____ *[Name, Position, signature(s) and stamp of the authorised bank official(s)]*



Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: *[insert date (as day, month and year) of Bid Submission]*
Tender No.: *[insert number of bidding process]*
Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) and stamp of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*



PART 2 – Supplying Requirements

Section V. Supply Requirements

Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by RAC, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB Clause 41.

The date or period for delivery should be carefully specified, taking into account (a) the implications of delivery terms stipulated in the Instructions to Bidders pursuant to the *INCOTERMS* rules (i.e., EXW, or CIF, CIP, FOB, FCA terms—that “delivery” takes place when goods are delivered **to the carriers**), and (b) the date prescribed herein from which RAC’s delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit)



List of Goods and Delivery Schedule

[RAC shall fill in this table, with the exception of the column "Bidder's offered Delivery date" to be filled by the Bidder]

Delivery time shall be an evaluation criterion) delivery time which is un-realistically longer may be a cause of rejection of a bid

Line Item N°	Description of Goods	Description of the container (if required)	Description of the container (if required)	Type, size and weight of the packing material	Quantity	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery (as per INCOTERMS) Date		
								Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
[insert item No]	[insert description of Goods]	[describe the quality of the container]	[Describe the type, size and weight of the packing material]	[insert quantity of item to be supplied]	[insert physical unit for the quantity]	[insert place of Delivery]	[insert the number of days following the date of effectiveness the Contract]	[insert the number of days following the date of effectiveness the Contract]	[insert the number of days following the date of effectiveness the Contract]	[insert the number of days following the date of effectiveness the Contract]
01	Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract)	Appropriate	Appropriate	As described on the list of items to be supplied and technical specifications	Item	RAC Head office	06 months from the date of contract signature	06 months from the date of contract signature	[insert the number of days following the date of effectiveness the Contract]	[insert the number of days following the date of effectiveness the Contract]

1. List of Related Services and Completion Schedule

[This table shall be filled in by RAC. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates (as per INCOTERMS)]

Service	Description of Service	Quantity ¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
1	Maintenance services	As specified in technical specifications	As specified in technical specifications	Kigali International Airport	As specified in technical specifications



TERMS OF REFERENCES FOR PROVISION OF MAINTENANCE SERVICES OF IT EQUIPMENT AND SUPPLY OF SPARE PARTS & CONSUMABLES AND SUPPLY OF LAPTOPS (FRAME WORK CONTRACT)

Background

Rwanda Airports Company (RAC) oversees the management, operation, and development of airports in Rwanda. To carry out its responsibilities effectively, RAC depends heavily on information technology (IT) systems and equipment for administrative, operational, security, and commercial purposes.

RAC operates and maintains a variety of IT equipment including, but not limited to, desktop computers, laptops, servers, storage systems, network devices, printers, scanners, uninterruptible power supplies (UPS), and related peripherals. Ensuring the reliability, availability, and security of these IT assets is crucial for smooth airport operations and service delivery.

To that end, RAC plans to hire a qualified and experienced contractor to provide comprehensive maintenance services for IT equipment and to create a reliable framework for supplying IT equipment, spare parts, and consumables.

Objective of the Assignment

The overall objective of this assignment is to:

1. Make sure RAC's IT equipment stays in good condition, with minimal downtime and top performance.
2. Ensure the timely availability and supply of high-quality IT equipment, genuine spare parts, and consumables, aligned with RAC's operational needs and technical standards.

Specific objectives include:

- Providing preventive and corrective maintenance services for IT equipment at RAC headquarters and all airports under RAC's management.
- Providing on-site and off-site support to resolve IT hardware faults within agreed service levels.
- Supplying IT equipment, spare parts, and consumables as and when required, in accordance with RAC's specifications and standards.

Scope of Work

The scope of work is divided into two main components:

Maintenance Services for IT Equipment

The contractor shall deliver comprehensive maintenance services for IT equipment, including but not limited to:

- Desktop computers, laptops, and associated peripherals
- Servers, storage devices, and backup hardware
- Network equipment (switches, routers, wireless access points, firewalls, etc.)
- Printers, scanners, copiers, and multifunction devices



- Other IT hardware as may be specified by RAC

The maintenance services shall include:

a) Preventive Maintenance

- Scheduled preventive maintenance visits (quarterly) to inspect, clean, test, and optimize IT equipment.
- Firmware and hardware health assessments with upgrade or replacement recommendations.
- Generate preventive maintenance reports that include findings, actions taken, and recommendations.

b) Corrective / Break-Fix Maintenance

Response to hardware failures and malfunctions reported by RAC within agreed response and resolution times.

- Diagnosis and repair of faults, including on-site troubleshooting and replacing defective parts.
- Escalation and coordination with equipment manufacturers or third-party vendors where applicable.
- Provision of temporary replacement equipment where necessary to minimize downtime.

c) Support Coverage & Service Levels

- On-site support within RAC's working hours (and extended/24x7 support for critical systems).
- Defined Service Level Agreement (SLA) including:
 - Response time (e.g., maximum time to attend to a fault after it is logged).
 - Resolution time targets based on severity/priority levels.
 - Uptime and availability targets for critical equipment.

d) Inventory & Asset Management Support

- Assistance in maintaining an updated inventory of IT equipment under maintenance.
- Reporting on equipment status, repeated failures, and end-of-life recommendations.

Supply of IT Equipment, Spare Parts and Consumables

The contractor shall also act as an approved supplier for RAC for the following categories:

- IT equipment (e.g., desktops, laptops, servers, network devices, printers, software, etc.)
- Genuine spare parts for the above equipment (e.g., hard drives, RAM, power supplies, fans, motherboards, etc.)
- Consumables (e.g., printer cartridges/toners, imaging drums, maintenance kits, cables, adapters, etc.)

The contractor's responsibilities under this component include:

- Supplying items strictly in accordance with RAC's technical specifications and brand/model requirements (where specified).



- Installation of the items supplied.
- Ensuring that all items supplied are new, original, and covered by manufacturer warranty where applicable.
- Ensuring traceability and authenticity of spare parts and consumables.
- Delivering items to the designated RAC locations within agreed delivery timelines.
- Providing all necessary technical documentation (e.g. datasheets, warranties, installation guides).

Responsibilities of the Contractor

The contractor shall:

- Maintain a helpdesk/contact point for logging and tracking service requests and supply orders.
- Attend to incidents, service requests, and supply orders within agreed SLAs.
- Provide regular reports to RAC, including:
 - Preventive maintenance reports
 - Incident and intervention reports
 - Inventory and asset status reports
 - Supply/delivery reports
- Ensure strict adherence to RAC's information security, health and safety, and access control procedures when working on RAC premises.
- Maintain adequate stock levels (or rapid sourcing capability) of commonly required spare parts and consumables to minimize lead times.
- Guarantee confidentiality of RAC's data and information encountered during maintenance or installation activities.
- Provide warranty support and manage escalation with original equipment manufacturers (OEMs) where necessary.

Responsibilities of Rwanda Airports Company (RAC)

RAC shall:

- Provide the contractor with access to IT equipment, facilities, and relevant information required to perform the assignment.
- Designate a focal person/contract manager to coordinate and oversee the contractor's activities.
- Provide an updated list of IT equipment covered under the maintenance contract and update it in case of additions or removals.
- Approve maintenance schedules, reports, and any proposed changes in configuration or equipment replacement.
- Approve purchase orders for IT equipment, spare parts, and consumables as per RAC's internal procedures.
- Facilitate timely payments to the contractor in accordance with the signed contract and applicable laws and regulations.



Deliverables

The contractor shall provide, at a minimum, the following deliverables:

- Preventive Maintenance Reports after each scheduled maintenance cycle.
- Incident/Intervention Reports for each corrective maintenance action.
- Supply and Delivery Documentation for each order.
- Periodic Performance Reports (quarterly) summarizing SLA performance, recurrent issues, and recommendations.

Duration of the Contract

The contract duration shall be one (1) year, renewable subject to satisfactory performance and RAC's needs, in accordance with applicable procurement regulations.

Performance Standards and Service Level Agreement (SLA)

The contractor shall adhere to the following key performance standards (to be finalized in the contract):

- Maximum response time for critical incidents: 15 Minutes
- Maximum resolution time for critical incidents: 4 Hours
- Maximum response/resolution time for non-critical incidents: 8 Hours
- Minimum uptime/availability for specified critical systems: 99%
- Delivery lead time for common spare parts and consumables: 7 working days

Penalties or service credits may be imposed for failure to meet the agreed service levels, as set forth in the contract.

Confidentiality and Data Protection

The contractor and its personnel shall:

- Treat all information, configurations, and data accessed during the course of the assignment as strictly confidential.
- Not disclose RAC's information to any third party without prior written consent from RAC.
- Comply with RAC's information security policies and any applicable data protection laws and regulations.

Items to be maintained currently:

SN	ITEMS	LOCATION	QTY
1	Desktop	Offices	63
2	Laptops	Offices	59
3	Scanners	Offices	4
4	Printers	Offices	16
5	Network Switches	Server rooms	17
6	Servers	Server rooms	08
7	Routers	Server rooms	02
8	Firewall	Server rooms	01



9	TV Flat Screen	Terminal Building & EOC	27
10	Projector	Boardroom & Training Rooms	05
11	Plotter	Offices	01

ICT Equipment Specifications

Desktops

No	Item	Specifications	Qty	Unit price
1	Desktop (Tier 1)	<p>Processor: Intel Core Ultra 9 285 (24 cores, up to 5.6 GHz, 65 W)</p> <p>Memory: 128GB DDR5 RAM</p> <p>Storage: 4 TB SSD</p> <p>Monitor: 32 Inch</p> <p>Operating System: Windows 11 Pro</p> <p>Productivity: Microsoft Office 2024</p> <p>GPU: NVIDIA RTX2000 ADA, 16 GB GDDR6, 4 mDP to DP adapters</p> <p>Connectivity: Intel Wi-Fi 7 BE200, 2x2, 802.11be, MU-MIMO, Bluetooth 5.4 wireless card</p> <p>Ports:</p> <p>Front:</p> <p>1 USB 3.2 Gen 1 (5Gbps) port</p> <p>1 USB 3.2 Gen 1 (5Gbps) port with PowerShare</p> <p>1 USB 3.2 Gen 2 (10Gbps) Type-C port</p> <p>1 USB 3.2 Gen 2x2 (20Gbps) Type-C port with PowerShare</p> <p>1 Global headset jack</p> <p>1 SD 7.0 Express-card slot</p> <p>Rear:</p> <p>2 USB 2.0 (480Mbps) ports with SmartPower</p> <p>2 USB 3.2 Gen 2 (10Gbps) ports</p> <p>1 USB 3.2 Gen 2x2 (20Gbps) Type-C port</p> <p>1 RJ45 (1GbE) Ethernet port</p> <p>2 DisplayPort 1.4a HBR3 ports</p> <p>1 HDMI 2.1</p> <p>1 DP 2.1</p>	1	
2	Desktop (Tier 2)	<p>Processor: Intel® Core™ Ultra 7 265K processor (20-Core, 66MB Total Cache, 3.3GHz to 5.5GHz)</p> <p>Memory: 64GB DDR5 RAM</p>	1	



		<p>Storage: 2TB SSD Monitor: 27 Inch Operating System: Windows 11 Pro Productivity: Microsoft Office 2024 GPU: Intel UHD Graphics Connectivity: WiFi 6, Bluetooth 5.4 Ports: Front: 1 SD card slot 1 Headset jack 3 USB 3.2 Type-A Gen 1 1 USB 3.2 Type-C Gen 2 (no video/audio output) Rear: 1 Kensington lock slot S/PDIF Optical 2 x Stereo Audio (Line In / Line Out) 1 HDMI 2.0 (includes 4K video output) 1 Thunderbolt 4 (includes 4K video output) 2 USB 3.2 Type-A Gen 1 2 USB 2.0 Type-A 1 RJ45 Ethernet Port, 2.5GbE 3 PCIe slots (1x16, 2x4)* 1 Power supply</p>		
3	Desktop (Tier 3)	<p>Processor: Intel Core Ultra 5-225 processor (10 Cores, 20MB Total Cache, 3.3GHz) Memory: 32GB DDR5 RAM Storage: 1TB SSD Monitor: 27 Inch Operating System: Windows 11 Pro Productivity: Microsoft Office 2024 Connectivity: Wi-Fi 6, Bluetooth 5.4 GPU: Intel UHD Graphics Ports: Front: 2 USB 2.0 (480 Mbps) ports 1 USB 3.2 Gen 1 (5 Gbps) Type-C® port 1 USB 3.2 Gen 1 (5 Gbps) port 1 global headset jack 1 Media Card Reader Rear: 1 DisplayPort 1.4 port 1 HDMI 2.1 port 2 USB 3.2 Type-A ports</p>	1	



		2 USB 2.0 Type-A ports 1 RJ45 Ethernet port (1Gbps)		
4	Desktop (Tier 4)	<p>Processor: Intel Core Ultra 5-225 processor (10 Cores, 20MB Total Cache, 3.3GHz)</p> <p>Memory: 16GB DDR5 RAM</p> <p>Storage: 1TB SSD</p> <p>Monitor: 27 Inch</p> <p>Operating System: Windows 11 Pro</p> <p>Productivity: Microsoft Office 2024</p> <p>Connectivity: WiFi 6, Bluetooth 5.4</p> <p>GPU: Intel UHD Graphics</p> <p>Ports:</p> <p>Front:</p> <p>2 USB 2.0 (480 Mbps) ports 1 USB 3.2 Gen 1 (5 Gbps) port 1 USB 3.2 Gen 1 (5 Gbps) Type-C port 1 Global headset jack 1 Media Card Reader</p> <p>Rear:</p> <p>2 USB 2.0 (480 Mbps) ports with Smart Power On 2 USB 3.2 Gen 1 (5 Gbps) ports 1 HDMI 2.1 (TDMS) port 1 DisplayPort™ 1.4 (HBR3) port 1 RJ45 (1 Gbps) Ethernet port</p>	1	
5	Mac Pro	<p>Chip:</p> <p>Apple M2 Ultra chip 24-core CPU with 24 performance cores and 8 efficiency cores 76-core GPU 32-core Neural Engine 800GB/s memory bandwidth Media engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Two video decode engines Four video encode engines Four ProRes encode and decode engines</p> <p>Memory: 128 GB</p> <p>Storage: 4TB</p> <p>Monitor: Pro Display XDR 32-inch 6K Retina display.</p> <p>Display:</p> <p>Simultaneous support for up to eight displays:</p>	1	



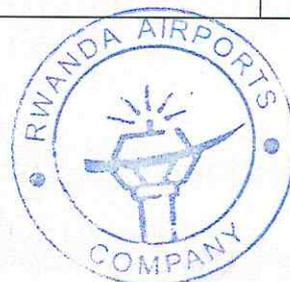
		<p>Eight displays with up to 4K resolution at 60Hz Six displays with up to 6K resolution at 60Hz Three displays with up to 8K resolution at 60Hz Thunderbolt 4 digital video output Support for native DisplayPort output over USB-C HDMI display video output (per port) Support for one display with up to 8K resolution at 60Hz or 4K resolution at 240Hz Support for variable refresh rate (VRR), HDR, and multichannel audio</p> <p>Audio: Built-in speaker 3.5 mm headphone jack with advanced support for high-impedance headphones HDMI port supports multichannel audio output</p> <p>Connections: Eight Thunderbolt 4 (USB-C) ports Six ports on the back of the enclosure and two ports on the top of the tower enclosure or two ports on the front of the rack enclosure Support for: Thunderbolt 4 (up to 40Gb/s) DisplayPort USB 4 (up to 40Gb/s) USB 3.1 Gen 2 (up to 10Gb/s) Internal connections One USB-A port (up to 5Gb/s) Two Serial ATA ports (up to 6Gb/s) Additional connections Two USB-A ports (up to 5Gb/s) Two HDMI ports Two 10Gb Ethernet ports 3.5 mm headphone jack</p> <p>Communications: Wi-Fi Wi-Fi 6E (802.11ax)2 Bluetooth Bluetooth 5.3 Two 10Gb Ethernet ports</p>		
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		<p>10Gb Ethernet (Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector)</p> <p>Input Devices: Magic Keyboard with Touch ID and Numeric Keypad Magic Mouse Magic Trackpad</p>		
6	Mac Studio	<p>Chip: Apple M4 Max chip 16-core CPU with 10 performance cores and 4 efficiency cores 40-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 546GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Two video encode engines Two ProRes encode and decode engines AV1 decode</p> <p>Memory: 64 GB unified memory Storage: 2 TB Monitor: Studio Display, 27-inch 5K Retina display. Display Support: Simultaneous support for up to five displays: Up to four displays with 6K resolution at 60Hz over Thunderbolt and one display with 4K resolution at 144Hz over HDMI Up to two displays with 6K resolution at 60Hz over Thunderbolt and one display with 8K resolution at 60Hz or 4K resolution at up to 240Hz over HDMI Thunderbolt 5 digital video output Support for native DisplayPort 2.1 output over USB-C HDMI display video output Support for one display with up to 8K resolution at 60Hz or 4K resolution at 240Hz Support for variable refresh rate (VRR), HDR, and multichannel audio</p>	1	



		<p>Audio: Built-in speaker 3.5 mm headphone jack with advanced support for high-impedance headphones HDMI port supports multichannel audio output</p> <p>Connections: Four Thunderbolt 5 (USB-C) ports with support for: Thunderbolt 5 (up to 120Gb/s) USB 4 (up to 120Gb/s) USB 3 (up to 10Gb/s) DisplayPort 2.1 Two USB 3 (USB-A) ports (up to 5Gb/s) HDMI 2.1 port 10Gb Ethernet 3.5 mm headphone jack</p> <p>On front: Two USB-C ports (up to 10Gb/s) SDXC card slot (UHS-II)</p> <p>Communications: Wi-Fi Wi-Fi 6E (802.11ax) Bluetooth Bluetooth 5.3 Ethernet 10Gb Ethernet (Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector)</p>		
7	Mac mini	<p>Chip: Apple M4 Pro chip 14-core CPU with 8 performance cores and 4 efficiency cores 20-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 273GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine AV1 decode</p>	1	



		<p>Memory: 48GB unified memory Storage: 1TB SSD Monitor: 24-inch 4.5K Retina display. Display Support: Simultaneously supports up to three displays: Up to three displays: Three displays with up to 6K resolution at 60Hz over Thunderbolt or HDMI Up to two displays: One display with up to 6K resolution at 60Hz over Thunderbolt and one display with up to 8K resolution at 60Hz or 4K resolution at 240Hz over Thunderbolt or HDMI Thunderbolt 5 digital video output Support for native DisplayPort 2.1 output over USB-C HDMI display video output Support for one display with up to 8K resolution at 60Hz or 4K resolution at 240Hz Audio: Built-in speaker 3.5 mm headphone jack with advanced support for high-impedance headphones HDMI port supports multichannel audio output Connections: Front: Two USB-C ports with support for USB 3 (up to 10Gb/s) 3.5 mm headphone jack Rear: Gigabit Ethernet port (configurable to 10Gb Ethernet) HDMI port Three Thunderbolt 5 (USB-C) ports with support for: Thunderbolt 5 (up to 120Gb/s) USB 4 (up to 120Gb/s) DisplayPort Communications: Wi-Fi: Wi-Fi 6E (802.11ax)3 Bluetooth: Bluetooth 5.3 Ethernet: 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)</p>		
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		Configurable to 10Gb Ethernet (Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector)		
8	iMac	<p>Chip: Apple M4 chip 10-core CPU with 4 performance cores and 6 efficiency cores 10-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 120GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine AV1 decode Storage: 2 TB Memory: 32GB unified memory Display: 24-inch 4.5K Retina display 4480-by-2520 resolution at 218 pixels per inch with support for 1 billion colors 500 nits brightness Wide color (P3) True Tone technology Camera: 12MP Center Stage camera with support for Desk View 1080p HD video recording Advanced image signal processor with computational video Display Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and: Up to two external displays with up to 6K resolution at 60Hz or one external display with up to 8K resolution at 60Hz Thunderbolt 4 digital video output Native DisplayPort output over USB-C Connections: Four Thunderbolt 4 ports with support for:</p>	1	



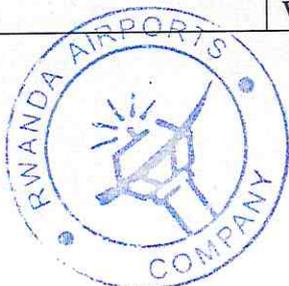
		<p>Thunderbolt 4 (up to 40Gb/s) USB 4 (up to 40Gb/s) USB 3.1 Gen 2 (up to 10Gb/s) DisplayPort 3.5 mm headphone jack with advanced support for high-impedance headphones Gigabit Ethernet</p> <p>Input: Magic Keyboard with Touch ID Magic Mouse Configurable with: Magic Keyboard with Touch ID and Numeric Keypad Magic Trackpad</p> <p>Wireless: Wi-Fi: Wi-Fi 6E (802.11ax)4 Bluetooth: Bluetooth 5.3</p>		
9	27 Inch Monitor	<p>Screen Size Class: 27" Viewable Screen Size: 27" Screen Mode: 4K UHD Panel Technology: In-plane Switching (IPS) Black Technology Aspect Ratio: 16:9 Pixel Pitch: 0.1554 mm x 0.1554 mm Horizontal Viewing Angle: 178° Vertical Viewing Angle: 178° Mount Type: Panel Mount Backlight Technology: LED Edgelight System HDCP Supported: Yes Maximum Adjustable Height: 5.91" Tilt Angle: -5° to 21° Swivel Angle: -45° to 45° Pivot Angle: -90° to 90° Maximum Resolution: 3840 x 2160 Standard Refresh Rate: 120 Hz Color Supported: 1.07 Billion Colors Native Contrast Ratio: 3,000:1</p> <p>Connectivity: 1 DisplayPort 1.4 port with DSC support (DRR for Microsoft Windows) 1 DisplayPort 1.4 port out 1 HDMI port (Supports up to UHD 3840 x 2160 120Hz FRL, VRR as per specified in HDMI2.1)</p>	1	



