



**TENDER FOR**

**SUPPLY AND DELIVERY OF ASSORTED ICT AND  
COMMUNICATION EQUIPMENT – FRAMEWORK AGREEMENT  
FOR TWO YEARS**

**TENDER NO: CGN/FRA/1660208 -2024/2025**

**CLOSING ON WEDNESDAY, 16<sup>TH</sup> OCTOBER, 2024 AT 11:00 AM**

**(RESERVED FOR AGPO)**

**COUNTY GOVERNMENT OF NYANDARUA  
P.O. BOX 701-20303  
OL KALOU.**

**Email: [scms@nyandarua.go.ke](mailto:scms@nyandarua.go.ke)  
Website – [www.nyandarua.go.ke](http://www.nyandarua.go.ke)**

**SEPTEMBER 2024**



## TABLE OF CONTENTS

<b>PREFACE</b> .....	iii
<b>APPENDIX TO THE PREFACE</b> .....	iv
<b>GUIDELINES FOR PREPARATION OF TENDER DOCUMENTS</b> .....	iv
1. GENERAL .....	iv
2. PART 1 - TENDERING PROCEDURES.....	iv
3. PART 2 – PROCUREMENT ENTITY'S REQUIREMENTS.....	v
4. PART 3 – CONDITIONS OF CONTRACT AND CONTRACT FORMS.....	v
<b>INVITATION TO TENDER</b> .....	vii
<b>Section I - Instructions to Tenderers</b> .....	<b>1</b>
<b>A General Provisions</b> .....	<b>1</b>
1 Scope of Tender .....	
2 Fraud and Corruption .....	1
3 Eligible Tenderers .....	1
4 Eligible Goods and Related Services .....	3
<b>B Contents of Request for Tenders Document</b> .....	<b>3</b>
5. Sections of Tendering Document.....	3
6 Clarification of Tender Document.....	4
7 Amendment of Tender Document.....	4
<b>C Preparation of Tenders</b> .....	<b>5</b>
8 Cost of Tendering.....	5
9 Language of Tender.....	5
10 Documents Comprising the Tender.....	5
11 Form of Tender and Price Schedules.....	5
12 Alternative Tenders .....	6
13 Tender Prices and Discounts .....	6
14 Currencies of Tender and Payment .....	7
15 Documents Establishing the Eligibility and Conformity of the Goods and Related Services.....	7
16 Documents Establishing the Eligibility and Qualifications of the Tenderer .....	7
17 Period of Validity of Tenders.....	8
18 Tender Security .....	8
19 Format and Signing of Tender.....	9
<b>D Submission and Opening of Tenders</b> .....	<b>9</b>
20 Sealing and Marking of Tenders .....	9
21 Deadline for Submission of Tenders .....	10
22 Late Tenders.....	10
23 Withdrawal, Substitution, and Modification of Tenders. ....	10
24 Tender Opening.....	10
<b>E Evaluation and Comparison of Tenders</b> .....	<b>11</b>
25 Confidentiality.....	11
26 Clarification of Tenders.....	11
27 Deviations, Reservations, and Omissions .....	12
28 Determination of Responsiveness .....	12
29 Non-conformities, Errors and Omissions.....	12
30 Correction of Arithmetical Errors .....	13
31 Conversion to Single Currency .....	13
32 Margin of Preference and Reservations .....	13
33 Evaluation of Tenders .....	13
34 Comparison of Tenders .....	14
35 Abnormally Low Tenders .....	14
36 Abnormally High Tenders.....	14

37.	Post Qualification of the Tenderer.....	15
38.	Lowest Evaluated Tender.....	15
39.	Procuring Entity's Right to Accept Any Tender, and to Reject Any or All .....	15
<b>F.</b>	<b>Award of Contract.....</b>	<b>15</b>
40.	Award Criteria.....	15
41.	Notice of Intention to enter into a Contract.....	16
42.	Standstill Period .....	16
43.	Debriefing by the Procuring Entity .....	16
44.	Letter of Award.....	16
45.	Signing of Contract .....	16
46.	Performance Security .....	16
47.	Publication of Procurement Contract .....	17
48.	Procurement Related Complaint .....	17
	<b>SECTION II – TENDER DATA SHEET (TDS) .....</b>	<b>18</b>
	<b>SECTION III - EVALUATION AND QUALIFICATION CRITERIA.....</b>	<b>22</b>
1.	General Provisions.....	22
2.	Evaluation of Tenders (ITT 33).....	22
3.	MARGIN OF PREFERENCE.....	25
4.	Post Qualification of Tenderers (ITT 37) .....	25
	<b>SECTION IV - TENDERING FORMS.....</b>	<b>28</b>
	Form of	
	Tender.....	29
	Certificate of Independent Tender Determination.....	32
	Self-declaration Forms.....	33
	Appendix 1 - Fraud and Corruption.....	36
	Tenderer Information Form .....	38
	Tenderer's Eligibility- Confidential Business Questionnaire Form .....	39
	Tenderer's JV Members Information Form.....	42
	Price Schedule Forms .....	43
	FORM OF TENDER SECURITY - DEMAND BANK GUARANTEE .....	49
	FORM OF TENDER SECURITY (INSURANCE GUARANTEE).....	50
	FORM OF TENDER-SECURING DECLARATION .....	51
	MANUFACTURER'S AUTHORIZATION FORM .....	52
	<b>PART 2: SUPPLY REQUIREMENTS.....</b>	<b>53</b>
	<b>Section V - Schedule of Requirements.....</b>	<b>53</b>
	Notes for Preparing the Schedule of Requirements.....	53
1.	List of Goods and Delivery Schedule.....	54
2.	List of Related Services and Completion Schedule .....	55
3.	Technical Specifications.....	56
4.	Drawings .....	58
5.	Inspections and Tests.....	59
	<b>PART 3 - CONTRACT.....</b>	<b>60</b>
	SECTION VI - GENERAL CONDITIONS OF CONTRACT .....	61
	SECTION VII - SPECIAL CONDITIONS OF CONTRACT .....	74
	SECTION VIII - CONTRACT FORMS .....	78
	FORM No. 1: NOTIFICATION OF INTENTION TO AWARD.....	79
	FORM No. 2: REQUEST FOR REVIEW .....	82
	FORM No. 3: LETTER OF AWARD .....	82
	FORM No. 4 - CONTRACT AGREEMENT.....	84
	FORM No. 5 - PERFORMANCE SECURITY [Option 1- Unconditional Demand Bank Guarantee]... 85	
	FORM No. 6 - PERFORMANCE SECURITY [Option 2– Performance Bond] .....	86
	FORM No. 7 - ADVANCE PAYMENT SECURITY [Demand Bank Guarantee] .....	88
	FORM No. 8 - BENEFICIAL OWNERSHIP DISCLOSURE FORM .....	88