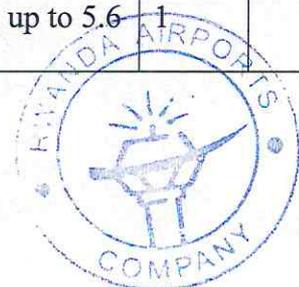
		<p>1 Thunderbolt 4 upstream port (DP1.4 (HDCP 2.2) with DSC support, PD: Up to 140W EPR , 2/4 Lanes switching)</p> <p>1 Thunderbolt 4 downstream port (Downstream, Daisy Chain, 15 W)</p> <p>1 USB-C (USB 10Gbps KVM) upstream port</p> <p>1 Analog 2.0 audio line out port (3.5 mm jack)</p> <p>4 USB Type-A ports 10Gbps</p> <p>1 RJ45 Ethernet port, 2.5GbE</p> <p>Quick Access port:</p> <p>1 USB Type-A 10Gbps port with BC 1.2</p> <p>2 USB-C 10Gbps downstream ports</p>		
10	32 Inch Monitor	<p>Screen Size Class: 32"</p> <p>Viewable Screen Size: 31.5"</p> <p>Screen Mode: 4K UHD</p> <p>Panel Technology: In-plane Switching (IPS) Black Technology</p> <p>Aspect Ratio: 16:9</p> <p>Pixel Pitch: 0.18159 mm x 0.18159 mm</p> <p>Horizontal Viewing Angle: 178°</p> <p>Vertical Viewing Angle: 178°</p> <p>Mount Type: Panel Mount</p> <p>Backlight Technology: LED Edgelight System</p> <p>HDCP Supported: Yes</p> <p>Maximum Adjustable Height: 5.91"</p> <p>Tilt Angle: -5° to 21°</p> <p>Swivel Angle: -30° to 30°</p> <p>Pivot Angle: -90° to 90°</p> <p>Maximum Resolution: 3840 x 2160</p> <p>Standard Refresh Rate: 120 Hz</p> <p>Color Supported: 1.07 Billion Colors</p> <p>Connectivity:</p> <p>1 DisplayPort 1.4 port with DSC support (DRR for Microsoft Windows)</p> <p>1 DisplayPort 1.4 port out</p> <p>1 HDMI port (Supports up to UHD 3840 x 2160 120Hz FRL, VRR as per specified in HDMI2.1)</p> <p>1 Thunderbolt 4 upstream port (DP1.4 (HDCP 2.2) with DSC support, PD: Up to 140W EPR, 2/4 Lanes switching)</p> <p>1 Thunderbolt 4 downstream port (Downstream, Daisy Chain, 15 W)</p>	1	



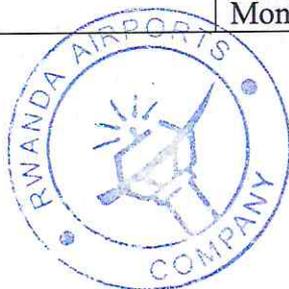
		<p>1 USB-C (USB 10Gbps KVM) upstream port</p> <p>1 Analog 2.0 audio line out port (3.5 mm jack)</p> <p>4 USB Type-A ports 10Gbps</p> <p>1 RJ45 Ethernet port, 2.5GbE</p> <p>Quick Access port:</p> <p>1 USB Type-A 10Gbps port with BC 1.2</p> <p>2 USB-C 10Gbps downstream ports</p>		
11	34 Inch Monitor (Curved)	<p>Diagonal Viewing Size: 34.14"</p> <p>Preset Display Area (H x V): 799.80 mm x 334.80 mm 31.49" x 13.18"</p> <p>267,773.04 mm² (415.04 inches²)</p> <p>Panel Type: IPS Black Technology</p> <p>Display Screen Coating: Anti-Glare with 3H hardness</p> <p>Maximum Preset Resolution: 3440 x 1440 at 120 Hz</p> <p>Viewing Angle: 178° vertical / 178° horizontal</p> <p>Pixel Pitch: 0.2325 mm x 0.2325 mm</p> <p>Pixel Per Inch (PPI): 110</p> <p>Contrast Ratio: 2000 to 1 (typical)</p> <p>Aspect Ratio: 21:9</p> <p>Backlight Technology: LED Edgelight System</p> <p>Brightness: 300 cd/m² (typical)</p> <p>Response Time: 8 ms (Normal) 5 ms (Fast)</p> <p>Ambient Light Sensor: Yes, auto brightness and color temperature adjustment</p> <p>Connectivity: 1 x HDMI port (HDCP1.4 & 2.2) (supports up to WQHD 3440 x 1440 100 Hz TMDS as per specified in HDMI 2.1)</p> <p>1 x DP 1.4 (HDCP1.4 & 2.2) (supports up to WQHD 3440 x 1440 120 Hz)</p> <p>1 x Thunderbolt™ 4 downstream port (15 W) for daisy chaining (Video + Data)</p> <p>1 x Thunderbolt™ 4 upstream port (Video + Data). Alternate mode with DisplayPort 1.4, Power Delivery up to 90 W</p>	1	



		<p>1 x USB-Type C upstream port (data only) (super speed USB 10 Gbps, USB 3.2 Gen2)</p> <p>4 x USB Type-A downstream port (super speed USB 10 Gbps, USB 3.2 Gen2)</p> <p>1 x Audio line-out port</p> <p>1 x RJ45 Ethernet port, 2.5GbE</p> <p>1 x USB Type-A downstream port (super speed USB 10 Gbps, USB 3.2 Gen2) with BC1.2 power charging</p> <p>2 x USB Type-C downstream port (super speed USB 10 Gbps, USB 3.2 Gen2) with power charging (15 W)</p> <p>Adjustability: Height, Tilt, Swivel</p> <p>Height adjustable: 150 mm</p> <p>Tilt: -5°/+21°</p> <p>Swivel: -30°/+30°</p> <p>PbP / PiP: Yes</p> <p>Keyboard, Video and Mouse (KVM): Yes</p> <p>Daisy Chain Availability: Yes</p> <p>Audio Output: 1 x Audio line-out</p> <p>Built-in Speaker: 2 x 5 W</p>		
12	49 Inch Monitor (Curved)	<p>Display Screen Size (Class): 49</p> <p>Active Display Size (HxV) (Inches): 1,196.7x339.2</p> <p>Aspect Ratio: 32:9</p> <p>Panel Type: OLED</p> <p>HDR10+</p> <p>Resolution: DQHD (5,120 x 1,440)</p> <p>Color Support: Max 1B</p> <p>Frame Rate: Max 240Hz</p>	1	
13	57 Inch Monitor (Curved)	<p>Display Screen Size (Class): 57 inches</p> <p>Resolution: 7,680 x 2,160</p> <p>Aspect Ratio: 32:9</p> <p>HDR10+</p> <p>Frame Rate: Max 240Hz</p> <p>Picture-in-Picture: Yes</p> <p>Picture-By-Picture: Yes</p> <p>Quantum Dot Color: Yes</p> <p>FreeSync: FreeSync Premium Pro</p> <p>Viewing Angle (Horizontal/Vertical): 178°(H)/178°(V)</p> <p>Color Support: Max 1B</p>	1	
14	Desktop Processor	Intel Core Ultra 9 285 (24 cores, up to 5.6 GHz, 65 W)	1	



15	Desktop Processor	Intel® Core™ Ultra 7 265K processor (20-Core, 66MB Total Cache, 3.3GHz to 5.5GHz)	1	
16	Desktop Processor	Intel Core Ultra 5-225 processor (10 Cores, 20MB Total Cache, 3.3GHz)	1	
17	Desktop Processor	Intel Core Ultra 5-225 processor (10 Cores, 20MB Total Cache, 3.3GHz)	1	
18	Desktop RAM	128GB DDR5 RAM (6000MHz CL40, Overclocking Desktop Memory, Intel XMP 3.0 & AMD Expo Compatible)	1	
19	Desktop RAM	64GB DDR5 RAM (6000MHz CL40, Overclocking Desktop Memory, Intel XMP 3.0 & AMD Expo Compatible)	1	
20	Desktop RAM	32GB DDR5 RAM (6000MHz CL40, Overclocking Desktop Memory, Intel XMP 3.0 & AMD Expo Compatible)	1	
21	Desktop RAM	16GB DDR5 RAM (6000MHz CL40, Overclocking Desktop Memory, Intel XMP 3.0 & AMD Expo Compatible)	1	
22	Desktop RAM	8GB DDR5 RAM (6000MHz CL40, Overclocking Desktop Memory, Intel XMP 3.0 & AMD Expo Compatible)	1	
23	Graphics Card	GeForce RTX 5090	1	
24	Graphics Card	GeForce RTX 5080	1	
25	Graphics Card	GeForce RTX 5070Ti	1	
26	Graphics Card	GeForce RTX 5070	1	
27	Graphics Card	GeForce RTX 5060 Ti	1	
28	Graphics Card	GeForce RTX 5060	1	
29	Graphics Card	GeForce RTX 5050	1	
30	Graphics Card	RTX PRO 6000 Blackwell Workstation Edition	1	
31	Graphics Card	RTX PRO 6000 Blackwell Max-Q Workstation Edition	1	
32	Graphics Card	RTX PRO 5000 Blackwell	1	
33	Graphics Card	RTX PRO 4500 Blackwell	1	
34	Graphics Card	RTX PRO 4000 Blackwell	1	
35	Graphics Card	RTX PRO 4000 Blackwell SFF Edition	1	
36	Graphics Card	RTX PRO 2000 Blackwell	1	
37	AI PC	OS & Software: Windows 11 Pro 64-bit Essential Software: GPU drivers: NVIDIA Chipset, LAN, audio drivers (motherboard vendor) Monitoring tools:	1	



	<p>HWInfo, MSI Afterburner, or vendor tools for temps & clocks</p> <p>Form Factor: Full Tower ATX case with excellent airflow and radiator support</p> <p>Front mesh panel, support for 360 mm radiator, at least 7 expansion slots, GPU clearance ≥ 380 mm</p> <p>Front I/O: USB-C, multiple USB-A, audio combo jack</p> <p>CPU (Processor): Intel Core i9-14900K (24 cores: 8P + 16E, up to 6.0 GHz boost)</p> <p>CPU Cooling: 360 mm AIO liquid cooler</p> <p>Radiator: 360 mm (3×120 mm fans) mounted top or front</p> <p>Pump with PWM control and good software support</p> <p>Thermal paste: high-quality (e.g. thermal conductivity ≥ 8 W/mK)</p> <p>Motherboard: Intel: Z790 chipset ATX motherboard</p> <p>PCIe 5.0 x16 slot for GPU</p> <p>2× M.2 PCIe 4.0/5.0 slots with heatsinks</p> <p>2.5 GbE LAN (or better), Wi-Fi 6E</p> <p>4× DDR5 DIMM slots (256 GB RAM)</p> <p>Rear I/O: 4* USB-A 3.2</p> <p>4*USB-C</p> <p>Optical audio</p> <p>HDMI/DP</p> <p>Memory (RAM): 256GB DDR5</p> <p>Speed: DDR5-6000 to 6400 MHz, low latency (CL30–36)</p> <p>Graphics Card (GPU): NVIDIA GeForce RTX 4090 24 GB GDDR6X</p> <p>Triple-fan design, good cooling, 3× 8-pin or 12VHPWR power connector</p> <p>Storage: Primary (OS)</p> <p>NVMe M.2 SSD – 2 TB, PCIe 5.0</p> <p>Seq read $\geq 7,000$ MB/s, write $\geq 5,000$ MB/s</p> <p>Secondary (AI project files)</p> <p>NVMe M.2 SSD – 4 TB, PCIe 5.0</p> <p>Bulk/Archive Storage</p> <p>1× 8 TB HDD (7200 RPM) for mass storage, backups etc.</p> <p>Power & Cooling:</p> <p>Power Supply (PSU)</p>		
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		<p>1000–1200 W, 80+ Gold or Platinum Fully modular ATX 3.0 compliant with 12VHPWR cable (for RTX 4090) Case Fans & Airflow: Minimum: 3*120/140 mm intake fans (front/bottom) 1–2*120/140 mm exhaust fans (rear/top, plus AIO fans) All fans PWM-controlled via motherboard or hub Dust filters on intakes Keyboard: Mechanical keyboard (hot-swappable) Switch type:(linear), full-size N-key rollover, per-key RGB Mouse: High-end gaming wireless mouse 20,000+ DPI sensor, low latency, at least 5 programmable buttons</p>		
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Laptops

No	Item	Specifications	Qty	Unit price
1	Laptop (Tier 1)	<p>Processor: Intel Core Ultra 7 268V, vPro (48 TOPS NPU, 8 cores, up to 5.0 GHz) Operating System: Windows 11 Pro, Copilot+ PC Graphics Card: Integrated Intel Arc graphics for Intel Core Ultra 7 268V vPro processor, 32 GB LPDDR5x memory Display: 14", Non-Touch, FHD+, Anti-Glare, 400 nits, 100% sRGB, ComfortView Plus, Low Power, 8MP + IR Cam Memory: 64 GB: LPDDR5x, 8533 MT/s (onboard) Storage: 2TB, TLC, SSD Productivity: Microsoft Office 2024 Pro Keyboard: English US battery-saving mini-LED backlit Copilot hotkey zero-lattice keyboard Ports:</p>	1	



		<p>2 Thunderbolt 4 (40 Gbps) with DisplayPort™ Alt Mode/USB Type-C/USB4/Power Delivery ports</p> <p>1 USB 3.2 Gen 1 (5 Gbps) with PowerShare port</p> <p>1 HDMI 2.1 port</p> <p>1 headset (headphone and microphone combo) port</p> <p>Touchpad: Multi-touch gesture-enabled precision touchpad with integrated scrolling</p> <p>Collaboration Touchpad</p> <p>Camera: 8MP HDR + IR Camera with Presence Detection, TNR, Camera Shutter, Microphone</p> <p>Audio and Speakers: Stereo speakers with Cirrus Logic Smart Amp, 2W x 2 = 4W</p> <p>Wireless: Intel® BE201 Wi-Fi 7 2x2, Bluetooth® 5.4 Technology, Wireless Card</p> <p>Power: 65W AC adapter, USB Type-C</p> <p>Palmrest: Fingerprint Reader, Collaboration Touchpad, WLAN</p> <p>Laptop bag: Included</p>		
2	Laptop (Tier 2)	<p>Processor: Intel Core Ultra 7 266V, vPro (48 TOPS NPU, 8 cores, up to 5.0 GHz)</p> <p>Operating System: Windows 11 Pro, Copilot+ PC</p> <p>Graphics Card: Integrated Intel Arc graphics for Intel Core Ultra 7 266V vPro processor, 16 GB LPD</p> <p>Display: 13.3", Touch, FHD+, Anti-Glare, 300 nits, 100% sRGB, ComfortView Plus, FHD IR Cam</p> <p>Memory:</p>	1	



		<p>32 GB: LPDDR5x, 8533 MT/s (onboard)</p> <p>Storage: 1TB, TLC, SSD</p> <p>Productivity: Microsoft Office 2024 Pro</p> <p>Keyboard: English US backlit Copilot key keyboard</p> <p>Ports: 2 Thunderbolt 4 (40 Gbps) with DisplayPort 2.1 Alt Mode/USB Type-C/USB4/Power Delivery ports 1 USB 3.2 Gen 1 Type A port with PowerShare 1 USB 3.2 Gen 1 Type A port 1 HDMI 2.1 port 1 global headset jack</p> <p>Touchpad: Multi-touch gesture-enabled precision touchpad</p> <p>Camera: 1440p at 30 fps, 5M RGB-IR HDR camera, Dual-array microphones, Ambient light sensor, Presence Detection Laptop bag included</p> <p>Audio and Speakers Stereo speakers with Cirrus Logic audio processing, 2W x 2 = 4W total</p> <p>Wireless: Intel Wi-Fi 7 BE201, 2x2, 802.11be, Bluetooth 5.4 wireless card</p> <p>Power: 65W AC adapter, USB Type-C</p> <p>Palmrest: No Fingerprint Reader, No Smart Card Reader</p>		
3	Laptops (Tier 3)	<p>Processor: Intel Core Ultra 7 255U (12 TOPS NPU, 12 cores, up to 5.2 GHz)</p> <p>Operating System: Windows 11 Pro</p>		



		<p>Graphics Card: Integrated Intel graphics for Intel Core Ultra 7 255U processor</p> <p>Display: 14", Non-Touch, FHD+, IPS, 300 nits, 45% NTSC, Anti-Glare, FHD+IR Cam</p> <p>Memory: 16 GB: 1 x 16 GB, DDR5, 5600 MT/s (5200 MT/s with Intel Core processors)</p> <p>Storage: 1 TB, SSD</p> <p>Productivity: Microsoft Office 2024 Pro</p> <p>Keyboard: English US backlit Copilot key keyboard</p> <p>Ports: 1 Global headset port 1 HDMI 2.1 (TMDS) port 1 USB 3.2 Gen 1 (5 Gbps) Type-A port 1 USB 3.2 Gen 1 (5 Gbps) Type-A port with PowerShare 1 USB 3.2 Gen 2 (10 Gbps) Type-C port with DisplayPort Alt mode/Power Delivery 1 Thunderbolt 4 (40 Gbps) port with Power Delivery 3.1 & DisplayPort 2.1 Alt Mode/USB Type-C/USB4/Power Delivery 1 RJ45 Ethernet port, 1GbE 1 power-adaptor port</p> <p>Touchpad: Multi-touch gesture-enabled precision touchpad with integrated scrolling</p> <p>Camera: 1080p at 30 fps FHD + IR camera, Dual-array microphones</p> <p>Audio and Speakers: Stereo speakers with Waves MaxxAudio Pro, Intelligo, 2 W x 2 = 4 W total</p>		
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		<p>Wireless Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax, Bluetooth 5.3 wireless card</p> <p>Power 65W AC adapter, USB Type-C</p> <p>Palmrest No Fingerprint Reader, Non-vPro</p> <p>Laptop Bag: Included</p>		
4	Laptop Ruggedized	<p>Processor: Intel Core Ultra 5 135U (12 cores, up to 4.4 GHz, 15 W)</p> <p>Operating System: Windows 11 Pro</p> <p>Graphics Card: Intel Core Ultra 5 135U (12 MB cache, 12 cores, up to 4.40 GHz, 15W), 16 GB memory, Integrated GFX</p> <p>Display: 13.3", Touch, FHD, WVA, Anti-Glare, 1400 nits, Passive Pen Support, FHD IR Cam</p> <p>Memory: 16GB: LPDDR5x, 6400 MT/s (onboard)</p> <p>Storage: 1 TB, M.2 2230, PCIe NVMe, SSD</p> <p>Productivity: Microsoft Office 2024 Pro</p> <p>Keyboard English US Rugged RGB Single Point backlit Copilot key keyboard</p> <p>Ports 1 headset (headphone and microphone combo) port 1 USB 3.2 Gen 1 (5 Gbps) port 1 USB 3.2 Gen 1 port with PowerShare 1 Thunderbolt 4/USB 4 Type-C with Power Delivery</p>	1	



		<p>1 Thunderbolt 4/USB 4 2 Type-C with Power Delivery port 1 HDMI 2.1 port 1 RS-232 Serial port 1 RJ45 (1 Gbps) Ethernet port Touchpad: Single-touch gesture-enabled touchpad Camera: 1080p at 30 fps FHD-IR camera, Dual-array microphones, ExpressSign-in Audio and Speakers: Stereo speakers with Realtek ALC3254 Audio Controller, 2W x 2 = 4W total Wireless: Intel Wi-Fi 6E AX211, 2x2, 802.11ax, MU-MIMO, Bluetooth 5.3 wireless card Power: 65W AC adapter, USB Type-C</p>		
5	MacBook Pro 16"	<p>Chip: Apple M4 Max chip 16-core CPU with 12 performance cores and 4 efficiency cores 40-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 546GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Two video encode engines Two ProRes encode and decode engines AV1 decode Display: 16.2-inch (diagonal) Liquid Retina XDR display; 2 3456-by-2234 native resolution at 254 pixels per inch Memory: 64GB unified memory Storage:</p>	1	