## INVITATION TO TENDER

**PROCURING ENTITY: County Government of Nyandarua,  
P.O. Box 701 20303 Ol Kalou**

**CONTRACT NAME AND DESCRIPTION: Supply and Delivery of Assorted ICT and Communication Equipment.**

1. The County Government of Nyandarua invites sealed tenders for the **Supply and Delivery of Assorted ICT and Communication Equipment**.
2. Tendering will be conducted under **Open National Tender** using a standardized tender document. Tendering is open to **youth, women and people living with disability**.
3. Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours 0800 to 1700 hours at the Supply Chain Management Services Offices, Department of Finance
4. Tender documents may be obtained electronically from the Website(s) <http://www.nyandarua.go.ke> and/or from the Public Procurement Information Portal (PIIP) [www.tenders.go.ke](http://www.tenders.go.ke), free of charge. Tenderers who download the tender document are advised to forward their particulars immediately to [scms@nyandarua.go.ke](mailto:scms@nyandarua.go.ke) to facilitate any further clarification or addendum.
5. All Tenders must be accompanied by duly filled signed and stamped Tender-Securing Declaration in the format provided in the tender document.
6. The Tenderer shall chronologically serialize all pages of the tender documents submitted.
7. Hardcopies of the completed tenders must be delivered to the address below on or before **16<sup>th</sup> October, 2024 at 11:00am**. Electronic Tenders **MUST** also be submitted through the **IFMIS GOK Portal: [www.supplier.treasury.go.ke](http://www.supplier.treasury.go.ke)** on or before **16<sup>th</sup> October, 2024 at 11:00am**. Late bids shall be locked out.
8. Tenders will be opened immediately after the deadline date and time specified above or any deadline date and time specified later. Tenders will be publicly opened in the presence of the Tenderers' designated representatives who choose to attend at the address below.
9. The addresses referred to above are:

**A. Address for obtaining further information and for purchasing tender documents**

County Government of Nyandarua  
Supply Chain Management Offices  
P.O. BOX 701-20303 Ol Kalou  
Email: [scms@nyandarua.go.ke](mailto:scms@nyandarua.go.ke)

**B. Address for Submission of Tenders.**

Chief Officer - Finance  
County Government of Nyandarua  
P.O. BOX 701-20303  
Ol Kalou

**C. Address for Opening of Tenders.**

County Government of Nyandarua Headquarters  
Reception situated at the entrance of the County Government Headquarters offices next to the tender box.

**HEAD OF SUPPLY CHAIN MANAGEMENT SERVICES  
COUNTY GOVERNMENT OF NYANDARUA  
P.O. BOX 701-20303 OL KALOU.**

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# **PART 1 - TENDERING PROCEDURES**

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## SECTION I: INSTRUCTIONS TO TENDERERS

### A General Provisions

#### 1. Scope of Tender

- 1.1 The Procuring Entity as defined in the **TDS** invites tenders for supply of goods and, if applicable, any Related Services incidental thereto, as specified in Section V, Supply Requirements. The name, identification, and number of lots (contracts) of this Tender Document are specified in the **TDS**.
- 1.2 Throughout this tendering document:
- a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, including if specified in the **TDS**, distributed or received through the electronic-procurement system used by the Procuring Entity) with proof of receipt;
  - b) if the context so requires, “singular” means “plural” and vice versa;
  - c) “Day” means calendar day, unless otherwise specified as “Business Day”. A Business Day is any day that is an official working day of the Procuring Entity. It excludes official public holidays.

#### 2. Fraud and Corruption

- 2.1 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015, Section 62 “Declaration not to engage in corruption”. The tender submitted by a person shall include a declaration that the person shall not engage in any corrupt or fraudulent practice and a declaration that the person or his or her sub-contractors are not debarred from participating in public procurement proceedings.
- 2.2 The Procuring Entity requires compliance with the provisions of the Competition Act 2010, regarding collusive practices in contracting. Any tenderer found to have engaged in collusive conduct shall be disqualified and criminal and/or civil sanctions may be imposed. To this effect, Tenders shall be required to complete and sign the “Certificate of Independent Tender Determination” annexed to the Form of Tender.
- 2.3 Unfair Competitive Advantage - Fairness and transparency in the tender process require that the firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender. To that end, the Procuring Entity shall indicate in the **Data Sheet** and make available to all the firms together with this tender document all information that would in that respect give such firm any unfair competitive advantage over competing firms.

#### 3. Eligible Tenderers

- 3.1 A Tenderer may be a firm that is a private entity, an individual, a state-owned enterprise or institution subject to ITT3.7, or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. Public employees and their close relatives (*wives, children, brothers, sisters and uncles and aunts*) are not eligible to participate in the tender.

In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Tendering process and, in the event the JV is awarded the Contract, during contract execution. The maximum number of JV members shall be specified in the **TDS**.

- 3.2 Public Officers of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother or Sister of a Spouse their business associates or agents and firms/organizations in which they have a substantial or controlling interest shall not be eligible to tender or be awarded a contract. Public Officers are also not allowed to participate in any procurement proceedings.
- 3.3 A Tenderer shall not have a conflict of interest. Any Tenderer found to have a conflict of interest shall be disqualified. A Tenderer may be considered to have a conflict of interest for the purpose of this Tendering process, if the Tenderer:

- a) directly or indirectly controls, is controlled by or is under common control with another Tenderer; or
  - b) receives or has received any direct or indirect subsidy from another Tenderer; or
  - c) has the same - representative or ownership as another Tenderer; or
  - d) has a relationship with another Tenderer, directly or through common third parties, that puts it in a position to influence the Tender of another Tenderer, or influence the decisions of the Procuring Entity regarding this Tendering process; or
  - e) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods that are the subject of the Tender; or
  - f) or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity or Procuring Entity for the Contract implementation; or
  - g) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the **TDS ITT 1.1** that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or has a close business or family relationship with a professional staff of the Procuring Entity (or of the project implementing agency, who: (i) are directly or indirectly involved in the preparation of the tendering document or specifications of the Contract, and/or the Tender evaluation process of such Contract; or (ii) would be involved in the implementation or supervision of such Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tendering process and execution of the Contract.
- 34 A tenderer shall not be involved in corrupt, coercive, obstructive, collusive or fraudulent practice. A tenderer that is proven to have been involved in any of these practices shall be automatically disqualified.
- 35 A firm that is a Tenderer (either individually or as a JV member) shall not submit more than one Tender, except for permitted alternative Tenders. This includes participation as a subcontractor. Such participation shall result in the disqualification of all Tenders in which the firm is involved. A firm that is not a Tenderer or a JV member, may participate as a subcontractor in more than one Tender. Members of a joint venture may not also make an individual tender, be a subcontractor in a separate tender or be part of another joint venture for the purposes of the same Tender.
- 36 A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT3.9. A Tenderer shall be deemed to have the nationality of a country if the Tenderer is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or sub consultants for any part of the Contract including related Services.
- 37 A Tenderer that has been debarred by the PPRA from participating in public procurement shall be ineligible to tender or be awarded a contract. The list of debarred firms and individuals is available from the PPRA's website [www.ppra.go.ke](http://www.ppra.go.ke)
- 38 Tenderers that are state-owned enterprises or institutions may be eligible to compete and be awarded a Contract(s) only if they are (i) a legal public entity of the state Government and/or public administration, (ii) financially autonomous and not receiving any significant subsidies or budget support from any public entity or Government, and (iii) operating under commercial law and vested with legal rights and liabilities similar to any commercial enterprise to enable it compete with firms in the private sector on an equal basis. Public employees and their close relatives are not eligible to participate in the tender.
- 39 Tenderers may be ineligible if their countries of origin (a) as a matter of law or official regulations, Kenya prohibits commercial relations with that country, or(b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods or contracting for supply of goods or services from that country, or any payments to any country, person, or entity in that country. A tenderer shall provide such documentary evidence of eligibility satisfactory to the Procuring Entity, as the Procuring Entity shall reasonably request.
- 3.10 Tenderers shall provide the qualification information statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring entity to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this Invitation for tenders.



311 Where the law requires tenderers to be registered with certain authorities in Kenya, such registration requirements shall be defined in the **TDS**

3.12 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website [www.cak.go.ke](http://www.cak.go.ke).

3.13 A Kenyan tenderer shall provide evidence of having fulfilled his/her tax obligations by producing a current tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority.

#### **4 Eligible Goods and Related Services**

4.1 All the Goods and Related Services to be supplied under the Contract shall have their origin in any country that is eligible in accordance with ITT 3.9.

4.2 For purposes of this ITT, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” include services such as insurance, installation, training, and initial maintenance.

4.3 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.

4.4 A procuring entity shall ensure that the items listed below shall be sourced from Kenya and there shall be no substitutions from foreign sources. The affected items are:

- a) motor vehicles, plant and equipment which are assembled in Kenya;
- b) furniture, textile, foodstuffs, oil and gas, information communication technology, steel, cement, leather, agro-processed products, sanitary products, and other goods made in Kenya; or
- c) goods manufactured, mined, extracted or grown in Kenya.

4.5 Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.

#### **5 Sections of Tendering Document**

5.1 The tendering document consist of Parts 1, 2, and 3, which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITT8.

##### **PART 1: Tendering Procedures**

- i) Section I - Instructions to Tenderers (ITT)
- ii) Section II - Tendering Data Sheet (TDS)
- iii) Section III - Evaluation and Qualification Criteria
- iv) Section IV - Tendering Forms

##### **PART 2: Supply Requirements**

- v) Section V - Schedule of Requirements

##### **PART 3: Contract**

- vi) Section VI - General Conditions of Contract (GCC)
- vii) Section VII - Special Conditions of Contract (SCC)
- viii) Section VIII- Contract Forms

5.2 The notice of Invitation to Tender or the notice to the prequalified Tenderers issued by the Procuring Entity is not part of the tendering document.

5.3 Unless obtained directly from the Procuring Entity, the Procuring Entity is not responsible for the

completeness of the document, responses to requests for clarification, the minutes of the pre-tender meeting (if any), or addenda to the tendering document in accordance with ITT7.

54 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tendering document and to furnish with its Tender all information or documentation as is required by the tendering document.