		<p>2TB SSD</p> <p>Charging and Expansion: SDXC card slot HDMI port 3.5 mm headphone jack MagSafe 3 port Three Thunderbolt 5 (USB-C) ports with support for: Charging DisplayPort Thunderbolt 5 (up to 120Gb/s) USB 4 (up to 120Gb/s)</p> <p>Display Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and: Up to four external displays: Up to three external displays with 6K resolution at 60Hz over Thunderbolt and one external display with up to 4K resolution at 144Hz over HDMI Up to three external displays: Up to two external displays with 6K resolution at 60Hz over Thunderbolt and one external display with up to 8K resolution at 60Hz or one external display with 4K resolution at 240Hz over HDMI</p> <p>Thunderbolt 5 digital video output Support for native DisplayPort 2.1 output over USB-C HDMI digital video output Support for one display with up to 8K resolution at 60Hz or 4K resolution at 240Hz</p> <p>Keyboard and Trackpad: Backlit Magic Keyboard with: 78 (U.S.) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted-T arrangement Touch ID Ambient light sensor</p>		
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		<p>Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures</p> <p>Wireless: Wi-Fi: Wi-Fi 6E (802.11ax)8 Bluetooth: Bluetooth 5.3</p> <p>Camera: 12MP Center Stage camera with support for Desk View 1080p HD video recording Advanced image signal processor with computational video</p>		
6	MacBook Pro 14"	<p>Chip: Apple M4 Pro chip 14-core CPU with 10 performance cores and 4 efficiency cores 20-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 273GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine AV1 decode</p> <p>Display: 14.2-inch (diagonal) Liquid Retina XDR display; 2 3024-by-1964 native resolution at 254 pixels per inch</p> <p>Memory: 24GB unified memory Storage: 1TB SSD</p> <p>Charging and Expansion: SDXC card slot HDMI port 3.5 mm headphone jack MagSafe 3 port Three Thunderbolt 5 (USB-C) ports with support for:</p>	1	



		<p>Charging DisplayPort Thunderbolt 5 (up to 120Gb/s) USB 4 (up to 120Gb/s)</p> <p>Display Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and: Up to two external displays with up to 6K resolution at 60Hz over Thunderbolt, or one external display with up to 6K resolution at 60Hz over Thunderbolt and one external display with up to 4K resolution at 144Hz over HDMI One external display supported at 8K resolution at 60Hz or one external display at 4K resolution at 240Hz over HDMI</p> <p>Keyboard and Trackpad: Backlit Magic Keyboard with: 78 (U.S.) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted-T arrangement Touch ID Ambient light sensor Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures</p> <p>Wireless: Wi-Fi: Wi-Fi 6E (802.11ax) Bluetooth: Bluetooth 5.3</p> <p>Camera: 12MP Center Stage camera with support for Desk View 1080p HD video recording Advanced image signal processor with computational video</p>		
7	MacBook Air	<p>Chip: Apple M4 chip 10-core CPU with 4 performance cores and 6 efficiency cores</p>	1	



		<p>10-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 120GB/s memory bandwidth Media Engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine AV1 decode</p> <p>Display: 13.6-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1664 native resolution at 224 pixels per inch 500 nits brightness</p> <p>Memory: 24GB unified memory</p> <p>Storage: 1TB SSD</p> <p>Charging and Expansion: MagSafe 3 charging port 3.5 mm headphone jack Two Thunderbolt 4 (USB-C) ports with support for: Charging DisplayPort Thunderbolt 4 (up to 40Gb/s) USB 4 (up to 40Gb/s)</p> <p>Display Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and: Up to two external displays with up to 6K resolution at 60Hz Thunderbolt 4 digital video output Support for native DisplayPort 1.4 output over USB-C</p> <p>Keyboard and Trackpad Backlit Magic Keyboard with: 78 (U.S.) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted-T arrangement Touch ID</p>		
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		<p>Ambient light sensor Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures</p> <p>Wireless: Wi-Fi 6E (802.11ax)5 Bluetooth 5.3</p> <p>Camera: 12MP Center Stage camera with support for Desk View 1080p HD video recording Advanced image signal processor with computational video</p>		
8	AI Laptop	<p>Software & OS: Windows 11 Pro 64-bit Vendor control software for: Performance profiles Fan curves & RGB Display and audio presets CPU: Intel Core Ultra 9 275HX 24 cores / 24 threads Max Turbo Frequency: 5.4 GHz GPU (Graphics Card): NVIDIA GeForce RTX 4090 Laptop GPU, 16 GB GDDR6 RAM (Memory): 128 GB DDR5 Speed: DDR5 5200–6400 MHz Storage: Primary Storage (OS) 1× NVMe M.2 SSD 2 TB PCIe Gen 5 Secondary Storage: Factory-configured second SSD: 2 TB NVMe SSD PCIe Gen 5 Display: 16–17" QHD (2560×1600/1440), ≥ 240 Hz, IPS or mini-LED, 100% sRGB (or better), G-SYNC/Adaptive Sync. Cooling: High-performance cooling (vapor chamber or equivalent) designed for sustained CPU+GPU loads (AI machine learning). Ports & Connectivity</p>	1	



		<p>I/O Ports 1*HDMI 2.2 3*USB-C with DisplayPort 1.4, preferably Thunderbolt 5 3*USB-A 3.2 Gen1/Gen2 1× Ethernet (RJ-45) – 2.5 GbE preferred 1× 3.5 mm audio jack (headset) 1× SD or microSD card reader (nice to have) Wireless Wi-Fi 6E or Wi-Fi 7 Bluetooth 5.2 or newer Requirement: Thunderbolt 4 (for Intel) or high-speed USB-C DP, HDMI 2.1, 2.5 GbE LAN, Wi-Fi 6E/7, BT 5.2+.</p> <p>7. Battery & Power Battery 90–99 Wh battery (max allowed in most regions is 99 Wh) Expect 4–6 hours light use (gaming will use adapter) Power Adapter High-wattage: 280–330 W adapter (depending on GPU TGP and CPU) Ideally not excessively large, but powerful enough to sustain full load Requirement: Battery close to 99 Wh and suitable high-wattage adapter (280–330 W).</p> <p>8. Audio & Webcam Audio Stereo speakers with decent output Support for Dolby Atmos / DTS:X (optional but nice) Webcam 1080p webcam with at least 30 fps With physical shutter or kill switch preferred</p>		
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Servers

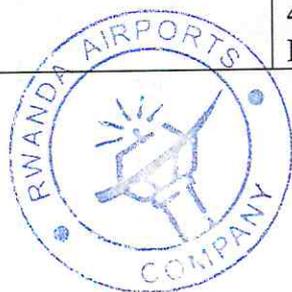
No	Item	Specifications	Qty	Unit price
1	Tier 1	<p>OS: Windows Server 2025 2U rack-mount server, dual-socket capable Redundant hot-swap PSUs, minimum 2 × 1.6 kW (80+ Platinum or Titanium) PCIe 5.0 expansion slots (for future NICs, GPUs, HBAs, etc.) 2 × Intel Xeon 6980P processors 128 cores per CPU Max Turbo Frequency: 3.9 GHz All Core Turbo Frequency: 3.2 GHz Processor Base Frequency: 2 GHz Cache: 504 MB Must support: DDR5, PCIe Gen 5, Intel SGX/TSX, Hardware-assisted virtualization (VT-x, VT-d). Memory: DDR5 ECC RDIMM, 4800 MT/s or higher Baseline: 1TB (i.e. 8 × 128 GB) Expandable to ≥ 2 TB (enough slots and controller support) Storage (Hybrid): Boot / Hypervisor: 2 × 960 GB enterprise NVMe SSD in RAID 1 Data / VM Storage: 8 × 3.84 TB NVMe U.2/U.3 SSDs in RAID 6 Enterprise endurance (≥ 1 DDPD) 2 × 18 TB Nearline SAS HDDs in RAID 1</p>	1	



		<p>Hardware RAID Network Onboard: 2 × 10GbE (SFP+ or 10GBase-T) 1 × 25GbE SFP28 (for storage/VM mobility/core network) Dedicated 1GbE management port (iDRAC/iLO/XCC equivalent) Fits standard 19" rack; rail kit included</p>		
2	Tier 2	<p>OS: Windows Server 2025 Standard Form Factor & Platform: 2U rack-mount, single-socket Intel Xeon 6 system Redundant 800–1200 W PSUs CPU: 2 × Intel Xeon 6 P-6979P 120 Cores and 240 threads per chip Max Turbo Frequency: 3.9 GHz All Core Turbo Frequency: 3.2 GHz Processor Base Frequency: 2.1 GHz Cache: 504 MB Must support: DDR5 and PCIe Gen 5 Memory DDR5 ECC RDIMM Baseline: 512 GB (4 × 128 GB) Scalable to 3 TB Storage (Hybrid) OS: 2 × 960 GB enterprise SATA or NVMe SSD in RAID 1 All-flash): 4 × 3.84 TB SSD in RAID 6 2 × 12 TB NL-SAS HDDs in RAID 1 Hardware RAID with cache Network Onboard:</p>	1	



		<p>2 × 1GbE 2 × 10GbE (SFP+ or 10GBase-T) via PCIe card Full remote management; TPM 2.0, Secure Boot Fits standard 19" rack; rail kit included</p>		
3	Tier 3	<p>Form Factor & Platform: OS: Windows Server 2025 Standard Compact 2U rack server CPU: 2 × Intel Xeon 6960P Total Cores: 72 Total Threads: 144 Max Turbo Frequency: 3.9 GHz All Core Turbo Frequency: 3.8 GHz Processor Base Frequency: 2.7 GHz Cache: 432 MB Memory DDR5 ECC Baseline: 256 GB Scalable to 3TB Storage (Hybrid) 2 × 1 TB SSD in RAID 1 (OS + data) 4 × 8 TB HDD in RAID 1 for extra file/archive storage Network: 2 × 1GbE NICs Basic remote management (KVM over IP / BMC) Fits standard 19" rack; rail kit included</p>	1	
4	Server Chip	Xeon 6980P	1	
5	Server Chip	Xeon 6979P	1	
6	Server Chip	Xeon 6972P	1	
7	Server Chip	Xeon 6960P	1	
8	Server Chip	Xeon 6952P	1	
9	Server Memory	256GB DDR5 5600MHZ PC5-44800 1.1V CL46 288-PIN ECC RDIMM	1	
10	Server Memory	64GB DDR5 5600MHZ PC5-44800 1.1V CL46 288-PIN ECC RDIMM	1	



11	Server Memory	32GB DDR5 5600MHZ PC5-44800 1.1V CL46 288-PIN ECC RDIMM	1	
12	RAID Controller	PCIe Gen 5 Compatible 56GB/s 8 * M.2 Ports 4 * MCIO Ports	1	

Tablets & Phones

No	Item	Specifications	Qty	Unit price
1	iPad Pro 13"	<p>Capacity: 1TB</p> <p>Chip: Apple M5 chip 10-core CPU with 4 or equivalent performance cores and 6 efficiency cores 10-core GPU Neural Accelerators Hardware-accelerated ray tracing 16-core Neural Engine 153GB/s memory bandwidth 16GB RAM Media Engine Hardware-accelerated 8K H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine AV1 decode</p> <p>Display: Ultra Retina XDR display Tandem OLED3 2752-by-2064-pixel resolution at 264 ppi ProMotion technology with adaptive refresh rates from 10Hz to 120Hz Wide color (P3) True Tone</p>	1	



	<p>Fingerprint-resistant oleophobic coating Fully laminated Antireflective coating Nano-texture display glass option on 1TB and 2TB models SDR brightness: 1000 nits max XDR brightness: 1000 nits max full screen, 1600 nits peak (HDR content only) 1 nit minimum brightness 2,000,000:1 contrast ratio</p> <p>Camera:</p> <p>12MP Wide camera, <i>f</i>/1.8 aperture Digital zoom up to 5x Five-element lens Adaptive True Tone flash Panorama (up to 63MP) Sapphire crystal lens cover Autofocus with Focus Pixels Smart HDR 4 Wide color capture for photos and Live Photos Advanced red-eye correction Photo geotagging Auto image stabilization Burst mode Image formats captured: HEIF and JPEG</p> <p>Video Recording:</p> <p>4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps 1080p HD video recording at 25 fps, 30 fps, or 60 fps 720p HD video recording at 30 fps ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 256GB storage) Audio zoom Adaptive True Tone flash</p>		
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		<p>Slo-mo video support for 1080p at 120 fps or 240 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (4K, 1080p, and 720p) Continuous autofocus video Playback zoom Video formats recorded: HEVC and H.264 Stereo recording</p> <p>TrueDepth Camera:</p> <p>Landscape 12MP Center Stage camera <i>f</i>/2.0 aperture Portrait mode with advanced bokeh and Depth Control Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono) Animoji and Memoji Smart HDR 4 1080p HD video recording at 25 fps, 30 fps, or 60 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (1080p and 720p) Wide color capture for photos and Live Photos Lens correction Retina Flash with True Tone Auto image stabilization Burst mode</p> <p>Video Calling:</p> <p>FaceTime video Center Stage</p>		
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		<p>iPad to any FaceTime-enabled device over Wi-Fi or cellular</p> <p>Share experiences like movies, TV, music, and other apps in a FaceTime call with SharePlay</p> <p>Screen sharing</p> <p>Portrait mode in FaceTime video</p> <p>Spatial Audio</p> <p>Voice Isolation and Wide Spectrum microphone modes</p> <p>Local capture</p> <p>Audio Calling:</p> <p>FaceTime audio</p> <p>Relay cellular calls from your nearby iPhone with the Phone app</p> <p>Speakers</p> <p>Four speaker audio</p> <p>Microphones</p> <p>Studio-quality four-mic array for calls, video recording, and audio recording</p> <p>Wireless:</p> <p>Apple N1 wireless networking chip</p> <p>Wi-Fi 7 (802.11be) with 2x2 MIMO6</p> <p>Simultaneous dual band</p> <p>Bluetooth 6</p> <p>Thread networking technology</p>		
2	iPad Pro 11"	<p>Capacity: 512GB</p> <p>Chip:</p> <p>Apple M5 chip or equivalent</p> <p>9-core CPU with 3 performance cores and 6 efficiency cores</p> <p>10-core GPU</p> <p>Neural Accelerators</p> <p>Hardware-accelerated ray tracing</p> <p>16-core Neural Engine</p>	1	



		<p>153GB/s memory bandwidth 12GB RAM Media Engine</p> <p>Hardware-accelerated 8K H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine AV1 decode</p> <p>Display:</p> <p>Ultra Retina XDR display Tandem OLED3 2420-by-1668-pixel resolution at 264 ppi ProMotion technology with adaptive refresh rates from 10Hz to 120Hz Wide color (P3) True Tone Fingerprint-resistant oleophobic coating Fully laminated Antireflective coating Nano-texture display glass option on 1TB and 2TB models SDR brightness: 1000 nits max XDR brightness: 1000 nits max full screen, 1600 nits peak (HDR content only) 1 nit minimum brightness 2,000,000:1 contrast ratio</p> <p>Camera:</p> <p>12MP Wide camera, <i>f</i>/1.8 aperture Digital zoom up to 5x Five-element lens Adaptive True Tone flash Panorama (up to 63MP) Sapphire crystal lens cover</p>		
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		<p>Autofocus with Focus Pixels Smart HDR 4 Wide color capture for photos and Live Photos Advanced red-eye correction Photo geotagging Auto image stabilization Burst mode Image formats captured: HEIF and JPEG</p> <p>Video Recording:</p> <p>4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps 1080p HD video recording at 25 fps, 30 fps, or 60 fps 720p HD video recording at 30 fps ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 256GB storage) Audio zoom Adaptive True Tone flash Slo-mo video support for 1080p at 120 fps or 240 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (4K, 1080p, and 720p) Continuous autofocus video Playback zoom Video formats recorded: HEVC and H.264 Stereo recording</p> <p>TrueDepth Camera:</p> <p>Landscape 12MP Center Stage camera <i>f</i>/2.0 aperture Portrait mode with advanced bokeh and Depth Control Portrait Lighting with six effects (Natural, Studio,</p>		
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	<p>Contour, Stage, Stage Mono, High-Key Mono) Animoji and Memoji Smart HDR 4 1080p HD video recording at 25 fps, 30 fps, or 60 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (1080p and 720p) Wide color capture for photos and Live Photos Lens correction Retina Flash with True Tone Auto image stabilization Burst mode</p> <p>Video Calling:</p> <p>FaceTime video Center Stage iPad to any FaceTime-enabled device over Wi-Fi or cellular Share experiences like movies, TV, music, and other apps in a FaceTime call with SharePlay Screen sharing Portrait mode in FaceTime video Spatial Audio Voice Isolation and Wide Spectrum microphone modes Local capture</p> <p>Audio Calling:</p> <p>FaceTime audio Relay cellular calls from your nearby iPhone with the Phone app Speakers Four speaker audio Microphones</p>		
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		<p>Studio-quality four-mic array for calls, video recording, and audio recording</p> <p>Wireless: Apple N1 wireless networking chip Wi-Fi 7 (802.11be) with 2x2 MIMO6 Simultaneous dual band Bluetooth 6 Thread networking technology</p>		
3	iPad Air 13"	<p>Capacity: 1TB</p> <p>Display:</p> <p>Liquid Retina display</p> <p>LED backlit Multi-Touch display with IPS technology 2732-by-2048-pixel resolution at 264 ppi Wide color (P3) True Tone Fingerprint-resistant oleophobic coating Fully laminated Antireflective coating 600 nits brightness</p> <p>Chip:</p> <p>Apple M3 chip 8-core CPU with 4 performance cores and 4 efficiency cores 9-core GPU Hardware-accelerated ray tracing 16-core Neural Engine 8GB RAM Media Engine</p> <p>Hardware-accelerated 8K HEVC, 4K H.264, ProRes, and ProRes RAW</p>	1	



		<p>Video decode engine or equivalent Video encode engine ProRes encode and decode engine AV1 decode</p> <p>Camera:</p> <p>12MP Wide camera, <i>f</i>/1.8 aperture Digital zoom up to 5x Five-element lens Panorama (up to 63MP) Sapphire crystal lens cover Autofocus with Focus Pixels Smart HDR 4 Wide color capture for photos and Live Photos Photo geotagging Auto image stabilization Burst mode Image formats captured: HEIF and JPEG</p> <p>Video Recording:</p> <p>4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps 1080p HD video recording at 25 fps, 30 fps, or 60 fps 720p HD video recording at 30 fps Slo-mo video support for 1080p at 120 fps or 240 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (4K, 1080p, and 720p) Continuous autofocus video Playback zoom Video formats captured: HEVC and H.264</p>	
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		<p>Front Camera:</p> <p>Landscape 12MP Center Stage camera <i>f</i>/2.0 aperture Smart HDR 4 1080p HD video recording at 25 fps, 30 fps, or 60 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (1080p and 720p) Wide color capture for photos and Live Photos Lens correction Retina Flash with True Tone Auto image stabilization Burst mode</p> <p>Video Calling:</p> <p>FaceTime video Center Stage iPad to any FaceTime-enabled device over Wi-Fi or cellular Share experiences like movies, TV, music, and other apps in a FaceTime call with SharePlay Screen sharing Portrait mode in FaceTime video Spatial Audio Voice Isolation and Wide Spectrum microphone modes</p> <p>Audio Calling:</p> <p>FaceTime audio iPad to any FaceTime-enabled device over Wi-Fi or cellular</p> <p>Speakers: Landscape stereo speakers</p>		
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		<p>Micro-phones: Dual microphones for calls, video recording, and audio recording</p> <p>Wireless: Wi-Fi 6E (802.11ax) with 2x2 MIMO5 Simultaneous dual band Bluetooth 5.3</p>		
4	iPad	<p>Capacity: 512GB</p> <p>Display: Liquid Retina display LED backlit Multi-Touch display with IPS technology 2360-by-1640-pixel resolution at 264 ppi True Tone 500 nits brightness Fingerprint-resistant oleophobic coating</p> <p>Chip: A16 chip 5-core CPU 4-core GPU 16-core Neural Engine</p> <p>Camera: 12MP Wide camera, <i>f</i>/1.8 aperture Digital zoom up to 5x Five-element lens Autofocus with Focus Pixels Panorama (up to 63MP) Smart HDR 4 Photo geotagging Auto image stabilization Burst mode Image formats captured: HEIF and JPEG</p>	1	



		<p>Video Recording:</p> <p>4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps 1080p HD video recording at 25 fps, 30 fps, or 60 fps 720p HD video recording at 30 fps or 60 fps Slo-mo video support for 1080p at 120 fps or 240 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Video image stabilization Cinematic video stabilization (1080p and 720p) Continuous autofocus video Playback zoom Video formats captured: HEVC and H.264</p> <p>Front Camera:</p> <p>Landscape 12MP Center Stage camera <i>f</i>/2.4 aperture Smart HDR 4 1080p HD video recording at 25 fps, 30 fps, or 60 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (1080p and 720p) Lens correction Retina Flash Auto image stabilization Burst mode</p> <p>Video Calling: FaceTime video Center Stage iPad to any FaceTime-enabled device over Wi-Fi or cellular</p>		
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		<p>Audio Calling: FaceTime audio iPad to any FaceTime-enabled device over Wi-Fi or cellular</p> <p>Speakers: Landscape stereo speakers</p> <p>Microphones: Dual microphones for calls, video recording, and audio recording</p> <p>Wireless: Wi-Fi 6 (802.11ax) with 2x2 MIMO Simultaneous dual band Bluetooth 5.3</p>		
5	iPad mini	<p>Capacity: 512GB</p> <p>Display: Liquid Retina display LED backlit Multi-Touch display with IPS technology 2266-by-1488 resolution at 326 ppi Wide color (P3) True Tone Fingerprint-resistant oleophobic coating Fully laminated Antireflective coating 500 nits brightness</p> <p>Chip: A17 Pro chip 6-core CPU with 2 performance cores and 4 efficiency cores 5-core GPU 16-core Neural Engine</p> <p>Camera: 12MP Wide camera, <i>f</i>/1.8 aperture</p>	1	