## **6 Clarification of Tendering Document**

61 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the **TDS** or raise its enquiries during the pre-Tender meeting if provided for in accordance with ITT 6.4. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period specified in the **TDS** prior to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender documents in accordance with ITT 5.3, including a description of the inquiry but without identifying its source. If so specified in the **TDS**, the Procuring Entity shall also promptly publish its response at the web page identified in the **TDS**. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents following the procedure under ITT 7.

62 The Procuring Entity shall specify in the **TDS** if a pre-tender conference will be held, when and where. The Tenderer's designated representative is invited to attend a pre-Tender meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

63 The Tenderer is requested to submit any questions in writing, to reach the Procuring Entity not later than the period specified in the **TDS** before the meeting.

64 Minutes of the pre-Tender meeting, if applicable, including the text of the questions asked by Tenderers and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Tenderers who have acquired the Tender Documents in accordance with ITT 6.3. Minutes shall not identify the source of the questions asked.

65 The Procuring Entity shall also promptly publish anonymized (*no names*) Minutes of the pre-Tender meeting at the web page identified **in the TDS**. Any modification to the Tender Documents that may become necessary as a result of the pre-Tender meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT 7 and not through the minutes of the pre-Tender meeting. Nonattendance at the pre-Tender meeting will not be a cause for disqualification of a Tenderer.

## **7 Amendment of Tendering Document**

71 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the tendering document by issuing addenda.

72 Any addendum issued shall be part of the tendering document and shall be communicated in writing to all who have obtained the tender document from the Procuring Entity in accordance with ITT 6.3. The Procuring Entity shall also promptly publish the addendum on the Procuring Entity's web page in accordance with ITT 7.1.

73 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders, pursuant to ITT 21.2.

## **C. Preparation of Tenders**

### **8 Cost of Tendering**

81 The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.

### **9 Language of Tender**

91 The Tender, as well as all correspondence and documents relating to the Tender exchanged by the Tenderer and the Procuring Entity, shall be written in English Language. Supporting documents and printed literature that are part of the Tender may be in another language provided they are accompanied by an accurate translation of the relevant passages into the English Language, in which case, for purposes of interpretation of the Tender, such translation shall govern.

## **10. Documents Comprising the Tender**

101 The Tender shall comprise the following:

- a) Form of Tender prepared in accordance with ITT11;
- b) Price Schedules: completed in accordance with ITT 11 and ITT 13;
- c) Tender Security or Tender-Securing Declaration, in accordance with ITT 18.1;
- d) Alternative Tender: if permissible, in accordance with ITT12;
- e) Authorization: written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordance with ITT19.3;
- f) Qualifications: documentary evidence in accordance with ITT 16.2 establishing the Tenderer qualifications to perform the Contract if its Tender is accepted;
- g) Tenderer Eligibility: documentary evidence in accordance with ITT16.1 establishing the Tenderer eligibility to tender;
- h) Eligibility of Goods and Related Services: documentary evidence in accordance with ITT 15, establishing the eligibility of the Goods and Related Services to be supplied by the Tenderer;
- i) Conformity: documentary evidence in accordance with ITT15.2 that the Goods and Related Services conform to the tender document; and
- j) any other document required in the **TDS**.

102 In addition to the requirements under ITT 10.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Tender shall be signed by all members and submitted with the Tender, together with a copy of the proposed Agreement.

103 The Tenderer shall furnish in the Form of Tender information on commissions gratuities, and fees, if any, paid or to be paid to agents or any other party relating to this Tender.

## **11. Form of Tender and Price Schedules**

11.1 The Form of Tender and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Tendering Forms. The forms must be completed without any alterations to the text. All blank spaces shall be filled in with the information requested. The Tenderer shall chronologically serialise pages of all tender documents submitted.

## **12. Alternative Tenders**

121 Unless otherwise specified **in the TDS**, alternative Tenders shall not be considered.

## **13. Tender Prices and discounts**

131 The prices quoted by the Tenderer in the Form of Tender and in the Price, Schedules shall conform to the requirements specified below.

132 All lots (contracts) and items must be listed and priced separately in the Price Schedules.

133 The price to be quoted in the Form of Tender in accordance with ITT10.1 shall be the total price of the Tender, including any discounts offered.

134 The Tenderer shall quote any discounts and indicate the methodology for their application in the form of tender. Conditional discounts will be rejected.

135 Prices quoted by the Tenderer shall be fixed during the performance of the Contract and not subject to variation on any account, unless otherwise specified **in the TDS**. A Tender submitted with an

adjustable price quotation shall be treated as non-responsive and shall be rejected, pursuant to ITT 28. However, if in accordance with **the TDS**, prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract, a Tender submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 136 If specified in ITT 1.1, Tenders are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise specified **in the TDS**, 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. Tenderers wishing to offer discounts for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITT 13.4 provided the Tenders for all lots (contracts) are opened at the same time.
- 137 The terms EXW, CIP, CIF, DDP and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce.
- 138 Prices shall be quoted as specified in each Price Schedule included in Section IV, Tendering Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Tenders by the Procuring Entity. This shall not in any way limit the Procuring Entity's right to contract on any of the terms offered. In quoting prices, the Tenderer shall be free to use transportation through carriers registered in any eligible country. Similarly, the Tenderer may obtain insurance services from any eligible country in accordance with ITT 3.6, Eligible Tenders. Prices shall be entered in the following manner:
- a) For Goods manufactured in Kenya:
    - i) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the- shelf, as applicable) final destination point indicated in the **TDS**, 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 sales tax and other taxes which will be payable in Kenya on the Goods if the Contract is awarded to the Tenderer; and
    - iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination specified **in the TDS**.
  - b) For Goods manufactured outside Kenya, to be imported:
    - i) the price of the Goods, quoted CIP named place of destination, in Kenya, as specified **in the TDS**;
    - 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 specified **in the TDS**;
  - c) For Goods manufactured outside Kenya, already imported:
    - 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) any sales and other taxes levied in Kenya which will be payable on the Goods if the Contract is awarded to the Tenderer; and
    - iv) 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 TDS**.
  - 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, the price of each item comprising the Related Services (inclusive of any applicable taxes).

#### **14 Currencies of Tender and Payment**

**141** The currency (ies) of the Tender, the currency (ies) of award and the currency (ies) of contract

payments shall be the same.

142 The Tenderer shall quote in Kenya shillings. If allowed in the **TDS**, the Tenderer may express the Tender price in any currency, provided it shall use no more than two foreign currencies in addition to the Kenya Shilling.

143 The rates of exchange to be used by the Tenderer shall be based on the exchange rates provided by the Central Bank of Kenya on the date 30 days prior to the actual date of tender opening.

**15. Documents Establishing the Eligibility and Conformity of the Goods and Related Services**

151 To establish the eligibility of the Goods and Related Services in accordance with ITT 15, Tenderers shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Tendering Forms.

152 To establish the conformity of the Goods and Related Services to the tendering document, the Tenderer shall furnish as part of its Tender the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.

153 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 Section VII, Schedule of Requirements.

154 The Tenderer 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 TDS** following commencement of the use of the goods by the Procuring Entity.

155 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Procuring Entity in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Tenderer may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Procuring Entity's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section VII, Schedule of Requirements.

**16. Documents Establishing the Eligibility and Qualifications of the Tenderer**

161 To establish Tenderer eligibility in accordance with ITT 4, Tenderers shall complete the Form of Tender, included in Section IV, Tendering Forms.

162 The documentary evidence of the Tenderer qualifications to perform the Contract if its Tender is accepted shall establish to the Procuring Entity's satisfaction:

- a) that, if required **in the TDS**, a Tenderer 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, Tendering Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Kenya;
- b) that, if required **in the TDS**, in case of a Tenderer not doing business within the Kenya, the Tenderer is or will be (if awarded the Contract) represented by an Agent in the country 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 Tenderer meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

**17. Period of Validity of Tenders**

171 Tenders shall remain valid for the Tender Validity period specified **in the TDS**. The Tender Validity period starts from the date fixed for the Tender submission deadline (as prescribed by the Procuring Entity in accordance with ITT 21.1). A Tender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.

172 In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may request Tenderers to extend the period of validity of their Tenders. The request and the responses shall be made in writing. If a Tender Security is requested in accordance with ITT 18, it shall also be extended for a corresponding period. A Tenderer may refuse the request without forfeiting its Tender Security. A Tenderer granting the request shall not be required or permitted to modify its Tender, except as provided in ITT 17.3.

173 If the award is delayed by a period exceeding the number of days to be specified in the **TDS** days beyond the expiry of the initial tender validity period, the Contract price shall be determined as follows:

- a) in the case of **fixed price** contracts, the Contract price shall be the tender price adjusted by the factor specified **in the TDS**;
- b) in the case of **adjustable price** contracts, no adjustment shall be made; or in any case, tender evaluation shall be based on the tender price without taking into consideration the applicable correction from those indicated above.

## **18. Tender Security**

- 181** The Tenderer shall furnish as part of its Tender, either a Tender-Securing Declaration or a Tender Security, as specified **in the TDS**, in original form and, in the case of a Tender Security, in the amount and currency specified **in the TDS**.
- 182** A Tender Securing Declaration shall use the form included in Section IV, Tendering Forms.
- 183** If a Tender Security is specified pursuant to ITT 18.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer option:
- i) cash;
  - ii) a bank guarantee;
  - iii) a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority; or
  - iv) a letter of credit; or
  - v) guarantee by a deposit taking micro-finance institution, Sacco society, the Youth Enterprise Development Fund or the Women Enterprise Fund.
- 184** If an unconditional guarantee is issued by a non-Bank financial institution located outside Kenya, the issuing non-Bank financial institution shall have a correspondent financial institution located in Kenya to make it enforceable unless the Procuring Entity has agreed in writing, prior to Tender submission, that a correspondent financial institution is not required. In the case of a bank guarantee, the Tender Security shall be submitted either using the Tender Security Form included in Section IV, Tendering Forms, or in another substantially similar format approved by the Procuring Entity prior to Tender submission. The Tender Security shall be valid for thirty (30) days beyond the original validity period of the Tender, or beyond any period of extension if requested under ITT 17.2.
- 185** If a Tender Security is specified pursuant to ITT 18.1, any Tender not accompanied by a substantially responsive Tender Security shall be rejected by the Procuring Entity as non-responsive.
- 186** If a Tender Security is specified pursuant to ITT 18.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer signing the Contract and furnishing the Performance Security pursuant to ITT 46. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined non-responsive or a bidder declines to extend tender validity period.
- 187** The Tender Security of the successful Tenderer shall be returned as promptly as possible once the successful Tenderer has signed the Contract and furnished the required Performance Security.
- 188** The Tender Security may be forfeited or the Tender Securing Declaration executed:
- a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer in the Form of Tender, or any extension thereto provided by the Tenderer; or
  - b) if the successful Tenderer fails to:
    - i) sign the Contract in accordance with ITT 45; or
    - ii) furnish a Performance Security in accordance with ITT 46.
- 189** Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA that PPRA debars the Tenderer from participating in public procurement as provided in the law.
- 18.10** The Tender Security or Tender- Securing Declaration of a JV must be in the name of the JV that submits the Tender. If the JV has not been legally constituted into a legally enforceable JV at the time of Tendering, the Tender Security or Tender-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITT3.1 and ITT 10.2.
- 18.11** A tenderer shall not issue a tender security to guarantee itself.