	<p>Digital zoom up to 5x Five-element lens True Tone flash Autofocus with Focus Pixels Panorama (up to 63MP) Smart HDR 4 Wide color capture for photos and Live Photos Advanced red-eye correction Photo geotagging Auto image stabilization Burst mode Image formats captured: HEIF and JPEG</p> <p>Video Recording:</p> <p>4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps 1080p HD video recording at 25 fps, 30 fps, or 60 fps 720p HD video recording at 30 fps True Tone flash Slo-mo video support for 1080p at 120 fps or 240 fps Time-lapse video with stabilization Extended dynamic range for video up to 30 fps Cinematic video stabilization (4K, 1080p, and 720p) Continuous autofocus video Playback zoom Video formats recorded: HEVC and H.264</p> <p>Front Camera:</p> <p>12MP Center Stage camera <i>f</i>/2.4 aperture Smart HDR 4 1080p HD video recording at 25 fps, 30 fps, or 60 fps Time-lapse video with stabilization</p>		
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		<p>Extended dynamic range for video up to 30 fps Cinematic video stabilization (1080p and 720p) Wide color capture for photos and Live Photos Lens correction Retina Flash with True Tone Auto image stabilization Burst mode</p> <p>Video Calling:</p> <p>FaceTime video Center Stage iPad to any FaceTime-enabled device over Wi-Fi or cellular</p> <p>Audio Calling:</p> <p>FaceTime audio iPad to any FaceTime-enabled device over Wi-Fi or cellular</p> <p>Speakers:</p> <p>Landscape stereo speakers</p> <p>Microphones:</p> <p>Dual microphones for calls, video recording, and audio recording</p> <p>Wireless: Wi-Fi 6E (802.11ax) with 2x2 MIMO4 Simultaneous dual band Bluetooth 5.3</p>		
6	Apple Pencil Pro or equivalent		1	
7	Apple Pencil (USB-C) or equivalent		1	
8	Magic Keyboard for iPad Pro 13-inch (M5) - Black		1	



9	Magic Keyboard for iPad Air		1	
10	Magic Keyboard Folio		1	
11	Apple 40W . Dynamic Power Adapter with 60W Max or equivalent		1	
12	Samsung Galaxy Tab S11 Ultra or equivalent	Capacity: 1TB Display: 14.6 inches Front Camera: 12 MP UW Rear Camera: 13 MP + 8 MP UW Connectivity: Wi-Fi 7	1	
13	Samsung Galaxy S10+ or equivalent	Capacity: 512 GB Display: 12.4 inches Front Camera: 12 MP UW Rear Camera: 13 MP + 8 MP UW	1	
14	Samsung Galaxy Tab S10 FE or equivalent	Capacity: 256GB Display: 10.9 inches LCD (2880 x 1800) Connectivity: Wi-Fi 6E	1	
15	Galaxy S Pen or equivalent		1	
16	Galaxy Book Cover Keyboard (Samsung Galaxy Tab S11 Ultra)		1	
17	Galaxy Book Cover Keyboard (Samsung Galaxy S10+)		1	
18	Galaxy Book Cover Keyboard (Samsung Galaxy Tab S10 FE)		1	
19	Samsung 25W PD Power Adapter with USB C Cable		1	
20	Surface Pro	Processor: Snapdragon X Plus (8 Core) NPU: Qualcomm Hexagon with 45 TOPS Graphics: Qualcomm Adreno GPU	1	



	<p>Memory: 24GB LPDDR5x RAM</p> <p>Storage: 1TB (UFS)</p> <p>Display:</p> <p>Touchscreen: 12-inch PixelSense LCD display² Resolution: 2196 x 1464 (220 PPI) Aspect ratio: 3:2 Contrast ratio: 1200:1 Refresh rate: up to 90Hz (60Hz default) Color profile: sRGB and Enhanced Individually color-calibrated display Adaptive color Adaptive contrast Touch: 10-point multi-touch Strengthened glass display Brightness: 400 nits maximum (typical) Anti-reflective, ISO 9241-307 certified¹⁴</p> <p>Cameras:</p> <p>Full HD front-facing Surface Studio Camera 1080p Full HD camera Support for Windows Studio Effects with automatic framing, portrait blur, creative filters (illustrated, animated, watercolor), eye contact, and portrait light 10 MP Ultra HD rear-facing camera Windows Hello face authentication camera with Enhanced Sign-in Security</p> <p>Audio:</p>		
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		<p>Dual Studio Mics with enhanced voice focus3 2W stereo speakers with Dolby Atmos18 Support for Bluetooth® LE Audio</p> <p>Ports and charging: 2 X USB-C / USB 3.2 ports with support for: Charging Data transfer DisplayPort 1.4a with support up to 2 x 4k monitors @ 60 Hz Surface Thunderbolt 4 Dock and other accessories Supports fast charging with minimum 45W charger via USB-C Surface Pro 12-inch Keyboard connector</p> <p>Network and connectivity: Wi-Fi 7 Bluetooth Core 5.4 technology</p>		
21	Surface Pro 10	<p>Processor: Intel Core Ultra 7 processor 165U NPU: Intel AI Boost Graphics: Intel® Graphics Memory: 32GB LPDDR5x Storage: 1TB</p> <p>Display:</p> <p>Touchscreen: 13 inch PixelSense™ Flow display17 Aspect ratio: 3:2 Contrast ratio: 1300:1 Refresh rate: up to 120Hz (Dynamic refresh rate supported) Color profile: sRGB and Vivid Individually color-calibrated display Adaptive color Touch: 10-point multi-touch</p>	1	



		<p>Dolby Vision™ IQ support18 Corning® Gorilla® Glass 5 Anti-reflective, ISO 9241-307 certified33 Brightness: SDR 600 nits maximum (typical)</p> <p>Cameras:</p> <p>Quad HD front-facing Surface Studio Camera 1440p Quad HD camera with ultrawide field of view Windows Studio Effects with automatic framing, eye contact, and background blur 10.5 MP Ultra HD rear-facing camera Windows Hello face authentication camera</p> <p>Audio:</p> <p>Dual Studio Mics with voice focus 2 W stereo speakers with Dolby Atmos Support for Bluetooth LE Audio</p> <p>Ports and charging:</p> <p>2 X USB-C with USB 4/Thunderbolt 4 with support for: Charging, Data transfer, DisplayPort 2.1 with support up to 1 x 8K monitor Supports fast charging with minimum 45W power supply via Surface Connect or USB-C6 Surface Connect port Surface Pro Keyboard port</p> <p>Network and connectivity:</p>		
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		<p>Wi-Fi 6E: 802.11ax compatible¹⁹ Bluetooth Wireless 5.3 technology</p>		
22	Surface Pro 10	<p>Processor: Intel Core Ultra 5 processor 135U NPU: Intel AI Boost Graphics: Intel® Graphics Memory: 16GB LPDDR5x Storage: 512GB</p> <p>Display:</p> <p>Touchscreen: 13 inch PixelSense™ Flow display¹⁷ Aspect ratio: 3:2 Contrast ratio: 1300:1 Refresh rate: up to 120Hz (Dynamic refresh rate supported) Color profile: sRGB and Vivid Individually color-calibrated display Adaptive color Touch: 10-point multi-touch Dolby Vision™ IQ support¹⁸ Corning® Gorilla® Glass 5 Anti-reflective, ISO 9241-307 certified³³ Brightness: SDR 600 nits maximum (typical)</p> <p>Cameras:</p> <p>Quad HD front-facing Surface Studio Camera 1440p Quad HD camera with ultrawide field of view Windows Studio Effects with automatic framing, eye contact, and background blur 10.5 MP Ultra HD rear-facing camera Windows Hello face authentication camera</p>	1	



		<p>Audio:</p> <p>Dual Studio Mics with voice focus 2 W stereo speakers with Dolby Atmos Support for Bluetooth LE Audio</p> <p>Ports and charging:</p> <p>2 X USB-C with USB 4/Thunderbolt 4 with support for: Charging, Data transfer, DisplayPort 2.1 with support up to 1 x 8K monitor Supports fast charging with minimum 45W power supply via Surface Connect or USB-C6 Surface Connect port Surface Pro Keyboard port</p> <p>Network and connectivity:</p> <p>Wi-Fi 6E: 802.11ax compatible Bluetooth Wireless 5.3 technology</p>		
23	Surface Pro 12-inch Keyboard with bold keyset		1	
24	Surface Pro 13-inch Flex Keyboard		1	
25	Surface Pro 13-inch Flex Keyboard with bold keyset		1	
26	Surface Slim Pen		1	
27	Surface Pen		1	
28	Microsoft Business Pen		1	
29	Surface USB4 Dock		1	
30	Surface Thunderbolt 4 Dock		1	
31	Surface Dock 2			



32	remarkable Paper Pro		1	
33	remarkable Paper Pro Book Folio		1	
34	remarkable Marker Plus		1	
35	iPhone	512 GB iPhone 17 Pro Max (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
36	iPhone	512 GB iPhone 17 Pro (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
37	iPhone	512 GB iPhone Air (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
38	Samsung	512 GB Fold 7 (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included. Protective cover, screen protector & wall charger MUST be included.	1	
39	Samsung	512 GB S25 Ultra (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
40	Samsung	512 GB S25+ (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	



41	Samsung	512 GB Galaxy Z Flip7 (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
42	Samsung	256 GB Galaxy S25 Edge (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
43	Samsung	256 GB Galaxy A56 5G (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
44	Samsung	128 GB Galaxy S25 FE (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
45	Samsung	128 GB Galaxy A36 5G (Replaced by the latest model in case the contract is extended) Protective cover, screen protector & wall charger MUST be included.	1	
46	Samsung	Samsung Tri-Fold 512 GB	1	

Software

No	Item	Specifications	Qty	Unit price
1	Microsoft OneDrive for Business	Per user/year	1	
2	Dropbox Business Box	Per user/year (Advanced)	1	
3	Microsoft 365 Business Premium	Per user/year	1	
4	Windows 11 Pro		1	
5	Microsoft Office 2024 Pro		1	



6	GitHub	Per user/year (Enterprise)	1	
7	GitHub Co-pilot	Per user/year (Pro+)	1	
8	Claude	Per user/year (Max)	1	
9	Claude	Per user/year (Team Premium Seat)	1	
10	Lack	Per user/year (Business)	1	
11	Chat GPT	Per user/year (Pro)	1	
12	Jira	Per user/year (Premium)	1	
13	Bitbucket	Per user/year (Premium)	1	
14	Compass	Per user/year (Premium)	1	
15	Rovo Dev	Per user/year (Standard)	1	
16	Team Viewer	Annual (TeamViewer Corporate)	1	
17	Any Desk	Annual (Advanced)	1	
18	Gamma AI Presentation	Per seat/year (Ultra)	1	
19	N8n	Per user/year (Pro)	1	
20	Grammarly	Per seat/year (Pro)	1	
21	Remarkable Connect Subscription	Per user/year (Business)	1	
22	Adobe	Per user/year (Acrobat Pro)	1	
23	Adobe	Per user/year (Acrobat Studio)	1	
24	Nitro Pro	Per user/year (Standard)	1	
25	Autodesk	Per user/year (Autodesk AutoCAD)	1	
26	Autodesk	Per user/year (Autodesk Civil 3D)	1	
27	Autodesk	Per user/year (Autodesk Revit)	1	
28	Autodesk	Per user/year (Autodesk AutoCAD LT)	1	
29	Autodesk	Per user/year (Autodesk BIM Collaborate Pro)	1	
30	Autodesk	Per user/year (Autodesk 3ds Max)	1	



31	Kaspersky	Per user/year (Kaspersky Premium)	1	
32	Kaspersky	Kaspersky for Exchange Server	1	
33	Kaspersky	Per user/year (Kaspersky Next EDR Optimum)	1	
34	Slack	Per user/year (Business+)	1	
35	SQL Server	SQL Server 2022 (Standard – server)	1	
36	Microsoft Planner	Per user/year (Planner and Project Plan 3)	1	
37	Microsoft Visio	Per user/year (Visio Plan 2)	1	
38	Microsoft 365 Co-pilot	Per user/year	1	
39	Mobile Device Management	Per device/year (All-in- one Bundle)	1	
40	Apyrse Xodo	Per user/year	1	
41	Apyrse Xodo Sign	Per user/year	1	
42	Apyrse Web Viewer: JavaScript Document SDK	Per user/year	1	
43	Apyrse Mobile	Per user/year	1	
44	Apyrse Server SDK	Per user/year	1	
45	Apyrse Fluent	Per user/year	1	
46	Cisco Webex	Per user/year Webex Suite Meet & Call	1	
47	Microsoft Teams	Per user/year Microsoft 365 Business Standard	1	
48	Adobe Photoshop	Per user/year (Creative Cloud Pro 20+ apps including Photoshop on desktop, web, and mobile, plus Adobe Firefly creative AI.)	1	
49	Adobe Premiere Pro	Per user/year (Premiere Pro on desktop and iPhone plus the Adobe Express Premium plan.)	1	
50	Final Cut Pro for Mac	Per user (one-time purchase)	1	
51	PRTG Network Monitor	Monitor multiple aspects of 1000 devices	1	



52	Ekahau AI Pro	Ekahau AI Pro Software License & Ekahau Connect Subscription (1yr)	1	
53	Ekahau Sidekick 2	Wi-Fi testing and measurement device optimized for 6 GHz, 5 GHz, and 2.4 GHz frequencies.	1	
54	SolarWinds Observability Self-Hosted	Per node, per year	1	
55	Cisco Catalyst Center	Per node, per year	1	
56	Fargo HID Asure ID Express 7	On premise license	1	
57	ArcGIS	Per user/year (Professional)	1	
58	Cursor AI	Per user/year (Pro+)	1	
59	Figma	Per user/year (Professional-Full seat)	1	
60	Material UI	Per user/year (Premium)	1	
61	Hootsuite	Per user/year (Advanced)	1	
62	Canva	Per user/year (Business)	1	
63	Mailchimp	Per user/year (Standard)	1	
64	CapCut	Per user/year (Pro)	1	
65	X Premium	Official X Account (Premium Business-Basic)	1	
66	Docker	Per user/year (Docker Team)	1	
67	Zoom	Per user/year (Zoom Workplace Pro)	1	
68	MatLab	Individual License (Perpetual)	1	
69	Qualys WAS	VMDR TruRisk ProtectIT TruRisk + Remediation + Anti-Virus	1	
70	Windows Server 2025	Standard Edition	1	
71	Windows Server 2025	Datacenter Edition	1	
72	VMWare		1	



Televisions

No	Item	Specifications	Qty	Unit price
1	Huawei IdeaHub ES3	<p>System OS: HarmonyOS (Built-in) & Windows CPU: 8 cores RAM: 12 GB Flash: 128 GB</p> <p>Built-in Camera Zoom: 5x Resolution: 4K 30 fps Lenses: 1 x wide-angle + 1 x telephoto TV distortion: < 2%</p> <p>Speaker: Frequency domain: 60 Hz to 20 kHz Number of units: 2 x tweeters + 2 x full-range speakers + 1 x woofer Total power: 70 W</p> <p>Microphone Frequency domain: 100 Hz to 20 kHz Sound pickup distance: 15 m</p>	1	
2	Smart TV 43" Screen	Crystal UHD DUX1E	1	
3	Smart TV 55" Screen	QLED QE1D	1	
4	Smart TV 65" Screen	QLED QEF1	1	
5	Smart TV 75" Screen	Neo QLED 4K QNX1D	1	
6	Smart TV 85" Screen	QLED QE1D	1	
7	Smart TV 98" Screen	QLED Q7F	1	
8	Smart TV 100" Screen	Neo QLED QN80F	1	



9	55" High Brightness Commercial LED Outdoor Display	OH55DX-S	1	
10	115" Supersized Signage QH115FX 4K Commercial Display	QHFX Supersized 4K 115"	1	
11	32" Commercial Display	OM32DX Series 32"	1	
12	Virtual Production Indoor LED Signage	P1.68 IVC	1	
13	98" Crystal UHD Digital Signage	QE98C	1	
14	LG LED All-in-One	LABB015	1	
15	Fixed TV Wall mount (32" to 47")		1	
16	Fixed TV Wall mount (47" to 65")		1	
17	Fixed TV Wall mount (65" to 85")		1	
18	Fixed TV Wall mount (85" to 110")		1	
19	Full-Motion TV Wall Mount (43" to 65")	Mount with Swivel and Tilt, Full Motion Bracket with Articulating Dual Arms	1	
20	Full-Motion TV Wall Mount (65" to 85")	Mount with Swivel and Tilt, Full Motion Bracket with Articulating Dual Arms	1	
21	Mobile TV Stand (50" to 120")	Max Load: 150 Kg Fit 200x200 - 1000x600 VESA patterns	1	
22	Universal Remote	Compatible with all major TV brands	1	
23	DSTV Remote			

Printers, Accessories & Consumables

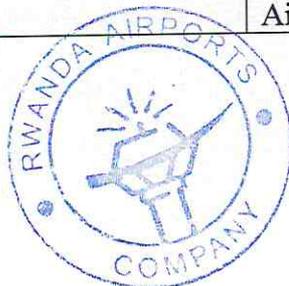
No	Item	Specifications	Qty	Unit price
1	Plotter	Printer Type: 5 Color36"/914mm Print Technology: Canon Bubblejet on Demand 6	1	



		<p>colours integrated type (6 chips per print head x 1 print head)</p> <p>Print Resolution: 2,400 x 1,200 dpi Number of Nozzles 15,360 nozzles MBK 5,120 nozzles, Other Colors 2,560 nozzles each) Line</p> <p>Accuracy±0.1% or less. User adjustments are necessary. Printing environment and media must match those used for the adjustments.</p> <p>CAD paper required: Plain paper, CAD tracing paper, coated paper, translucent matte film only</p> <p>Nozzle Pitch 1,200 dpi (2 lines) Ink Droplet Size minimum 5 pl per col Ink Capacity Sales Ink: 130ml/300ml Bundled Starter Ink: 130ml (Matte Black)/90ml (Black, Cyan, Magenta, Yellow) Ink Type Pigment inks - Black, Matte Black, Cyan, Magenta, Yellow OS Compatibility Microsoft Windows 32 Bit: Windows 10,11 64 Bit: Windows 10, 11 Server 2019, Server2022 Server 2025 Printer Languages SG Raster(Swift Graphic Raster), HP- GL2, HP RTL, JPEG(Ver. JFIF(Ver. JFIF Standard Interfaces USB B Port: Built-in Hi-Speed USB Ethernet: IEEE Ethernet: IEEE 802.3 10-base- T/IEEE802.3u100base-TX/IEEE 802.3ab</p>		
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	<p>1000base-T/IEEE802.3x Full Duplex Wireless LAN: IEEE802.11n/ IEEE802.11g/IEEE802.11b Standard Memory 2 GB Hard Drive Printing Speed CAD Drawing Plain Paper(A0 page size) 0:40 (Fast) Economy Mode) 0:46 (Fast) 14 (Standard) Poster Plain Paper(A0 page size)1:41 (fast) 1:18 (Standard) Coated Paper(A0 page size) 1:41(fast) 2:36 (standard) Media Handling Media Feed and Output Roll paper: One Roll, Upper- loading, Front Output Cut sheet: Upper- loading, Front Output(Manual feed using media locking lever) Media Width Roll paper: 203.2-917 mm Cut sheet: 203.2 - 917 mm Media Thickness Roll/Cut: 0.07 - Minimum Printable Length Roll paper: 203.2 mm Cut sheet 279.4 mm Maximum Printable Length Roll paper: 18 m (Varies according to the OS and application) Cut sheet: 1.6 m Maximum Media Roll Diameter 150 mm Media Core Size Internal diameter of roll core: 2 2/3" Margins Recommended area Roll paper Top: 20 mm, Bottom: 3 mm, Side: 3 mm Cut sheet: Top: 20 mm, Bottom: 20 mm, Side: 3 mm Margins Printable area Roll paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm Roll paper(borderless): Top: 0 mm, Bottom: 0 mm, Side: 0 mm Cut sheet for Apple AirPrint Only: Top: 3 mm,</p>		
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		<p>Bottom: 12.7 mm, Side: 3 mm Cut sheet for others: Top: 3 mm, Bottom: 20 mm, Side: 3 mm</p> <p>Media Feed Capacity Manually switchable by user</p> <p>Borderless Printing Width (Roll Only) 515mm(JIS B2), 728mm(BIS B1), 594mm(ISO A1), 841mm(ISO A0),10",14",1717",2 4",36"[Printable] 257mm(JIS B4),297mm(ISO A3), 329mm(ISO A3+),420mm(ISO A2), 8", 12",16",20", 30", 300mm, 500mm, 600mm, 800mm</p> <p>Maximum number of delivered prints Stand/Basket Standard position: 1 sheet Stand/Basket- Flat position: 20 sheets on A1 A2 landscape (excludes strong curled condition)</p>		
2	Xerox Phaser 3250	Xerox Phaser 3250	1	
3	HP LaserJet P4015n	64A/CC364A	1	
4	HP Officejet 6313 All-in-One	Black/129	1	
		Colour/135	1	
5	HP Color LaserJet CM2320fx	Black/CC530A	1	
		Cyan/CC531A	1	
		Magenta/CC533A	1	
		Yellow/CC532A	1	
6	HP Officejet K7103	Black:134	1	
		Color:130	1	
7	HP LaserJet M2727nf	53A/Q7553A	1	
8	HP LaserJet 3050	12A/Q2612A	1	
9	HP LaserJet M1212nf MFP	85A/CE285A	1	
10	HP LaserJet 1320	49A/Q5949A	1	
11	HP LaserJet 5200	16A/Q7516A	1	
12	HP LaserJet 1150	13A/Q2613A	1	
13	HP LaserJet Pro CM1415fn Colour MFP	Black:128/CE320A	1	
		Cyan:128/CE321A	1	
		Magenta:128/CE323A	1	



		Yellow:128/CE322A	1	
14	HP Officejet T45	Black: 45	1	
15	HP Colour LaserJet CP4525/647A	B: CE260A	1	
		C: CE261A	1	
		Y: CE262A	1	
		M: CE263A	1	
16	HP LaserJet P2055d	05A, CE505A	1	
17	HP OfficeJet 6500	B: 920XL	1	
		C: 920XL	1	
		M: 920XL	1	
		Y: 920XL	1	
18	HP OfficeJet 7500	B: 920XL	1	
		C: 920XL	1	
		Y: 920XL	1	
		M: 920XL	1	
19	HP LaserJet 2035	CE 505A Cartridge	1	
20	HP LaserJet P3015	55A	1	
21	HP LaserJet Pro MFP M476dn	Black: 312A/CF380A	1	
		Cyan: 312A/CF381A	1	
		Yellow: 312A/CF382A	1	
		Magenta: 312A/CF383A	1	
22	HP LaserJet Pro MFP M127	83A/CF283A	1	
23	HP LaserJet Enterprise M605	81A/CF281A	1	
24	HP Office Jet 7100 Series	Black: 932XL	1	
25	HP LaserJet Enterprise MFP M680	Black: 653A/CF320A	1	
		Cyan: 653A/CF321A	1	
		Yellow: 653A/CF322A	1	
		Magenta: 653A/CF323A	1	
26	HP LaserJet Enterprise 600 Printer M601 dn	90A/CE990A/CE390A	1	
		HP 71 80-ml Black Ink Cartridge (CZ133A)	1	
27	HP Office Jet 4500	Black: HP 901XL	1	
		Tri-Color: HP 901XL	1	
28	Canon Image RUNNER 1133	C-EXV 40 Toner	1	
29	HP LASERJET CP 5225	BLACK: 307/CE740A	1	
		CYAN: 307/CE741A	1	
		YELLOW: 307/CE742A	1	
		MAGENTA: 307/CE743A	1	
30	HP LASERJET PRO 500 COLOR MFP M570dn	BLACK: 507/CE400A	1	
		CYAN: 507/CE401A	1	
		YELLOW: 507/CE402A		



		MAGENTA: 507/CE403A	1	
		DRUM UNIT	1	
31	HP LaserJet Color Pro MFP M177	BLACK: 130A/CF350A	1	
		CYAN: 130A/CF351A	1	
		YELLOW: 130A/CF352A	1	
		MAGENTA: 130A/CF353A	1	
32	EPSON LX-300+II	EPSON RIBBON CARTRIDGE FOR LX-300+/II, dual pack	1	
33	LEXMARK E380dn	Lexmark E260X22G	1	
34	Kyocera Ecosys P6130	Kyocera: TK-5140K	1	
		Kyocera: TK-5140C	1	
		Kyocera: TK-5140M	1	
		Kyocera: TK-5140Y	1	
35	Xerox WorkCentre 7225	WorkCentre 7225 Black Toner Cartridge	1	
		WorkCentre 7225 Cyan Toner Cartridge	1	
		WorkCentre 7225 Yellow Toner Cartridge	1	
		WorkCentre 7225 Magenta Toner Cartridge	1	
36	HP Color LaserJet M553	Black: 508A/CF360A	1	
		Cyan: 508A/CF361A	1	
		Yellow: 508A/CF362A	1	
		Magenta: 508A/CF363A	1	
37	Dell C1760nw	Dell C1760NW Toner Cartridge Black	1	
		Cyan	1	
		Magenta	1	
		Yellow	1	
38	Epson Aculaser C2900	Black Toner Cartridges	1	
		Cyan Toner Cartridges	1	
		Yellow Toner Cartridges	1	
		Magenta Toner Cartridges	1	
39	Roller fixing	Printers	1	
40	Fixing unit /fixing feeder drive assembly	Printers	1	
41	Fixing film	Printers	1	
42	Bushing	Printers	1	
43	Bearing, ball	Printers	1	
44	Roller pressure	Printers	1	
45	Roller cleaning	Printers	1	
46	Collet, fixing roller	Printers	1	
47	Scanner	Printers	1	
48	Laser	Printers	1	



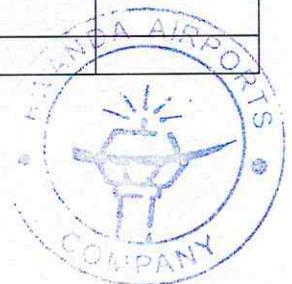
49	Roller sponge	Printers	1	
50	Roller feed	Printers	1	
51	Roller feeder	Printers	1	
52	Roller feeder	Printers	1	
53	Gear	Printers	1	
54	Motor	Printers	1	
55	Clutch	Printers	1	
56	Paper dock	Printers	1	
57	Reader assembly	Printers	1	
58	Developing assembly	Printers	1	
59	DC controller pcb assembly	Printers	1	
60	Paper delivery assembly	Printers	1	
61	Paper feeder assembly	Printers	1	
62	Control panel assembly	Printers	1	
63	Main drive assembly	Printers	1	
64	Sensor	Printers	1	
65	Roller cleaning belt	Printers	1	
66	Corona assembly	Printers	1	
67	Logical Card	Printers	1	
68	ITB (printer belt)	Printers	1	
69	Corona Transfer	Printers	1	
70	Power Supply	Printers	1	
71	Fargo HDP 5000e Printer		1	
72	Ribbon 084511 (500 Prints)		1	
73	Transfer Film 084500 (1500 Prints)		1	
74	Cleaning Kit for Fargo HDP 5000e		1	
75	Print head for Fargo HDP 5000e		1	
76	RFID Cards		1	
77	PVC Cards CR80		1	
78	Zebra Printer		1	
	Barcode Labels and Tags		1	
	Laser, Thermal Printable and RFID Wristbands		1	
	RFID Labels		1	
	Ribbons		1	
	Receipt Paper		1	



	Zebra Print head Cleaner		1	
	EZ Wipes Saturated Cleaning Wipes		1	
	Zebra 4" Cleaning Card, 25 Per Carton		1	
	Security Tags		1	
	Media		1	
	Zebra Printer License		1	

Photocopiers and Accessories

No	Item	Specifications	Qty	Unit price
1	Photocopy Canon IR3235N	Canon GPR-16 Toner	1	
2	Photocopy Canon IR3300	Canon GPR-6 Toner	1	
3	Photocopy Canon IR3035	Canon GPR-16 Toner & GPR-15/GPR-16 Universal	1	
4	Roller fixing	Photocopier	1	
5	Fixing unit /fixing feeder assembly drive	Photocopier	1	
6	Fixing film	Photocopier	1	
7	Bushing	Photocopier	1	
8	Bearing, ball	Photocopier	1	
9	Roller pressure	Photocopier	1	
10	Roller fixing	Photocopier	1	
11	Collar, fixing roller	Photocopier	1	
12	Scanner	Photocopier	1	
13	Laser	Photocopier	1	
14	Roller sponge	Photocopier	1	
15	Roller feed	Photocopier	1	
16	Roller feeder	Photocopier	1	
17	Roller feeder	Photocopier	1	
18	Gear	Photocopier	1	
19	Motor	Photocopier	1	
20	Clutch	Photocopier	1	
21	Paper dock	Photocopier	1	
22	Reader assembly	Photocopier	1	
23	Developing assembly	Photocopier	1	
24	DC controller pcb assembly	Photocopier	1	
25	Paper delivery assembly	Photocopier	1	



26	Paper feeder assembly	Photocopier	1	
27	Control panel assembly	Photocopier	1	
28	Main drive assembly	Photocopier	1	
29	Sensor	Photocopier	1	
30	Roller cleaning belt	Photocopier	1	
31	Corona assembly	Photocopier	1	
32	Power supply	Photocopier	1	
33	Drum Unit	Photocopier	1	

Assorted IT Equipment

No	Item	Specifications	Qty	Unit price
1	Camera	Sony Alpha 7 IV	1	
2	Camera Lens (Sony Alpha 7 IV)	Sigma 24-70mm f/2.8 DG DN II Art	1	
3	Camera Lens (Sony Alpha 7 IV)	Sony FE 16-35mm f/2.8 G Master II	1	
4	Camera Lens (Sony Alpha 7 IV)	Sony FE 70-200mm f/2.8 G Master OSS	1	
5	Camera Lens (Sony Alpha 7 IV)	Sigma 150-600mm f/5-6.3 DG DN OS Sports	1	
6	Camera Lens (Sony Alpha 7 IV)	Sony FE 50mm f/1.4 G Master	1	
7	Camera Lens (Sony Alpha 7 IV)	Sony FE 35mm f/1.4 G Master	1	
8	Camera	Canon EOS 5D Mark IV	1	
9	Camera Lens (Canon EOS 5D Mark IV)	Canon EF 24-70mm f/2.8L II USM	1	
10	Camera Lens (Canon EOS 5D Mark IV)	Sigma 14-24mm f/2.8 DG HSM Art	1	
11	Camera Lens (Canon EOS 5D Mark IV)	Canon EF 50mm f/1.8 STM	1	
12	Camera Lens (Canon EOS 5D Mark IV)	Canon EF 85mm f/1.4L IS USM	1	
13	Camera Lens (Canon EOS 5D Mark IV)	Canon EF 70-200mm f/2.8L IS III USM	1	
14	Camera Lens (Canon EOS 5D Mark IV)	Sigma 150-600mm f/5-6.3 DG OS HSM Contemporary	1	
15	Camera Lens (Canon EOS 5D Mark IV)	Canon EF 100mm f/2.8L IS USM	1	
16	Camera	Canon EOS R5 Mark II	1	
17	Camera Lens (Canon EOS R5 Mark II)	Canon RF 24-70mm f/2.8L IS USM	1	
18	Camera Lens (Canon EOS R5 Mark II)	Canon RF 15-35mm f/2.8L IS USM	1	



19	Camera Lens (Canon EOS R5 Mark II)	Canon RF 10-20mm f/4L IS STM	1	
20	Camera Lens (Canon EOS R5 Mark II)	Canon RF 35mm f/1.8 IS Macro STM	1	
21	Camera Lens (Canon EOS R5 Mark II)	Canon RF 50mm f/1.2L USM	1	
22	Camera Lens (Canon EOS R5 Mark II)	Canon RF 85mm f/1.2L USM	1	
23	Camera	Canon EOS R50	1	
24	Camera Lens (Canon EOS R50)	Canon RF-S 18-45mm f/4.5-6.3 IS STM	1	
25	Camera Lens (Canon EOS R50)	Canon RF-S 55-210mm f/5-7.1 IS STM	1	
26	Camera Lens (Canon EOS R50)	Canon RF-S 10-18mm f/4.5-6.3 IS STM	1	
27	Camera Lens (Canon EOS R50)	Canon RF-S 18-150mm f/3.5-6.3 IS STM	1	
28	Camera Lens (Canon EOS R50)	Canon RF 16mm f/2.8 STM	1	
29	Camera Lens (Canon EOS R50)	Canon RF 50mm f/1.8 STM	1	
30	Camera	Canon EOS 90D	1	
31	Camera Lens (Canon EOS 90D)	Canon EF-S 17-55mm f/2.8 IS USM	1	
32	Camera Lens (Canon EOS 90D)	Canon EF-S 10-18mm f/4.5-5.6 IS STM	1	
33	Camera Lens (Canon EOS 90D)	Canon EF-S 24mm f/2.8 STM	1	
34	Camera Lens (Canon EOS 90D)	Canon EF 50mm f/1.8 STM	1	
35	Camera Lens (Canon EOS 90D)	Canon EF 70-300mm f/4-5.6 IS II USM	1	
36	Camera Lens (Canon EOS 90D)	Canon EF-S 18-135mm f/3.5-5.6 IS USM	1	
37	Camera Lens (Canon EOS 90D)	Canon EF-S 18-135mm f/3.5-5.6 IS USM	1	
38	Camera	Canon EOS Rebel T7 DSLR	1	
39	Camera Lens (Canon EOS Rebel T7 DSLR)	EF-S 18-55mm f/3.5-5.6 IS II	1	
40	Camera Lens (Canon EOS Rebel T7 DSLR)	EF 75-300mm f/4-5.6 III	1	
41	Camera Microphone	Canon Stereo Microphone DM-E100	1	
42	Desktop Tripod	Tripod Grip HG-100TBR	1	
43	Camera Flash	Canon Speedlite EL-1	1	



44	Camera backpack	BP10	1	
45	Camera backpack	Messenger MS10	1	
46	Camera Shoulder Bag	EOS Shoulder Bag 200ES (Black)	1	
47	Memory Card	128 GB SanDisk Extreme PRO SDXC UHS-II V90	1	
48	Memory Card	64 GB SanDisk Extreme PRO SDXC UHS-II V90	1	
49	Remote Shutter Release	Canon Wireless Remote Control BR-E1	1	
50	Battery Grip	Canon BG-R20 Battery Grip	1	
51	Battery Grip	Canon BG-R20EP	1	
52	Battery Grip	Canon BG-E20	1	
53	Battery Grip	Canon BG-E14	1	
54	Battery Grip	Sony VG-C4EM.	1	
55	Camera Battery Charger	Canon LC-E6 charger	1	
56	Camera Battery Charger	Canon LC-E6E charger	1	
57	Camera Battery Charger	Canon LC-E6N charger	1	
58	Camera Battery Charger	Canon LC-E17 charger	1	
59	Camera Battery Charger	Canon LC-E10 charger	1	
60	Camera Battery Charger	Canon LC-E10E charger	1	
61	Camera Battery Charger	Sony BC-QZ1	1	
62	Camera Battery	Sony NP-FZ100	1	
63	Camera Battery	Canon LP-E6N	1	
64	Camera Battery	Canon LP-E6NH	1	
65	Camera Battery	Canon LP-E17	1	
66	Camera Battery	Canon LP-E10	1	
67	Projector	Projection System: Epson 3LCD, 3-chip technology Projection Method: Front/rear/ceiling mount Driving Method: Epson Poly-Silicon TFT Active Matrix Pixel Number: 2,073,600 dots (1920 x 1080) x 3 Color Brightness: Color Light Output: 4,600 lumens White Brightness: White Light Output: 4,600 lumens Aspect Ratio: 16:9 Native Resolution: Full HD (1920 x 1080) Resize Support: 16:10, 4:3 Light Source Type: Laser Light Source Life: Up to 20,000 hours (normal/quiet mode)	1	



		<p>Size: (Projected) 31" – 310" Keystone Correction Auto: Vertical: ±30 degrees Keystone Correction Manual: Horizontal: ±30 degrees Contrast Ratio: Up to 100,000:1 Color Reproduction: Up to 1.07 billion colors Projection Lens Type: Optical Zoom (manual)/Focus (manual) F-Number: 1.51 – 1.77 Focal Length: 18.2 mm – 29.1 mm Throw Ratio: 1.32 – 2.12 Interfaces: 2x HDMI Computer/Component Video: 1x D-Dub 15-Pin Composite Video: 1x RCA (Yellow) Audio In: 1x RCA (White, Red), 2x 3.5 mm Stereo Mini Audio Out: 1x 3.5 mm Stereo Mini 1x USB Connector Type-A: PC-Free USB, 5 V 2 A Power Supply 1x USB Connector Type-B: USB Plug'n Play RS-232 Ethernet (RJ-45) (Installation is a requirement)</p>		
68	Projector	<p>Projection System: RGB liquid crystal shutter projection system Projection Method: Front/rear/ceiling mount LCD Size: 0.67" (C2fine) Driving Method: Poly-Silicon TFT Active Matrix Pixel Number: 2,304,000 dots (1920 x 1200) x 3 Native Resolution: 1920 x 1200 (WUXGA) Resize 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050 Aspect Ratio: Supports 4:3, 16:10, 16:9, 16:6, 21:9</p>	1	



	<p>Pixel Arrangement: Cross stripe Color Brightness: Color Light Output: 5,200 lumens White Brightness: White Light Output: 5,200 lumens Contrast Ratio: Up to 2,500,000:1 Brightness Uniformity (Typical): 86% Color Reproduction: Up to 1.07 billion colors Size (Projected Distance): 50" – 500" Projected Distance: 80" screen 2.33 m – 3.78 m Lens Shift Vertical: ±50%; horizontal: ±20% Keystone Correction: Vertical: ±30 degrees; Horizontal: ±30 degrees Light Source: Laser Diode Laser Light Source Life: Normal: 20,000 hours; Quiet: 20,000 hours; Extended: 30,000 hours Projection Lens (Standard) Type: Optical Zoom (Manual/Focus (Manual) F-Number 1.5 – 1.7 Focal Length: 20.0 mm – 31.8 mm Zoom Ratio: 1.00 – 1.6x (Optical) Throw Rate Range: 1.35 – 2.20 (Optical) Lens Cover: Lens cap Interfaces: HDMI (HDCP 2.3) x 2 HDMI Out x 1 VGA x 2 Monitor Out: Mini D-Sub 15-pin x 1 HDBaseT x 1 Audio In: Mini Stereo x 2 Variable Audio Out: Mini Stereo x 1 USB Connector Type A x 1 USB Connector Type B x 1 Serial: RS-232C x 1 Wired LAN RJ-45 x 1</p>	
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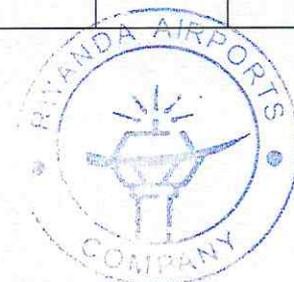
		Wireless LAN Built-in		
69	Supply and Installation of Projection Screen (Wall Mount Manual Pull-Down Projector Screen)	Tab-tensioned manual pull-down projection screen Size: 110" (16:9) Viewing Angle: 180° Gain: 0.9 Compatible Projection: Ultra Short Throw, Short Throw, Standard "Long" Throw	1	
70	Supply and Installation of Projection Screen (Wall Mounted Automatic Pull-Down Projector Screen with remote control)	Electric motorized projector screen with both front and rear-projection capabilities Infrared & Radio Frequency remote controls Wall box controller 12-volt trigger capability Size: 135" (16:9) Viewing Angle: 150° Gain: 0.8 Compatible Projection: Ultra Short Throw, Short Throw, Standard "Long" Throw Material Type: Rear Projection, 2-Directional Front/Rear	1	
71	Portable projection screen	Case dimensions: 5-7/8" high x 5-1/4" deep (15 cm x 13 cm). Maximum image: up to 96" x 96" (244 cm x 244 cm) Reinforced steel black carpeted case. Suspension slat saddle in all sizes Heavy-duty tripod	1	
72	Huawei IdeaHub S2 Controller		1	
73	Huawei IdeaHub S3 Controller		1	
74	HUAWEI CloudLink Mic 500 Omnidirectional Intelligent Mic Array		1	
75	Desktop Monitor Mounting Supports Adjustable Arm Monitor Desk Mount	Mounting Type: C-clamp or grommet mount Movement Type: Tilt, Swivel, Rotate, Height adjustment Material: Alloy Steel Color: Black	1	