## **19. Format and Signing of Tender**

- 191 The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 11 and clearly mark it "ORIGINAL." Alternative Tenders, if permitted in accordance with ITT 12, shall be clearly marked "ALTERNATIVE." In addition, the Tenderer shall submit copies of the Tender, in the number **specified in the TDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 192 Tenderers shall mark as "CONFIDENTIAL" information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.
- 193 The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Tenderer. This authorization shall consist of a written confirmation **as specified in the TDS** and shall be attached to the Tender. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Tender where entries or amendments have been made shall be signed or initialed by the person signing the Tender.
- 194 In case the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by each members' legally authorized representatives.
- 195 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Tender.

#### **D. Submission and Opening of Tenders**

##### **20 Sealing and Marking of Tenders**

- 201 Depending on the sizes or quantities or weight of the tender documents, a tenderer may use an envelope, package or container. The Tenderer shall deliver the Tender in a single sealed envelope, or in a single sealed package, or in a single sealed container bearing the name and Reference number of the Tender, addressed to the Procuring Entity and a warning not to open before the time and date for Tender opening date. Within the single envelope, package or container, the Tenderer shall place the following separate, sealed envelopes:
- a) in an envelope or package or container marked "ORIGINAL", all documents comprising the Tender, as described in ITT 11; and
  - b) in an envelope or package or container marked "COPIES", all required copies of the Tender; and
  - c) if alternative Tenders are permitted in accordance with ITT 12, and if relevant:
    - i) in an envelope or package or container marked "ORIGINAL –ALTERNATIVE TENDER", the alternative Tender; and
    - ii) in the envelope or package or container marked "COPIES- ALTERNATIVE TENDER", all required copies of the alternative Tender.
- 202 The inner envelopes or packages or containers shall:
- a) bear the name and address of the Procuring Entity.
  - b) bear the name and address of the Tenderer; and
  - c) bear the name and Reference number of the Tender.
- 203 Where a tender package or container cannot fit in the tender box, the procuring entity shall:
- a) Specify in the **TDS where** such documents should be received.
  - b) maintain a record of tenders received and issue acknowledgement receipt note to each tenderer specifying time and date of receipt.
  - c) Ensure all tenders received are handed over to the tender opening committee for opening at the specified opening place and time.
- 204 If an envelope or package or container is not sealed and marked as required, the *Procuring Entity* will assume no responsibility for the misplacement or premature opening of the Tender. Tenders misplaced or opened prematurely will not be accepted.

##### **21 Deadline for Submission of Tenders**

- 21.1 Tenders must be received by the Procuring Entity at the address and no later than the date and time **specified in the TDS**. When so **specified in the TDS**, Tenderers shall have the option of submitting their Tenders electronically. Tenderers submitting Tenders electronically shall follow the electronic

Tender submission procedures **specified in the TDS.**

- 212 The Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders by amending the tendering document in accordance with ITT7, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

## **22 Late Tenders**

- 221 The Procuring Entity shall not consider any Tender that arrives after the deadline for submission of Tenders. Any Tender received by the Procuring Entity after the deadline for submission of Tenders shall be declared late, rejected, and returned unopened to the Tenderer.

## **23 Withdrawal, Substitution, and Modification of Tenders**

- 231 A Tenderer may withdraw, substitute, or modify its Tender after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITT19.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Tender must accompany the respective written notice. All notices must be:

- a) prepared and submitted in accordance with ITT 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 the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 22.

- 233 Tenders requested to be withdrawn in accordance with ITT 23.1 shall be returned unopened to the Tenderers.

- 234 No Tender may be withdrawn, substituted, or modified in the interval between the deadline for submission of Tenders and the expiration of the period of Tender validity specified by the Tenderer on the Form of Tender or any extension thereof.

## **24 Tender Opening**

- 241 Except as in the cases specified in ITT 23, the Procuring Entity shall, at the Tender opening, publicly open and read out all Tenders received by the deadline at the date, time and place specified **in the TDS** in the presence of Tenderers' designated representatives who choose to attend, including to attend any specific electronic tender opening procedures if electronic tendering is permitted in accordance with ITT 21.1, shall be as specified **in the TDS.**

- 242 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding Tender shall not be opened, but returned to the Tenderer. If the withdrawal envelope does not contain a copy of the “power of attorney” confirming the signature as a person duly authorized to sign on behalf of the Tenderer, the corresponding Tender will be opened. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Tender opening.

- 243 Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding Tender being substituted, and the substituted Tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Tender opening.

- 244 Next, envelopes marked “MODIFICATION” shall be opened and read out with the corresponding Tender. No Tender modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Tender opening.

- 245 Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Tenderer and whether there is a modification; the total Tender Prices, per lot (contract) if applicable, including any discounts and alternative Tenders; the presence or absence of a Tender Security, if required; and any other details as the Procuring Entity may consider appropriate.

- 246 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further for evaluation. The Form of Tender and pages of the Bills of Quantities are to be initialed by the members of the tender opening committee attending the opening. The number



of representatives of the Procuring Entity to sign shall be specified in the **TDS**.

- 247 The Procuring Entity shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 22.1).
- 248 The Procuring Entity shall prepare a record of the Tender opening that shall include, as a minimum:
- a) the name of the Tenderer and whether there is a withdrawal, substitution, or modification;
  - b) the Tender Price, per lot (contract) if applicable, including any discounts;
  - c) any alternative Tenders;
  - d) the presence or absence of a Tender Security or Tender-Securing Declaration, if one was required;
  - e) number of pages of each tender document submitted.
- 249 The Tenderers' representatives who are present shall be requested to sign the record. The omission of a Tenderer signature on the record shall not invalidate the contents and effect of the record. A copy of the tender opening register shall be issued to a Tenderer upon request.