		Compatible Devices: Monitors with sizes between 17 and 32 inches and VESA mounting patterns of 75x75 or 100x100mm Maximum Tilt Angle: 85 Degrees		
76	Desktop Monitor Mounting Supports Adjustable Arm Monitor Wall Mount	Mounting Type: Wall Mount Movement Type: Articulating, Swivel, Tilt, Rotate Material: Alloy Steel Color: Matt Black Compatible Devices: Monitors with sizes between 17 and 32 inches and VESA mounting patterns of 75x75 or 100x100mm Maximum Tilt Angle: 35 Degrees	1	
77	CMOS Battery		1	
78	Laptop Screen Extender Portable Monitor	Ultra Thin 14.2" 1080P FHD Lightweight Triple Screen, Portable Monitor for Laptops, Fit for 13-17" Laptop, Plug & Play Compatible with Win/Mac/Chrome/Android	1	
79	USB C Hub 5 in 1 Multiport Adapter	4K HDMI port 100W USB C PD port 5 Gbps USB A data port Two 480 Mbps USB A ports	1	
80	USB C Hub 7 in 1 Dock	5Gbps USB-C & USB-A data ports, 4K HDMI, 100W Power Delivery, and SD/Micro SD card reader.	1	
81	6 in 1 USB C Hub Gigabit Ethernet Adapter	4K@30Hz HDMI, gigabit ethernet, PD 100W charging and 3x USB-A 3.0.	1	
82	USB C to Ethernet Adapter	2.5G, Ethernet Adapter	1	
83	USB C to Ethernet Adapter	Plug and Play 1Gbps Ethernet Adapter	1	
84	Power Bank	25,000mAh 145W Laptop/Phone Portable Charger, Nexode 3-Port USB C PD Battery Pack	1	
85	Power Bank	Nexode Power Bank 20000mAh 145W PD 3.0 Portable Charger 72Wh Qi2 Certified 15W Wireless Fast Charging Magsafe Battery Pack 2C1A with TFT Display	1	



86	8K Fiber Optic HDMI Cable (10 Meters)	48Gbps Ultra High Speed Long HDMI 2.1 Cord Braided 8K@60Hz 4K@120Hz HDR10/HDCP2.2&2.3/eARC/3D	1	
87	8K Fiber Optic HDMI Cable (20 Meters)	48Gbps Ultra High Speed Long HDMI 2.1 Cord Braided 8K@60Hz 4K@120Hz HDR10/HDCP2.2&2.3/eARC/3D	1	
88	8K Fiber Optic HDMI Cable (30 Meters)	48Gbps Ultra High Speed Long HDMI 2.1 Cord Braided 8K@60Hz 4K@120Hz HDR10/HDCP2.2&2.3/eARC/3D	1	
89	8K Fiber Optic HDMI Cable (50 Meters)	48Gbps Ultra High Speed Long HDMI 2.1 Cord Braided 8K@60Hz 4K@120Hz HDR10/HDCP2.2&2.3/eARC/3D	1	
90	8K HDMI 2.1 Cable (2 Meters)	10K Ultra High Speed HDMI Cord 4K 240Hz 48Gbps HDCP 2.2&2.3 eARC HDR Dolby	1	
91	8K HDMI 2.1 Cable (3 Meters)	10K Ultra High Speed HDMI Cord 4K 240Hz 48Gbps HDCP 2.2&2.3 eARC HDR Dolby	1	
92	8K HDMI 2.1 Cable (5 Meters)	10K Ultra High Speed HDMI Cord 4K 240Hz 48Gbps HDCP 2.2&2.3 eARC HDR Dolby	1	
93	Electric Standing Desk	1.8 * 0.8 Meters Memory Height Adjustment Black Top Black Frame Minimum Height: 2.43 Feet Number of Height Positions: 4 Base Material: Alloy Steel Frame Material: Steel	1	
94	USB HDD adapters	Desktop-SATA/IDE	1	
95	Internal Hard Drive HDD (1TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
96	Internal Hard Drive HDD (2TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
97	Internal Hard Drive HDD (4TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
98	Internal Hard Drive HDD (6TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
99	Internal Hard Drive HDD (8TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
100	Internal Hard Drive HDD (10TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	



101	Internal Hard Drive HDD (12TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
102	Internal Hard Drive HDD (12TB)	7200 RPM, SATA 6 Gb/s, 512 MB Cache, 3.5"	1	
103	SSD Drive (1TB)	MLC V-NAND Technology, SATA III 6 Gb/s Interface, Up to 530 MB/s Sequential Write Speed, Up to 560 MB/s Sequential Read Speed	1	
104	SSD Drive (2TB)	MLC V-NAND Technology, SATA III 6 Gb/s Interface, Up to 530 MB/s Sequential Write Speed, Up to 560 MB/s Sequential Read Speed	1	
105	SSD Drive (4TB)	MLC V-NAND Technology, SATA III 6 Gb/s Interface, Up to 530 MB/s Sequential Write Speed, Up to 560 MB/s Sequential Read Speed	1	
106	SSD Drive (8TB)	MLC V-NAND Technology, SATA III 6 Gb/s Interface, Up to 530 MB/s Sequential Write Speed, Up to 560 MB/s Sequential Read Speed	1	
107	SSD Drive (16 TB)	MLC V-NAND Technology, SATA III 6 Gb/s Interface, Up to 530 MB/s Sequential Write Speed, Up to 560 MB/s Sequential Read Speed	1	
108	Wireless Mouse	Logitech M330 SILENT Wireless Mouse, 2.4GHz with USB Receiver, Optical Tracking, Quiet & Lightweight, Long Battery Life, for PC, Mac, Laptop, Chromebook - Black	1	
109	Wireless Mouse	Logitech MX Master 3S Wireless Mouse Standard Edition with Logi Bolt USB Receiver, Ultra-fast Scrolling, Ergo, 8K DPI, Track on Glass, Quiet Clicks, USB-C, Bluetooth, Windows, Linux, Chrome - Graphite	1	
110	Wireless Keyboard	Logitech K270 Wireless Keyboard for Windows, 2.4 GHz Wireless, Full-Size, Number Pad, 8 Multimedia Keys, 2-Year Battery	1	



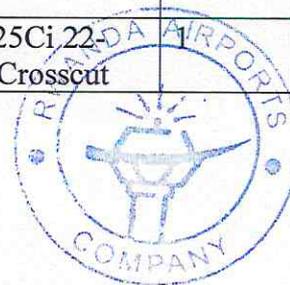
		Life, Compatible with PC, Laptop, Black		
111	Wireless Keyboard	Logitech MX Keys S Wireless Keyboard, Low Profile, Fluid Precise Quiet Typing, Programmable Keys, Backlighting, Bluetooth, USB C Rechargeable, for Windows PC, Linux, Chrome, Mac - Graphite	1	
112	Wired Mouse	Logitech Signature Wired M520 L for Business, Optical Wired Mouse, USB-C Plug-and-Play, Windows/Mac/Chrome/PC/laptops - Graphite	1	
113	Wired Keyboard	Logitech Signature Slim Wired K620 for Business, Full-Size Keyboard, USB-C Plug-and-Play, Laptop-Style, Scissor Keys, Windows/Mac/Chrome/PC/laptops - Graphite	1	
114	USB-C External DVD/CD Writer		1	
115	SATA /PATA Data cable		1	
116	Wi-Fi Dongles	WiFi Adapter for Desktop PC, AX900 USB WiFi 6 Adapter with 5GHz/2.4GHz Dual Band, Built-in Driver for Windows 10/11	1	
117	External Hard Disk (1TB)	2.5 Inches HDD WD My Passport Ultra Portable External Hard Drive Backup software with defense against ransomware, password protection, USB-C, and USB 3.1 compliant Password protection with 256-bit AES hardware encryption	1	
118	External Hard Disk (2TB)	2.5 Inches HDD WD My Passport Ultra Portable External Hard Drive Backup software with defense against ransomware, password protection, USB-C, and USB 3.1 compliant Password protection with 256-bit AES hardware encryption	1	



119	External Hard Disk (4TB)	2.5 Inches HDD WD My Passport Ultra Portable External Hard Drive Backup software with defense against ransomware, password protection, USB-C, and USB 3.1 compliant Password protection with 256-bit AES hardware encryption	1	
120	External Hard Disk (5TB)	2.5 Inches HDD WD My Passport Ultra Portable External Hard Drive Backup software with defense against ransomware, password protection, USB-C, and USB 3.1 compliant Password protection with 256-bit AES hardware encryption	1	
121	External Hard Disk (6TB)	2.5 Inches HDD WD My Passport Ultra Portable External Hard Drive Backup software with defense against ransomware, password protection, USB-C, and USB 3.1 compliant Password protection with 256-bit AES hardware encryption	1	
122	External Solid State Drive (1TB)	2.5 Inches SSD SanDisk Extreme PRO Portable SSD - Up to 2000MB/s - USB-C, USB 3.2 Gen 2x2, IP65 Water and Dust Resistance Hardware Encryption	1	
123	External Solid State Drive (2TB)	2.5 Inches SSD SanDisk Extreme PRO Portable SSD - Up to 2000MB/s - USB-C, USB 3.2 Gen 2x2, IP65 Water and Dust Resistance Hardware Encryption	1	
124	External Solid State Drive (4TB)	2.5 Inches SSD SanDisk Extreme PRO Portable SSD - Up to 2000MB/s - USB-C, USB 3.2 Gen 2x2, IP65 Water and Dust Resistance	1	



		Hardware Encryption		
125	4 Port Hub USB 2.0 KVM + Keyboard Mouse Monitor VGA/SVGA Switcher Switch Box		1	
126	USB Analog TV Tuner with MPEG Video Capture DVR Recorder		1	
127	PCIe Network Card	2.5 Gigabit Ethernet Network Adapter, Supports Windows 11/10/8.1/8/7, Win Server 2022/2019/2016, Linux	1	
128	Direct Attached Storage (132TB)	Storage: 132 TB Hot Swappable 6 hard drives Support up to 6 x 3.5" and 2.5" SATA HDD, as well as 2.5" SATA SSD, with a maximum capacity of 22TB per drive, providing users with 132TB (22TB x 6) USB 3.2 Gen 2 protocol for high- speed data transmission up to 10 Gbps. Plug and Play	1	
129	Direct Attached Storage (270TB)	Storage: 270 TB Hot Swappable 9 Independent Power Supply for 9 Drives with a master power switch Support up to 9 x 3.5" and 2.5" SATA HDD, as well as 2.5" SATA SSD, with a maximum capacity of 30TB per drive, providing users with 270TB (30TB x 9) USB 3.2 Gen2 protocol for high- speed data transmission up to 10Gbps. Plug and Play	1	
130	Paper Shredder (Occasional use)	Fellowes Powershred 99Ci 18- Sheet 100% Jam-Proof Heavy Duty Crosscut Paper Shredder Machine for Office	1	
131	Paper Shredder (Heavy Duty)	Fellowes Powershred 225Ci 22- Sheet 100% Jam-Proof Crosscut		



		Paper Shredder Commercial Grade for Office Crosscut Document Shredder: Accommodate up to 22 sheets of paper at a time and also shred staples, credit cards, paper clips, CDs/DVDs, and junk mail Ultra-Secure Shredding: Tears paper into 397 5/32" x 1-1/2" cross-cut particles for enhanced security; Level P-4 security grade		
132	2 Port DVI VGA Dual Monitor KVM Switch USB with Audio & USB 2.0 Hub		1	
133	PC/Laptop Blower	WOLFBOX MF50 Compressed Air Duster-110000RPM Super Power Electric Air Duster, 3-Gear Adjustable Mini Blower with Fast Charging, Dust Blower for Computer & Keyboard	1	
134	Keyboard Cleaning Kit	Keyboard Cleaning Kit Laptop Cleaner, 10-in-1 Computer Screen Cleaning Brush Tool, Multi-Function PC Electronic Cleaner Kit Spray for iPad iPhone Pro, Earbuds, Camera Monitor, All-in-one with Patent	1	
135	Insta360 Flow		1	
136	DJI Osmo 360		1	
137	DJI Osmo Mobile 7P		1	
138	DJI Osmo Pocket 3		1	
139	DJI Osmo Mobile 8		1	
140	DJI RS 4		1	
141	DJI RS4 Mini		1	
142	DJI RS 4 Pro		1	
143	DJI Neo		1	
144	DJI Neo 2		1	
145	DJI Flip		1	
146	DJI Avata 2		1	
147	DJI FPV		1	
148	DJI Osmo Action 6		1	
149	DJI Mini 5 Pro		1	
150	DJI Air 3S		1	
151	DJI Mavic 4 Pro		1	



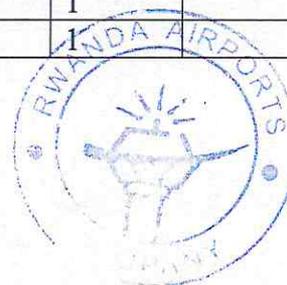
152	DJI Matrice 400		1	
153	GoPro HERO13 Black		1	
154	GoPro HERO13 Black Ultra Wide Edition		1	
155	GoPro HERO13 Black Creator Edition		1	
156	GoPro Max		1	
157	GoPro Max2		1	
158	GoPro Hero		1	
159	GoPro Lit Hero		1	
160	HDMI Extender over CAT cable	4K HDMI over Ethernet Extender Over CAT5/CAT6/CAT7, with IR Upto 164 Feet - Loop Out - 4K @ 30Hz 1080P Full HD Signal Distribution	1	
161	HDMI to VGA Adapter	HDMI Male To VGA Female Converter	1	
162	HDMI to VGA Adapter	HDMI Male to VGA Male Uni- Directional Braided Cord	1	
163	Laptop Stand	Up to 7 inches of height adjustment The laptop riser should accommodate tablets and laptops from 10 to 17.3 inches Should be crafted from lightweight, rust-resistant aluminum with a loading capacity of 11 lbs (5 kgs), featuring non- slip silicone pads and protective hooks to securely hold your laptop in place Large hollow design to facilitate superior airflow and heat dissipation Should weigh no more than 0.7 Kg	1	
164	External Computer Speakers	Logitech Z207 2.0 Stereo Computer Speakers with Bluetooth	1	
165	External Computer Speakers	Fluance Ri71	1	
166	External Computer Speakers	Audioengine A5+ Wireless	1	
167	External Computer Speakers	Creative Pebble Pro (With wall adapter)	1	
168	Bluetooth Speakers	JBL Boombox 4	1	
169	Bluetooth Speakers	Ultimate Ears EPICBOOM	1	



170	Bluetooth Speakers	JBL Authentics 500	1	
171	Bluetooth Speakers	JBL PartyBox 310	1	
172	Bluetooth Speakers	JBL Flip 7	1	
173	Bluetooth Speakers	Bose SoundLink Max	1	
174	Bluetooth Speakers	JBL Go 4	1	
175	Wired Headphone	Sennheiser HD 800 S	1	
176	Wired Headphone	HiFiMan Arya Stealth Magnet Version	1	
177	Wired Headphone	Sennheiser HD 490 PRO	1	
178	Wired Headphone	Sennheiser HD 560S	1	
179	Wired Headphone	Philips SHP9500	1	
180	Wired Headphone	Sony MDR-M1	1	
181	Wired Headphone	Audio Technica ATH-R30x	1	
182	Wireless Headphone	Sony WH-1000XM6	1	
183	Wireless Headphone	Sony WH-1000XM4 Wireless	1	
184	Wireless Headphone	Apple AirPods Pro 3	1	
185	Wireless Headphone	Bose QuietComfort Ultra Headphones (2nd Gen)	1	
186	Wireless Headphone	Apple AirPods Max	1	
187	Wireless Headphone	Bose QuietComfort Ultra Earbuds (2nd gen)	1	
188	Wireless Headphone	Beats Powerbeats Pro 2	1	
189	Wireless Headphone	Sennheiser Momentum 4 Wireless	1	
190	Desktop Webcam	Obsbot Tiny 2	1	
191	Desktop Webcam	Obsbot Tiny SE	1	
192	Desktop Webcam	Dell Pro Webcam	1	
193	Desktop Webcam	Logitech MX Brio	1	
194	Desktop Webcam	Logitech StreamCam	1	
195	Desktop Webcam	Insta360 Link 2C	1	
196	Wired Headphone/Mic Combo for presentations	Jabra Evolve2 85 UC	1	
197	Wired Headphone/Mic Combo for presentations	Jabra Evolve2 30	1	
198	Toolkit	iFixit Pro Tech Toolkit	1	
199	Toolkit	iFixit Manta Driver Kit	1	
200	Toolkit	iFixit Essential Electronics Toolkit	1	
201	Micro SD	Silicon Power A1 (1TB)	1	
202	Micro SD	Teamgroup Elite A1 (1TB)	1	
203	Micro SD	Lexar Professional Silver Plus (512GB)	1	
204	Micro SD	Samsung Pro Plus (512GB)	1	
205	USB Microphone	DJI Mic 2 (2 TX + 1 RX + Charging Case), Wireless Lavalier	1	



		Microphone, Intelligent Noise Cancelling, 32-bit Float Internal Recording, 820 ft.(250m) Range, Microphone for iPhone, Android, Camera		
206	Cables USB-C to USB-C	100W Fast Charging: Support 100W fast charging with PD3.0 and QC3.0 technology Backwards compatible with 65W/45W/30W/20W chargers Smart Chip Protection: The USB-C to USB-C cable has a built-in E-marker smart chip that intelligently matches the required current and increases charging efficiency by 80% while increasing stability by 90% compared to 60W charging cables Durable Braided Design: The 100W USB-C charger cable should have aluminum housing, nylon braiding, and 250d fiber core, which keeps the cable from fraying or splitting while exposed to over 10,000 ninety-degree bends or turns Super Fast Data Transfer: This type c data cable should transfer data at up to 480Mbps to quickly transfer 1GB files in less than a minute	1	
207	USB Serial Cable		1	
208	Serial To USB Cable Converter		1	
209	Extension power cables		1	
210	External CD/DVD Drive	USB-C	1	
211	Laptop battery		1	
212	Laptop screen		1	
213	USB Hard Disk Adapters	SATA/IDE	1	
214	RFID PC Reader		1	
215	RFID Handheld Reader		1	
216	ID Slot Punch		1	
217	Lanyard		1	
218	Badge Holders			



219	Signature Pad	Wacom STU-430	1	
220	Tripod Stand		1	
221	Measuring Tape		1	
222	Folding Ladder		1	
223	Cleaners, Degreasers & Encapsulating Compounds		1	
224	Sealing Tape		1	
225	Scotch Tape		1	
226	Double Coated Tape	3M 9740	1	
227	Heavy Duty Spray Adhesive 20	3M	1	
228	Masking Tapes		1	
229	Insulating Tape		1	
230	Drilling Machine Makita HR2470 type		1	
231	Grinding Machines HILTL T 5		1	
232	Metal cutter tool		1	
233	Metal cutter torch		1	
234	Black & Decker A7073 Battery Powered Screwdriver Set		1	
235	Magnetic Precision Screwdriver Tool Set		1	
236	Digital Multimeter		1	
237	Bosch GSB 10 RE Professional Tool Kit		1	
238	Drill Machine Cordless Screwdriver Machine 12V Li-ion /2PC Battery/Charger		1	
239	Bosch GSR 1800-LI Professional Cordless Drill Driver /2PC Battery/Charger		1	
240	DC 21V Cordless Drill Electric Drill Driver Lithium-Ion Battery Screwdriver		1	
241	Drilling Machine /2PC Battery/Charger		1	
242	The Coolio ASRPB-185 Assorted Screws and Nylon Plugs Set		1	



243	Generic 11 in 1 19-64Mm Metal Alloys Wood Hole Saw Cutting Set Kit		1	
244	Digital/Craft HUGGFP2 11 Piece Hole Saw Cutting Set Kit 19 64 mm		1	
245	Wood, Boards, Plastic and Soft thin Metal		1	
246	Standard Hack Saw		1	
247	Coaxial Cable Connectors		1	
248	RG11 Coaxial Connectors		1	
249	RG6 F-Type Coaxial Cable RF Connector		1	
250	BNC F-TYPE RCA Adapter Connector Coupler Male		1	
251	Female Crimp Twist Barrel RG59 RG6		1	
252	CDL Micro F Type Connector Satellite Cable Female Female Coupler /Jointer		1	
253	Coaxial Cables (100M)		1	
254	BNC Connector		1	
255	Coaxial Connector		1	
256	RCA		1	
257	Standard Digital Boxes		1	
258	HD Digital Boxes		1	
259	High Definition MPEG2 Encoder		1	
260	Signal Level Meter		1	
261	6 Channel SD Encoder / QAM Modulator		1	
262	Coax Jumper Cable		1	
263	2 Way 1 GHz Topless Splitter		1	
264	Directional Tap, 2 Output, Solder Back		1	
265	HDMI Repeater		1	
266	VGA to Composite Video Converter		1	



267	HDMI 1x2 Splitter		1	
268	Plug in Attenuator Pad		1	
269	HDMI 1x4 Splitter		1	
270	3G SDI to HDMI Converter with Auto Video		1	
271	HDMI 4x1 Switcher		1	
272	2HDMI to YPBPR/VGA Converter		1	
273	HDMI to 3G SDI Converter		1	
274	HDMI 4x4 Matrix		1	
275	500 Splice Connector for Comm scope P3 & TFC T10		1	
276	4 Way 1 GHz Horizontal Splitter		1	
277	3 Way 1 GHz Topless Balanced Splitter		1	
278	3 Way Balanced 1 GHz Vertical Splitter		1	
279	3 Way Balanced 1 GHz Horizontal Splitter		1	
280	16 Way 1 GHz Vertical Splitter		1	
281	Female Splice Connectors with Nuts & Washers, Bags of 10, 25, 100		1	
282	Screwdrivers SFE make		1	
283	Complete tool set		1	
284	Pliers of any type SFE make		1	
285	Allen Key set - hexagonal facom		1	
286	Allen Key set - special facom		1	
287	IP Equipment (Switch) 3M™ AT9000 Full		1	
288	Page Passport Scanner with Authentication		1	
289	Boarding Pass Scanner		1	
290	Raspberry PI 500+		1	



291	Raspberry Pi 500 Desktop Kit		1	
292	Raspberry RP2350 microcontroller		1	
293	Raspberry cover		1	
294	Continuous rotation servo		1	
295	4 X AA battery holder		1	
296	2 x AA battery pack		1	
297	SPST toggle switch		1	
298	3 x AA battery holder		1	
299	DPD toggle switch		1	
300	Standard servo		1	
301	PING ultrasonic distance sensor		1	
302	M-type power plug		1	
303	SPST lever switch		1	
304	Photocell		1	
305	Selfie stick		1	
306	Adafruit Audio Amplifier Module		1	
307	12" servo extension cable		1	
308	DFRobot DTMF shield		1	
309	5/16" shaft collar		1	
310	1/4-20 x 7/8" by 1-1/4" base sliders		1	

Networking Equipment

	Network Rack (Supply and Installation)	Specifications	Qty	Unit price
1	4U Rack		1	
2	6U Rack		1	
3	9U Rack		1	
4	12U Rack		1	
5	16U Rack		1	
6	22U Rack		1	
7	27U Rack		1	
8	32U Rack		1	
9	42U Rack		1	
10	19 Inch Rack		1	
	Rack Accessories		1	



11	Rackmount Shelves			
12	LCD Monitor/Keyboards			
13	Angle Brackets			
14	Standoff Rack Brackets			
15	Rack Fans and Filter			
16	Power Distribution Unit (PDU)			
17	Rack Mount Hardware Kits			
18	Cage Nuts and Clip Nuts			
19	Rack Screws			
20	KVM Switch	Dell Digital KVM over IP Switch 32 port KVM switch Number of Computers Supported: 32	1	
21	KVM Switch	Tripp Lite 8-Port Console KVM Switch w/ 19"LCD & 8PS2 /USB Combo Cables	1	
22	KVM Switch	TESmart KVM Switch 8Port HDMI 4K 30Hz Ultra HD Enterprise grade	1	
23	Rack Cable Management		1	
24	Fiber/ Cable spools		1	
25	Short Power Cords		1	
26	Rack Mounting Brackets		1	
27	Rack hardware Variety Packs		1	
28	Smart UPS 15 KVA		1	
29	Smart UPS 3 KVA		1	
30	Smart UPS 1.5 KVA		1	
31	Smart UPS 450 VA -1U Rackmount /Tower		1	
32	Smart -ups 750 VA LCD RM 2U		1	
33	APC Smart-UPS 1500 VA LCD RM 2U With Network Card		1	
34	Smart UPS 20 KVA		1	
35	Surge Protective Device (SPD) SL 300/SR300 Series		1	
	Network Equipment and Software		1	



36	Cisco FPR1010	Firepower Threat Defense (FTD) for advanced Layer 7 NGFW capabilities.	1	
37	Cisco FPR2110	Firepower Threat Defense (FTD) for advanced Layer 7 NGFW capabilities.	1	
38	Cisco FPR1150	Firepower Threat Defense (FTD) for advanced Layer 7 NGFW capabilities.	1	
39	High-End Virtualization Server 12- Core 144GB RAM 12TB RAID Dell PowerEdge R710		1	
40	PowerEdge T30 Mini Tower Server	Form factor: Mini tower Processor: Intel Xeon processor E3-1225 v5 Processor sockets: 1 Cache 8MB cache on Intel Xeon E3-1225 v5 Chipset: Intel C236 Memory: 64GB DDR4 2133MT/s I/O slots: 1 PCIe x16 3.0 1 PCIe x16 3.0 (x4 speed) 1 PCIe x4 3.0 1 PCI RAID controllers Software RAID: Intel Rapid Storage Controller 12.0 (supports SATA 6Gb/s or SATA 3Gb/s) Hard drives: 4 total SATA HDDs at 4 TB each Optical drive SATA DVD +/- RW	1	



		Embedded NIC: Intel I219-LM GbE LAN 10/100/1000 1- port Power supply: 290W Availability Error Correction Code (ECC) memory Software RAID Systems management: Intel AMT		
41	Dell Storage MD1400 Enclosure		1	
42	48 Port POE Fully Managed Switch	Cisco C9200-48P	1	
43	24 Port POE Fully Managed Switch	Cisco C9200-24P	1	
44	48 Port POE Smart Switch	Cisco C9300-48H	1	
45	24 Port POE Smart Switch	Cisco C9300-24H	1	
46	48 Port POE Smart Switch	Cisco C1300-48FP-4X	1	
47	24 Port POE Smart Switch	C1300-24FP-4X	1	
48	Managed 16 Port POE Switch	Cisco C1300-16FP-2G	1	
49	24 Port Switch Plain Unmanaged	Cisco CBS110-24PP	1	
50	16 Port Switch Unmanaged	Cisco CBS110-16PP	1	
51	8 Port Switch Unmanaged	Cisco CBS110-8PP-D	1	
52	Managed 8-Port 10/100/1000-T with 2-Slot SFP (100/1000/2.5Gbps) Switch	Cisco SG100D-08	1	
53	5x Gigabit PoE out Ethernet Smart Switch, SFP cage		1	
54	8x Gigabit POE out Ethernet Smart Switch, 4x SFP cages 400MHz OS L5		1	
55	CPU 128MB RAM, desktop case, Router		1	
56	GSM modem with an Ethernet port		1	
57	Network Backbones Switch	Cisco Catalyst 9600	1	
58	Cisco ME-3600X-24FS-M Ethernet Access Switch		1	



59	Cisco 10000 Series Line Cards (E1/T1)		1	
60	Cisco RV340W Dual WAN Gigabit Wireless AC VPN Router		1	
61	Cisco RV340 Dual WAN Gigabit VPN Router		1	
62	Cisco RV160 VPN Router		1	
63	Cisco C8235-E-G2 Router		1	
64	Cisco Catalyst C8200-1N-4T Router		1	
65	Router Board		1	
66	Wireless router	TP-Link Archer AXE75	1	
67	Wireless router	Asus RT-BE96U	1	
68	Wireless router	TP-Link Archer AXE95 AXE7800 Tri-Band Wi-Fi 6E Router	1	
69	Wireless router	eero Pro 7	1	
70	Outdoor Access Point Management Solution	Pharos Control Pharos Centralized Managment Platform	1	
71	Outdoor Access Points	WBS510 5GHz 300Mbps Outdoor Wireless Base Station	1	
72	Outdoor Access Points	WBS210 2.4GHz 300Mbps Outdoor Wireless Base Station	1	
73	Outdoor Access Points	CPE710 5GHz AC 867Mbps 23dBi Outdoor CPE	1	
74	Outdoor Access Points	CPE610 5GHz 300Mbps 23dBi Outdoor CPE	1	
75	Outdoor Access Points	CPE605 5GHz 150Mbps 23dBi Outdoor CPE	1	
76	Outdoor Access Points	CPE510 V3.2 5GHz 300Mbps 13dBi Outdoor CPE	1	



77	Outdoor Access Points	CPE210 V3.20 2.4GHz 300Mbps 9dBi Outdoor CPE	1	
78	Outdoor Access Points	CPE220 2.4GHz 300Mbps 12dBi Outdoor CPE	1	
79	Outdoor Access Points	RUCKUS T670sn Outdoor Access Point	1	
80	Outdoor Access Points	RUCKUS T670 Outdoor Access Point	1	
81	Outdoor Access Points	RUCKUS T750 Outdoor Access Point	1	
82	Indoor Access Points	RUCKUS R850 Indoor Access Point	1	
83	Indoor Access Points	RUCKUS R750 Indoor Access Point	1	
84	Indoor Access Points	RUCKUS R560 Indoor Access Point	1	
85	Indoor Access Points	RUCKUS R550 Indoor Access Point	1	
86	Indoor Access Points	RUCKUS R350 Indoor Access Point	1	
87	Ruckus Zone Director		1	
88	Ruckus SmartZone		1	
89	Media Convertors Chassis Type (8 Ports)		1	
90	Media Convertors Box Type (Gbit)		1	
91	Network Attached Storage (4 TB)	TS-433eU	1	
92	Network Attached Storage (16 TB)	TS-h765eU	1	
93	Network Attached Storage (32 TB)	TS-h765eU	1	
94	Network Attached Storage (64 TB)	TS-h1655XeU-RP- 8G	1	
95	Network Attached Storage (128 TB)	TS-h1655XeU-RP- 8G	1	
96	Network Attached Storage (512 TB)	TS-h1655XeU-RP- 8G	1	



97	Visual Fault Locator	Fluke Networks' VisiFault Visual Fault Locator (VFL)	1	
98	UTP cables (carton)		1	
99	STP cables (carton)		1	
100	Cat 6A Cables (carton)		1	
101	Cat 7 Cables (carton)		1	
102	Cat 8 Cables (carton)		1	
103	Fiber cable - outdoor	24 Core (per meter) Singlemode	1	
104	Fiber cable - outdoor	48 Core (per meter) Single-mode	1	
105	Fiber cable - outdoor	96 Core (per meter) Single-mode	1	
106	Fiber cable - indoor	24-core 50 μ m OM4 (per meter) Multimode	1	
107	Fiber cable - indoor	48 core 50 μ m OM4 (per meter) Multimode	1	
108	RJ-45 Connectors Pack (100 pieces)		1	
109	Supply and Installation of Metallic Trunking Size 50X100mm		1	
110	Supply and Installation of Metallic Trunking Size 50X150mm		1	
111	Supply and Installation of PVC Trunking Legrand Type Size 105 x 50mm		1	
112	Supply and Installation Metallic of PVC Trunking Legrand Type Size 38 x 25mm		1	
113	Supply and Installation of Metallic PVC Trunking Legrand Type Size 25 x 16mm		1	
114	Supply and Installation Metallic of PVC Trunking Legrand elbow type size 100 x 50mm		1	



115	Supply and Installation Metallic of PVC Trunking End Cover Legrand type size 100 x 50mm		1	
116	Twin Data Ports Socket for Legrand Trunkings		1	
117	Perforated Cable Tray with cover (100*50mm)		1	
118	Perforated Cable Tray with cover (150*50mm)		1	
119	Perforated Cable Tray with cover (200*50mm)		1	
120	Perforated Cable Tray with cover (300*50mm)		1	
121	Flexible Pipe Size 20mm/15m		1	
122	Flexible Pipe Size 25mm/15m		1	
123	Server Room Cable Trays		1	
124	Cable Ties 400mm		1	
125	Cable Ties 100mm		1	
126	Cable Ties 100mm		1	
128	Ethernet Patch Panels 48 Ports		1	
128	Ethernet Patch Panels 24 Ports		1	
129	Crimping tool	Fluke Networks Modular Crimper All-in-one wire crimping tool for fiber optics, ethernet cable and telephone wire plugs compatible with many 6- and 8- position modular telephone plugs Telephone Crimping Tool Crimps 8- position RJ-45 connectors and 4- and 6- position RJ-	1	



		11 and RJ-12 connectors Ethernet crimping tool with Embedded flat cable cutter and stripper		
130	Network Wire Stripper		1	
131	RJ 45 network cable extender connector plug coupler		1	
132	RJ45 Keystone Jack (RJ45 Wall Computer Jack)		1	
133	Double socket RJ45 Ethernet network faceplate back box		1	
134	IDC punch down tool		1	
135	RJ45 Modular boots		1	
136	Fluke Networks Cable Testing Kit		1	
137	Ethernet Network Tester & WiFi Diagnostics Tool	EtherScope nXG	1	
138	Advanced Multi-Gig/10G Cable & Network Tester	LinkRunner 10G	1	
139	Smart Network & Cable Tester	LinkRunner AT 4000	1	
140	Cable+Network Tester	Fluke Networks LinkIQ Cable+Network Tester	1	
141	Microscanner	Fluke Networks MicroScanner Cable / PoE Tester	1	
142	Monitoring Kit	Fluke Networks Industrial Ethernet DSX CableAnalyzer Kit	1	
143	Network Tester	Fluke Networks LinkIQ Duo Cable+Network+Wi-Fi Tester	1	
144	Fiber Optic Tester	Fluke Networks FI2-7300 FiberInspector	1	



		Pro, Includes Versiv Mainframe		
145	Fiber Optic Tester	Fluke Networks FI-3000 FiberInspector Pro Inspection Camera	1	
146	Fiber Optic Tester	Fluke Networks FiberLert Detector	1	
147	U-style wall mount holders for network cable ties		1	
148	Small-size Rack		1	
149	Cisco console cable		1	
150	Wi-Fi Extenders		1	
151	Power Extension Cable (50M)	Heavy-duty 50 metre extension cable 4 Universal sockets Easy to use retractable mechanism: Smooth cable winding to ensure tangle-free storage Stable and portable: The ergonomic handle and base provide easy portability and stable operation.	1	
152	Power Extension Cable (30M)	Heavy-duty 30 metre extension cable 4 Universal sockets Easy to use retractable mechanism: Smooth cable winding to ensure tangle-free storage Stable and portable: The ergonomic handle and base provide easy portability and stable operation.	1	
153	Power Extension Cable (20M)	Heavy-duty 20 metre extension cable 4 Universal sockets	1	



		Easy to use retractable mechanism: Smooth cable winding to ensure tangle-free storage Stable and portable: The ergonomic handle and base provide easy portability and stable operation.		
154	Power Extension Cable (10M)	Heavy-duty 10 metre extension cable 4 Universal sockets Easy to use retractable mechanism: Smooth cable winding to ensure tangle-free storage Stable and portable: The ergonomic handle and base provide easy portability and stable operation.	1	
155	Power Extension Cable (5M)	Heavy-duty 5 metre extension cable 4 Universal sockets Easy to use retractable mechanism: Smooth cable winding to ensure tangle-free storage Stable and portable: The ergonomic handle and base provide easy portability and stable operation.	1	
156	Manpower-Casual Workers	Per Day	1	
157	Skilled Cabling Technicians	Per Day	1	
158	Termination of Data/Voice ports in offices		1	



159	Network cable laying (100M)		1	
160	Fixing new Cable Trunkings		1	
161	Patch Panel Termination / Per Port		1	
162	Fiber Optic Enclosures		1	
	a) Rack Mount Fiber Optic Enclosures		1	
	b) Wall Mount Fiber Optic Housings		1	
	c) Outdoor Fiber Optic Enclosures		1	
	d) Fiber Optic Splice Trays & Drawers		1	
	e) Fiber splicing case		1	
163	Ultra-High-Density 1U Fiber Optic Patch Panels		1	
	a) 48 Port High-Density SC Patch Panel - SC Multimode		1	
	b) 48 Port High-Density SC Patch Panel - SC Single Mode		1	
	c) 48 Port High-Density LC Patch Panel - LC Multimode		1	
	d) 48 Port High-Density LC Patch Panel - LC Single Mode		1	
164	Fiber Optic Patch Cords – Single-mode Simplex, Single Mode		1	
165	Fiber Optic Patch Cords Duplex, Single Mode		1	
166	Fiber Optic Patch Cords- Simplex, Multimode		1	
167	Fiber Optic Patch Cords Duplex, Multimode		1	
168	Fiber Optic Termination Kits & Cleavers Greenlee 910FS Fiber Optic Fusion Splicer Kits		1	



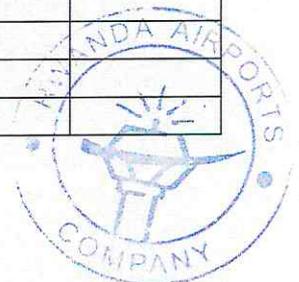
169	TKT-Unique Premium Tool Kit	UniCam High-Performance Installation Toolkit LC, SC and ST compatible	1	
170	Optical Fiber Termination Tool Kit		1	
171	Fiber Optic Testers & Kits Greenlee 5890 PC, SC, or ST Multimode and Single Mode OTDR Fiber Link Test		1	
172	Precision Rated Optics Fiber Optic Pro-Optical Multi-Tester		1	
173	OTDR Fiber Link Test	Fluke networks OptiFiber Pro OTDR Family	1	
174	Fiber Optic Cleaning Kits		1	
175	Fiber Optic Consumable Kits & Fan Out Kits – Leviton		1	
176	Fiber Optic Connectors		1	
	a) Connectors		1	
	b) Adapters & Couplers		1	
	c) Keystone Jacks		1	
177	4 PLC Single-mode Blade optical splitter, plug-in fiber optic splitter SC/ APC		1	
178	PLC Optic Fiber Cable 1 to 4 Channel Power Splitter Module SM SC/UPC		1	
179	19-inch 48-core 4U ODF optical fiber distribution frame 48-port core patch panel ODF		1	
	19-inch 12-core ODF optical fiber distribution frame 12-port core patch panel ODF		1	
	19-inch 24-core 2U ODF optical fiber distribution frame 24-port core patch panel ODF		1	
	Outdoor/Indoor Fiber Optic ODF		1	
	FTTH Fiber Optic Splicing Machine Optical Fiber Fusion Splicer JW4108		1	
	Outside Splice Enclosures		1	



180	Exchange Server Database Repair		1	
181	Exchange Server Migrations		1	
182	Exchange Server Maintenance		1	
183	Purging the Indexes on Mailbox and Public Folder Stores		1	
184	Performing Tombstone Maintenance On Mailbox and Public Folder Stores		1	
185	Removing Expired Messages from the Dumpster for the Mailboxes and Public Folder Store		1	
186	Removing Expired Messages From The Dumpster For the Public Folder Store		1	
187	Removing Deleted Public Folders With Tombstones More Than 180days Old		1	
188	Cleaning Up Message Conflicts in Public Folders		1	
182	Updating Server Version Information on Public Folders		1	
183	Checking the Message Table For Orphaned Messages		1	
184	Performing an Online Defragmentation of the Store		1	
185	Installing and Configuring an SSL Certificate on Exchange Server		1	
186	Upgrading from Exchange Server 2019 to Exchange Server SE		1	
187	Exchange Server Specialist	Per day	1	
188	Active Directory Specialist	Per day	1	
189	Linux Specialist	Per day	1	
190	OST to PST Tool		1	
191	3M Network Box Camera		1	
192	3Megapixel VP Dome Network Camera		1	
193	3M Motorized IR Bullet Network Camera		1	
194	30x Full-HD Advanced VCA Network IR Speed Dome Camera		1	



195	Lens		1	
196	Mounting Bracket		1	
197	AC Adapter		1	
198	Wireless Transmitter & Receiver		1	
199	Single (Professional) Monitor		1	
200	Quad Splitter built-in Observation Monitor		1	
201	Sequential Switcher built-in Observation Monitor		1	
202	Time Lapse VCR		1	
203	Digital Video Recorder (DVR)		1	
204	Quad Splitter		1	
205	WD Purple Surveillance Hard Drive - 1TB		1	
206	WD Purple Surveillance Hard Drive - 2TB		1	
207	WD Purple Surveillance Hard Drive - 4TB		1	
208	WD Purple Surveillance Hard Drive - 6TB		1	
209	WD Purple Surveillance Hard Drive - 8TB		1	
210	Video Switcher		1	
211	Multiplexer		1	
212	Web Camera Server		1	
213	DWR Web Camera Server		1	
214	PTZ Speed Dome		1	
215	Outdoor Housing Case with Mounting Bracket		1	
216	Pan/Tilt		1	
217	Motion Sensor		1	
218	Video Amplifier		1	
219	Time & Date Generator		1	
220	IR Illuminator		1	
221	Video Capture Card		1	
222	BNC Connectors		1	
223	DVI Matrix Switcher		1	
224	Wall Controller		1	
225	DVI Distribution Amplifier		1	
226	Entry Station Box		1	
227	Exit Station		1	
228	Barrier Box		1	
229	ANPR Camera		1	
230	AutoPay Station – Full Kiosk		1	
231	Cashier Station PC: 16GB RAM,		1	



	1TB Storage, Intel Core i7, Windows 11 Pro			
232	LIMS (Ticket Issuing Machines)		1	
233	Fiber ODF 24 Ports with Pig Tails		1	
234	Fiber Jumper Cords – 5M LC		1	
235	Fiber Jumper Cords – 5M SC		1	
236	Media Converters LC		1	
237	Media Converters SC		1	
238	Fiber Optic Cable 24 Cores / Meter		1	
239	Fiber GBIC Modules (SFP Modules)		1	
240	CCTV Camera		1	
241	Note Validators		1	
242	Ticket Validators		1	
243	Server – PowerEdge T30 Mini Tower Server Fully Installed - English		1	
244	Nil Printers		1	
245	Proximity Card Reader		1	
246	Communication Ports IRS-232 and IRS-485		1	
247	Motor		1	
248	Receipt Rolls		1	
249	Note Dispenser Cables		1	
250	Alarm and Power Cables		1	
251	Modules & Relay Bases		1	
252	Fiber Splicing & Termination		1	
253	Coin Hoppers		1	
254	Barrier Arms		1	
255	Prologic Unit		1	
256	Card Controllers		1	
257	Entry Level Rack Mounted Servers		1	
258	Coin Selectors		1	
259	Cleaning Solutions		1	
260	Seasonal Cards		1	
261	Tickets		1	
262	Coin Boxes		1	
263	Instruction Stickers for Cabinets		1	
264	Relays (12v 11pins)		1	
265	Cleaning Cards		1	
266	Power Supply 12v		1	