## **E. Evaluation and Comparison of Tenders**

### **25. Confidentiality**

- 25.1 Information relating to the evaluation of Tenders and recommendation of contract award, shall not be disclosed to Tenderers or any other persons not officially concerned with the tendering process until the information on Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 41.
- 25.2 Any effort by a Tenderer to influence the Procuring Entity in the evaluation or contract award decisions may result in the rejection of its Tender.
- 25.3 Notwithstanding ITT 25.2, from the time of Tender opening to the time of Contract Award, if any Tenderer wishes to contact the Procuring Entity on any matter related to the Tendering process, it should do so in writing.

### **26. Clarification of Tenders**

- 26.1 To assist in the examination, evaluation, comparison of the Tenders, and qualification of the Tenderers, the Procuring Entity may, at its discretion, ask any Tenderer for a clarification of its Tender. Any clarification submitted by a Tenderer in respect to its Tender and that is not in response to a request by the Procuring Entity shall not be considered. The Procuring Entity's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Tender shall be sought, offered, or permitted except to confirm the correction of arithmetic errors discovered by the Procuring Entity in the Evaluation of the Tenders, in accordance with ITT 30.

If a Tenderer does not provide clarifications of its Tender by the date and time set in the Procuring Entity's request for clarification, its Tender may be rejected.

### **27. Deviations, Reservations, and Omissions**

- 27.1 During the evaluation of Tenders, the following definitions apply:
- a) "Deviation" is a departure from the requirements specified in the Tendering document;
  - b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the tendering document; and
  - c) "Omission" is the failure to submit part or all of the information or documentation required in the tendering document.

### **28. Determination of Responsiveness**

- 28.1 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the Tender itself, as defined in ITT28.2.
- 28 A substantially responsive Tender is one that meets the requirements of the tendering document

without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:

- a) if accepted, would:
  - i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
  - ii) limit in any substantial way, inconsistent with the tendering document, the Procuring Entity's rights or the Tenderer obligations under the Contract; or
- b) if rectified, would unfairly affect the competitive position of other Tenderers presenting substantially responsive Tenders.

282 The Procuring Entity shall examine the technical aspects of the Tender submitted in accordance with ITT 15 and ITT 16, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission.

283 If a Tender is not substantially responsive to the requirements of tendering document, it shall be rejected by the Procuring Entity and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

## **29. Non-conformities, Errors and Omissions**

291 Provided that a Tender is substantially responsive, the Procuring Entity may waive any non-conformities in the Tender.

292 Provided that a Tender is substantially responsive, the Procuring Entity may request that the Tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial non-conformities or omissions in the Tender related to documentation requirements. Such omission shall not be related to any aspect of the price of the Tender. Failure of the Tenderer to comply with the request may result in the rejection of its Tender.

293 Provided that a Tender is substantially responsive, the Procuring Entity shall rectify quantifiable nonmaterial non-conformities related to the Tender Price. To this effect, the Tender Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified **in the TDS**. The adjustment shall be based on the *average* price of the item or component as quoted in other substantially responsive Tenders. If the price of the item or component cannot be derived from the price of other substantially responsive Tenders, the Procuring Entity shall use its best estimate.

## **30. Arithmetical Errors**

301 The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity.

302 Provided that the Tender is substantially responsive, the Procuring Entity shall handle errors on the following basis:

- a) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to disqualification of the tender as non-responsive .
- b) Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. and
- c) if there is a discrepancy between words and figures, the amount in words shall prevail.

303 Tenderers shall be notified of any error detected in their bid during the notification of a ward.

## **31. Conversion to Single Currency**

311 For evaluation and comparison purposes, the currency(ies) of the Tender shall be converted in a single currency as specified **in the TDS**.

## **32. Margin of Preference and Reservations**

- 321 A margin of preference may be allowed on locally manufactured goods only when the contract is open to international tendering, where the tender is likely to attract foreign goods and where the contract exceeds the threshold specified in the Regulations.
- 322 For purposes of granting a margin of preference on locally manufactured goods under international competitive tendering, a procuring entity shall not subject the items listed below to international tender and hence no margin of preference shall be allowed. The affected items are:
- a) motor vehicles, plant and equipment which are assembled in Kenya;
  - b) furniture, textile, foodstuffs, oil and gas, information communication technology, steel, cement, leather agro-processing, sanitary products, and other goods made in Kenya; or
  - c) goods manufactured, mined, extracted or grown in Kenya.
- 323 A margin of preference shall not be allowed unless it is specified so in the **TDS**.
- 324 Contracts procured on basis of international competitive tendering shall not be subject to reservations to specific groups as provided in ITT 32.5.
- 325 Where it is intended to reserve a contract to a specific group of businesses (these groups are Small and Medium Enterprises, Women Enterprises, Youth Enterprises and Enterprises of persons living with disability, as the case may be), and who are appropriately registered as such by the authority to be specified in the **TDS**, a procuring entity shall ensure that the invitation to tender specifically indicates that only businesses or firms belonging to the specified group are eligible to tender as specified in the **TDS**. No tender shall be reserved to more than one group. If not so stated in the Tender documents, the invitation to tender will be open to all interested tenderers.