267	Power Supply 24v		1	
268	Display Units		1	
269	Ticket Validator Cable		1	
270	Note Validator Cables		1	
271	Card Readers		1	
272	Loop Modules		1	
273	Coin Selector Interfaces		1	
274	Coin Selectors Tool kit		1	
275	Fiber Patch Panels		1	
276	14KVA Inverter with Two Batteries (200AH)		1	
277	IP Based CCTV Camera		1	
278	Plastic Card Printer		1	
279	Fiber Cable Multimode (1 Meter)		1	
280	PLCs		1	
281	Vehicle Classifier		1	
282	Dlink Network Switches (With Fiber Multimode Port)		1	
283	Vehicle Sensors (one Pair), excluding works		1	
284	Note Dispensers		1	
285	Wireless Network POE & Radios		1	
286	Servers		1	
287	TTs		1	
288	Tablet Kiosk		1	
289	Full Sized Kiosk Keyboard		1	
290	Replacement Kiosk Keyboard		1	
291	Thermal Kiosk Receipt Printer		1	
292	Thermal Ticket Printer with Ticket storage		1	
293	SiteKiosk Plus Software		1	
294	Kiosk Screen/Display		1	
295	Kiosk PC		1	
296	Cables and Connectors		1	
297	TS2022 Tripod Turnstile with Controller and Fingerprint & RFID Reader		1	
298	ZKTeco Power supply for TS2022 Tripod Turnstile with Controller and		1	
299	Fingerprint & RFID Reader		1	
300	ZKAccess 3.5		1	



301	Switch for connecting the TS2022 Tripod Turnstile to PC (IP equipment)		1	
302	Aux relay output for TS2022 Tripod Turnstile		1	
303	ML10-ID integrated with fingerprint recognition and RFID card technology		1	
304	ZKBioBT App		1	
305	ZKBioLock Access Control software		1	
306	Electric locks		1	
307	Power supply		1	
308	SRB		1	
309	ZKTeco F18		1	
310	ZKAccess 3.5		1	
311	Cables		1	
312	RJ45 Connector		1	
313	Screws and Holders		1	
314	Diode (FR107)		1	
315	Power supply		1	
316	Exit button		1	
317	Electric locks		1	
318	Digital signage for boardroom (Including installation)	Logitech Tap Scheduler	1	
319	DUO Security MFA	Duo Premier	1	
320	Wireless Microphone System, 4 Channels Adjustable UHF Wireless Microphone Headset Metal Shell Vocal Wireless Mic Lapel for Church, Party, Singing, Speech YU-E40B Cordless Microphone		1	
321	JBL Professional C24CT-BK 4-Inch Background/Foreground Ceiling Loudspeaker, Black, Sold as Pair		1	
322	wenwen Wireless Microphone System Pro Audio 8 Channel UHF 8 Lavalier Bodypacks 8 Lapel Mic 8 Headsets		1	
333	Laser Digital Pointer		1	
334	Sound system connection 3 microphones, mixer, and speaker		1	



335	Linkedin Advertise	LinkedIn Pages	1	
336	VMware vSphere Foundation	1yr Subscription License for 48 Cores	1	
337	Dell PowerEdge R750 – 2U Rack Server (Dual 24-Core, 64GB RAM, 16-Bay, 1400W PSU, iDRAC9 Enterprise		1	
	Storage Area Network (Dell EMC PowerVault ME5 Series SAN Storage)		1	
338	Configuration & Software Installation VMware		1	
339	Maintenance and support VMware		1	
340	JBL Professional EON208P Portable All-in-One Dual Speaker, 2-way PA System with AKG Vocal Microphone, 8-Channel Mixer and Bluetooth, Black		1	
341	JBL Wireless Two Microphone System with Dual-Channel Receiver, Black		1	
342	HPE SAN Switch 8/80 Power Pack+ (48-port 8Gb FC)		1	
343	IBM SAN24C-7 (64G FC Switch with opticsC234:C245)		1	
344	XTool D8S		1	
345	XTool XT90 Smart Diagnosis System		1	
346	XTool XPortal J2534 PassThru Device		1	
347	XTool Compass / Compass Master Flagship Smart Diagnosis System		1	
348	XTool prodigy Flagship Smart Diagnosis System		1	
349	ISO Publications	ISO/IEC 27001:2022 (PDF + ePub)	1	
350	ISO Publications	ISO/IEC 27701:2025 (PDF + ePub)	1	



351	ISO Publications	The complete ISO/IEC 27000 Information security bundle (PDF + ePub)	1	
352	ISO Publications	ISO/IEC 19790:2025	1	

NOTE: The items above must be genuine, of good quality, and compliant, especially for electronics. RAC reserves the right to reject any counterfeit or substandard materials supplied.



**STANDARD CONTRACT FOR THE SUPPLY OF
GOODS**

FOR

NATIONAL CONTRACTS





RWANDA AIRPORTS COMPANY

Provision of Maintenance services of IT Equipment and supply of Spare Parts & Consumables and supply of laptops (Frame work contract)

By and between

Rwanda Airports Company

And

.....

Contract number: 023/G/2025-2026/NCB/RAC

Contract amount and currency:

Contract duration:

Contract administrator/Manager: RAC ICT Research & Innovation Directorate

Date of contract:



THIS CONTRACT (“Contract”) Hereinafter referred to as the “**Contract**” is entered into by and between Rwanda Airports Company represented by Mr/Mrs/Ms....., the of RAC (Hereinafter referred to as the “**Purchaser**” and Ltd/Cie, a Incorporated in (Country) under the Registry number Represented by Mr/Mrs/Ms ID/PC N°....., issued at....., the of the company Hereinafter referred to as the “**Supplier**”

Article One: Definitions

The following words and expressions shall have the meanings hereby assigned to them:

- (a) “**Contract**” means the Contract Agreement entered into between the and , together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) “**Contract Documents**” means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) “**Contract Price**” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- (d) “**Completion**” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in this Contract.
- (e) “**Day**” means calendar day.
- (f) “**Force Majeure**” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- (g) “**Goods**” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to RAC under the Contract.
- (h) “**Procuring Entity**” means RAC
- (i) “**Related Services**” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.



(j)“**Subcontractor**” means any natural person, private or government entity, or a combination of the above, to which any part of the Goods to be supplied or execution of any part of the related services is subcontracted by the Supplier.

(k) “**Supplier**” means (name of the supplier)

(l) “**Purchaser**” means RAC

(m) **Corrupt practice** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence RAC staff involved in tender proceedings;

(n) **fraudulent practice** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads or attempts to mislead a civil servant to obtain a financial or other benefit or to avoid an obligation;

(o) **collusive practice** means arrangement between two or more parties designed to achieve an improper purpose, including influencing another party or the civil servant;

(p) **coercive practice** means any act intending to harm or threaten to harm directly or indirectly persons, their works or their property to influence their participation in the procurement process or affect its performance;

(r) **Obstructive practices** means destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators deliberately in order to materially impede investigations into allegations of a corrupt, coercive or collusive practice: and/or threatening, harassing or intimidating any party to prevent him/her from disclosing his/her knowledge of matters relevant to the investigation or from pursuing the investigations.

Article 2: The Object of the Contract

The object of this contract is to supply RAC the goods as listed in Annex I: list of goods, quantities and technical specifications in accordance with their specifications detailed in Annex I.

Article 3: Contract Documents

1. This contract and its
2. Annex I: List of goods and Technical Specifications of the goods
3. Notification Letter
4. Negotiation minutes
5. Tender document
6. Bid



Article 4: Language

All notices, correspondence, documentation or communications of whatsoever nature, reports submitted or prepared under or in connection with this Contract shall be in the English language.

Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.

The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

Article 5: Notices

Each party chooses as its address for all purposes under this Contract whether for serving any court process or documents, giving any notice, or making any other communications of whatsoever nature and for any other purpose arising from this Contract as follows:

Rwanda Airports Company:

.....

.....

The supplier

.....

.....

.....

Any notice required or permitted under this Contract shall be valid and effective only if in writing, and shall be deemed to have been received on the date of delivery.

Any party may by notice to the other party, change its chosen address to another physical address and such change shall take effect on the eighth (8th) day after the date of receipt by the party who last receives the notice.

Article 6: Contrat management

The in charge of shall ensure the management of this contract on behalf of the RAC



Article 7: Governing Law

- i. "This Contract shall be governed by and construed in accordance with the laws of the Republic of Rwanda.
- ii. The Parties have further agreed that if the provisions of this Contract are inconsistent with the effective laws of the Republic of Rwanda, the inconsistent provision shall be amended and brought in conformity with the law.
- iii. Invalidity of one or more provision or articles of this Contract shall not invalidate any other provisions or the Contract as a whole. If a provision is found to be invalid or contravenes national legislation, the parties will agree on amendment of the provision and in the case of disagreement, the matter shall be referred to the Minister of Justice/Attorney General for legal advice. In case the matter is not resolved, it shall be submitted to the competent courts of Rwanda for an equitable solution".

Article 8: Settlement of Disputes

i. Amicable solution:

Any dispute or differences between the parties arising out of this Contract shall in the first instance be settled amicably by submitting such a dispute to a panel of senior representatives of the Parties to consider and resolve the Dispute. Each senior representative serving on such panel shall have full authority to settle the Dispute.

ii. Litigation:

"If the parties cannot settle the dispute amicably, the matter shall be referred to national courts of competent jurisdiction."

Article 9: Inspections

The Supplier shall permit RAC and/or persons appointed by RAC to inspect the Supplier's offices and/or the accounts and records of the Supplier and its sub-contractors in order to evaluate the performance of the Supplier and his/her capacity to perform.

Article 10: Duties and Obligations of the supplier

The Supplier shall supply items whose specifications, details and quantities are detailed in the Technical Specifications herewith attached as **Annex 1**.

Article 11: Delivery Period and place of delivery

- a. Delivery of goods, unless otherwise provided for in this Contract shall be effected within (Days/months/years) starting from the date of signing of this contract by both parties.
- b. The place of delivery shall be at

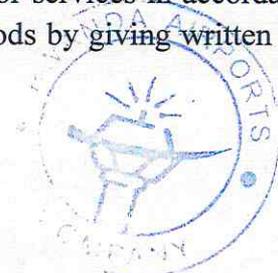


Article 12: Packaging, Marking and Delivery

- a. All Goods shall be packaged in accordance with the provisions of the Technical Specifications. Where no provisions are made in the Technical Specifications for packaging, the Goods shall be properly packed for long term storage in containers suitable to protect the contents against damage through rough handling and for over-storage in transit or whilst in store. Packing 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.
- b. Unless otherwise stated in this Contract, all containers (including packing cases, boxes, tins drums and wrappings) supplied by the Supplier shall be considered as non-returnable, and their cost having been included in the price of the Goods.
- c. Where necessary, the Supplier shall:
 - i. clearly mark the outside of each consignment or package with the Supplier's name and full details of the destination in accordance with the RAC's order and include a packing note stating the contents thereof;
 - ii. on dispatch of each consignment, send to RAC at the address for delivery of the Goods, an advice note specifying the means of transport, weight, number or volume as appropriate and the point and date of dispatch;
 - iii. send to the RAC a detailed priced invoice as soon as is reasonably practical after dispatch of the Goods, and
 - iv. State on all communications in the relevant order number and code number (if any).
- d. Goods shall be delivered on the days, between the times and at the address stated in this Contract.
- e. Should the Supplier fail to supply any of the Goods on the date or dates or within the period or periods specified thereof, or should he fail to replace any rejected Goods as required by the Contract, the Supplier shall be liable to make good to RAC all loss and damage occasioned by such failure, including any reasonable price (whether greater than the appropriate Contract price or not) paid by RAC in purchasing the Goods on which default has been made, from a source other than the Supplier. In such an event, RAC shall be at liberty to retain the amount of any such loss or damage from any money due by RAC to the Supplier but without prejudice to other methods of recovery open to RAC.

Article 13: Quality

- a. All Goods supplied shall comply with the requirements of the Technical Specifications, or shall conform in all respects to the sample which form part of the Contract.
- b. All Goods covered by this Contract shall be the subject of the RAC's inspection and test at all times before, during or after manufacture. The Supplier shall furnish without extra charge all reasonable facilities and assistance for the safe and convenient inspection or test required by RAC. Such inspections may be carried out on the Supplier's premises or at such other place as deemed appropriate by inspectors.
- c. If the Supplier fails to supply Goods, materials, workmanship or services in accordance with the provisions of the Contract, RAC may reject any part of the Goods by giving written notice to the



Supplier specifying the reason for rejection and whether replacement Goods are required and within what time.

- d. All rejects shall be held at the Supplier's risk and expense including all transportation and handling costs until returned to or collected by the Supplier. All rejects shall be replaced or rectified and made good at the Supplier's expense within the specified replacement period to the full satisfaction of the inspectors and in conformity with the standards, specification or samples specified in this Contract.

In the event of the Supplier failing to remove such rejected Goods within twenty (20) days of notification of the rejection, RAC shall be at liberty to return them at the Supplier's risk, the cost of carriage being recoverable from the Supplier.

Article 14: Contract price

The contract price is Rwanda **Francs** (..... **RWF**) all taxes included.

The contract price is fixed and cannot be revised during the course of the contract, or during a extension of time thereof.

The contract price includes any fees, expenses or any other cost that the Supplier might incur in relation with this contract and no reimbursable shall be claimed by the Supplier.

Article 15: Billing and Payment modalities

The Supplier shall be paid upon presentation to and approval by RAC of an invoice of the goods supplied and accepted by RAC.

Each invoice shall be accompanied with the delivery note specifying the goods supplied and approved by RAC and any other document specified in the contract documents. No invoice shall be accepted by the Client nor delays in payment considered if the invoice is not accompanied by such documents.

In the event of a disputed invoice, RAC shall notify the Supplier in writing of the disputed amount within three (3) days of the invoice date, specifically identifying the reason for the dispute, and pay all undisputed amounts owed while the dispute is under negotiation. Upon the resolution of a disputed invoice, RAC shall pay the remaining portions, if any, of such invoice.

All payments will be made within forty-five (45) days after receipt and approval of the supplier's invoice and shall be paid to the following account:

- 1. Account Holder:
- 2. Account number:
- 3. Bank Name:
- 4. Bank Address:

- a. Notwithstanding the foregoing or anything to the contrary contained herein, the Supplier may, in its sole discretion and with thirty (30) days prior written notice to RAC, change the account to which such payments are to be made, subject to the requirements by relevant authorities.



Article 16: Performance Security

- a. A Performance security shall be required and issued upon receipt of a purchase order whose amount is from two million (20,000,000Frw) Rwandan Francs and above and shall be 5% percentage of the total cost of the received LPO.
- b. The proceeds of the Performance Security shall be payable to RAC as compensation for any loss resulting from the Supplier's failure to complete its obligations under this Contract.
- c. However, the performance Security shall be discharged by RAC and returned to the Supplier in two instalments. 50% of the performance security shall be returned not later than thirty (30) days following the date of provisional acceptance of supplies, and the remaining 50% shall be returned not later than thirty (30) days following the date of final acceptance of supplies. If provisional and final acceptable are not relevant depending on the nature of the contract and goods or service to be supplied, performance security shall be returned 100% after supply and acceptance of such goods or services

Article 17: Confidential Information

RAC" and the "Supplier" shall keep confidentiality and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract.

Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from RAC to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier.

RAC shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from RAC for any purpose other than the performance of the Contract.

Article 18: Subcontracting

The Supplier shall engage no subcontractor to perform any work or services in connection with this Contract unless the Supplier shall have notified in writing to RAC of the identity of the proposed subcontractor and RAC shall have notified in writing the Supplier of its approval of the engagement of the subcontractor. The approval by RAC of the engagement of a subcontractor shall not relieve the Supplier of any of its obligations under this Contract or from its responsibility for the work or services



performed by the subcontractor. In any way no subcontract shall exceed 20% of the main contract, and the terms of any subcontract shall be subject to and in conformity with the provisions of this Contract.

Article 19: Penalties

If the Supplier fails to deliver by the Date(s) of delivery period specified in the Contract, RAC may without prejudice to other available remedies for RAC, deduct from the Contract Price, as liquidated damages, a sum equivalent to 1‰ of the total of the contract price for each day of delay until actual delivery or performance, up to a maximum deduction of the 3% of the contract price. Once the maximum is reached, RAC may terminate the contract or extend its duration until full completion. However, such extension of the contract shall not exceed..... days/month and penalties shall continue to accrue until full completion of the contract or termination.

Article 20: Force Majeure

The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, termination for default if and to the extent that the delay in performance or other failure to perform contractual obligations is the result of an event of Force Majeure.

If a Force Majeure situation arises, the Supplier shall promptly notify RAC in writing within five (5) days of such condition and the cause thereof. The party claiming Force Majeure shall use its persistent, good faith and commercially reasonable efforts to overcome the event of Force Majeure. Unless otherwise directed by RAC in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

Article 21: Change in Laws and Regulations

If after the deadline for submitting bids any law, regulation, ordinance, order or by law having the force of law is enacted, promulgated, abrogated, or changed in the place of Rwanda where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract.

5. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable.

Article 22: Change Orders and Contract Amendments



RAC may at any time order the Supplier through writing notice, to make changes within the general scope of the Contract in any one or more of the Quantities of Items and/ or Designs,

If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within five (5) days from the date of the Supplier's receipt of change order.

Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed 20% of the contract price.

Subject to the above, no variation or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

Article 23: Extensions of Time

- a. If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the Goods, the Supplier shall promptly but no later than..... (days/month(s)) prior to the expiration of the contract, notify RAC in writing of the delay, its likely duration, its cause and put forward a new anticipated delivery. As soon as practicable after receipt of the Supplier's notice, RAC shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract. Unless and until the Supplier receives a notification of the new extended delivery date, there shall be no extension to the date.
- b. Except in case of Force Majeure, as provided under Clause 20, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages, unless an extension of time has been agreed upon.

Article 24: Termination

RAC, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

- (a) If the Supplier fails to perform any or all of its obligations within the period specified in this Contract, or within any extension thereof granted by RAC.
- (b) If the Supplier fails to perform any other obligation under the Contract; or



- (c) If the Supplier or any of its employee, agent, in the judgment of RAC has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing this Contract.
- (d) If the supplier becomes bankrupt or otherwise insolvent.

Termination for Convenience

- (a) RAC, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for RAC's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment or delivery within (days/months) after the Supplier's receipt of notice of termination shall be accepted by RAC at the Contract terms and prices. For the remaining Goods, RAC may elect:
 - i. to have any portion completed at the Contract terms and prices; and/or
 - ii. to cancel the remainder and pay to the Supplier an agreed amount for partially supplied goods and Related Services and for materials and parts previously procured by the Supplier.

Article 25: Assignment

The Supplier shall not assign or operate any other transfer of its rights under this contract, in whole or in part, its obligations under this Contract, except with prior written consent of the other party. Prior to any such assignment, the assignee will be obliged to sign an undertaking to comply with all obligations under this contract. Any attempt assignment not complied with the manner prescribed herein shall be null and void.

Article 26: Warranties

- a. The Supplier warrants that all the Goods are new, of good quality, unused, and of the most recent or current models and that they incorporate all recent improvements in design and materials,
- b. The Supplier warrants that goods supplied shall be free from all defects which can harm its normal use.
- c. The Supplier warrants remedying the defects within the reasonable time at his/her risks and expenses and without prejudice to any other rights which RAC may have according to the Contract.
- d. The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country.



- e. RAC shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. RAC shall afford all reasonable opportunity for the Supplier to inspect such defects.
- f. Upon receipt of such notice, the Supplier shall, within the period of five (5) working days, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Client.
- g. If having been notified, the Supplier fails to remedy the defect within the period specified, the RAC may proceed to take within a reasonable period such remedial action as may be necessary including but not limited to the application of penalties for delay to correct defects as provided by RAC procurement manual, at the Supplier's risk and expense and without prejudice to any other rights which RAC may have against the Supplier under the Contract.
- h. The Supplier shall provide a warranty period of twelve (12) months to every client, unless otherwise agreed upon by parties during contract negotiations, starting from the date of official acceptance of the last delivery.

Article 27: Patent indemnity

The Supplier shall, subject to prior RAC's notification specified in the paragraph b, indemnify and hold RAC harmless and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which RAC may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract.

If any proceedings are brought or any claim is made against RAC arising out of the matters referred to in paragraph a, RAC shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in RAC's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

If the Supplier fails to notify RAC within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then RAC shall be free to conduct the same on its own behalf.

Article 28: Miscellaneous

i. Entire Agreement:

The Contract constitutes the entire agreement between RAC and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

ii. waiver:

- a. No relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any



waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

- b. Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

iii. Severability:

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

Article 29: Counterparts

This Contract may be executed in two counterparts, each of which shall be deemed an original, and both of which together shall constitute one and the same instrument.

Article 30: Effectiveness of the contract.

This contract shall come into effect on the Date of Signature and remain in force until its expiration or until the two parties will have completely fulfilled their obligations, or the time the contract is terminated by either party.

Rwanda Airports Company

By: _____

Name:

Title:

The Supplier

By: _____

Name:

Title:



ANEX: LIST OF GOODS, SUPPLY REQUIREMENTS AND TECHNICAL SPECIFICATIONS OF THE GOODS