### **33. Evaluation of Tenders**

- 33.1 The Procuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification criteria. No other evaluation criteria or methodologies shall be permitted. The evaluation and award of contracts will be based on Packages. This is the Tender of the Tenderer that meets the qualification criteria and whose Tender has been determined to be:
- a) substantially responsive to the tender documents; and
  - b) the lowest evaluated price.
- 33.2 Price evaluation will be done for Items or Lots (contracts), as specified **in the TDS**; and the Tender Price as quoted in accordance with ITT 14. To evaluate a Tender, the Procuring Entity shall consider the following:
- a) price adjustment due to unconditional discounts offered in accordance with ITT 13.4;
  - b) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 31;
  - c) price adjustment due to quantifiable nonmaterial non-conformities in accordance with ITT 29.3; and
  - d) any additional evaluation factors specified **in the TDS** and Section III, Evaluation and Qualification Criteria.
- 33.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be considered in Tender evaluation.
- 33.4 Where the tender involves multiple lots or contracts, the tenderer will be allowed to tender for one or more lots (contracts). Each lot or contract will be evaluated in accordance with ITT 33.2. The methodology to determine the lowest evaluated tenderer or tenderers based one lot (contract) or based on a combination of lots (contracts), will be specified in Section III, Evaluation and Qualification Criteria. In the case of multiple lots or contracts, tenderer will be will be required to prepare the Eligibility and Qualification Criteria Form for each Lot.
- 33.5 The Procuring Entity's evaluation of a Tender will include and consider:
- a) in the case of Goods manufactured in Kenya, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Tenderer;
  - b) in the case of Goods manufactured outside Kenya, 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 Tenderer;

33.6 The Procuring Entity's evaluation of a Tender may require the consideration of other factors, in addition to the Tender Price quoted in accordance with ITT 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 Tenders, unless otherwise specified in the TDS from amongst those set out in Section III, Evaluation and Qualification Criteria. The additional criteria and methodologies to be used shall be as specified in ITT 33.2(d).

#### **34. Comparison of Tenders**

34.1 The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 33.2 to determine the Tender that has the lowest evaluated cost. The comparison shall be on the basis of total cost (place of final destination) prices for all goods and all prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within the Kenya, together with prices for any required installation, training, commissioning and other services.

#### **35. Abnormally Low Tenders**

35.1 An Abnormally Low Tender is one where the Tender price, in combination with other constituent elements of the Tender, appears unreasonably low to the extent that the Tender price raises material concerns with the Procuring Entity as to the capability of the Tenderer to perform the Contract for the offered Tender price.

35.2 In the event of identification of a potentially Abnormally Low Tender by the evaluation committee, the Procuring Entity shall seek written clarification from the Tenderer, including a detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, delivery schedule, allocation of risks and responsibilities and any other requirements of the tendering document.

35.3 After evaluation of the price analysis, in the event that the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the contract for the offered Tender price, the Procuring Entity shall reject the Tender.

#### **36. Abnormally High Tenders**

36.4 An abnormally high price is one where the tender price, in combination with other constituent elements of the Tender, appears unreasonably too high to the extent that the Procuring Entity is concerned that it (the Procuring Entity) may not be getting value for money or it may be paying too high a price for the contract compared with market prices or that genuine competition between Tenderers is compromised.

36.5 In case of an abnormally high tender price, the Procuring Entity shall make a survey of the market prices, check if the estimated cost of the contract is correct and review the Tender Documents to check if the specifications, scope of work and conditions of contract are contributory to the abnormally high tenders. The Procuring Entity may also seek written clarification from the tenderer on the reason for the high tender price. The Procuring Entity shall proceed as follows:

- i) If the tender price is abnormally high based on wrong estimated cost of the contract, the Procuring Entity may accept or not accept the tender depending on the Procuring Entity's budget considerations.
- ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, the Procuring Entity shall reject all tenders and may retender for the contract based on revised estimates, specifications, scope of work and conditions of contract, as the case may be.

36.6 If the Procuring Entity determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised (*often due to collusion, corruption or other manipulations*), the Procuring Entity shall reject all Tenders and shall institute or cause relevant Government Agencies to institute an investigation on the cause of the compromise, before retendering.

#### **37. Post-Qualification of the Tenderer**

37.1 The Procuring Entity shall determine, to its satisfaction, whether the eligible Tenderer that is selected as having submitted the lowest evaluated cost and substantially responsive Tender, meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.

372 The determination shall be based upon an examination of the documentary evidence of the Tenderer qualifications submitted by the Tenderer, pursuant to ITT 15 and 16. The determination shall not take into consideration the qualifications of other firms such as the Tenderer subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the tendering document), or any other firm(s) different from the Tenderer.

373 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the Procuring Entity shall proceed to the Tenderer who offers a substantially responsive Tender with the next lowest evaluated cost to make a similar determination of that Tenderer qualifications to perform satisfactorily.

### **38. Lowest Evaluated Tender**

38.1 Having compared the evaluated prices of Tenders, the Procuring Entity shall determine the Lowest Evaluated Tender. The Lowest Evaluated Tender is the Tender of the Tenderer that meets the Qualification Criteria and whose Tender has been determined to be:

- a) most responsive to the Tender document; and
- b) the lowest evaluated price.

### **39. Procuring Entity's Right to Accept Any Tender, and to Reject Any or All Tenders.**

39.1 The Procuring Entity reserves the right to accept or reject any Tender, and to annul the Tendering process and reject all Tenders at any time prior to notification Award, without thereby incurring any liability to Tenderers. In case of annulment, all Tenderers shall be notified with reasons and all Tenders submitted and specifically, tender securities, shall be promptly returned to the Tenderers.

## **F. Award of Contract**

### **40. Award Criteria**

40.1 The Procuring Entity shall award the Contract to the successful tenderer whose tender has been determined to be the Lowest Evaluated Tender in accordance with procedures in Section 3: Evaluation and Qualification Criteria.

### **41. Procuring Entity's Right to Vary Quantities at Time of Award**

41.1 The Procuring Entity reserves the right at the time of Contract award to increase or decrease, by the percentage (s) for items as indicated **in the TDS.**

### **42. Notice of Intention to enter into a Contract**

Upon award of the contract and Prior to the expiry of the Tender Validity Period the Procuring Entity shall issue a Notification of Intention to Enter into a Contract / Notification of award to all tenderers which shall contain, at a minimum, the following information:

- a) the name and address of the Tenderer submitting the successful tender;
- b) the Contract price of the successful tender;
- c) a statement of the reason(s) the tender of the unsuccessful tenderer to whom the letter is addressed was unsuccessful, unless the price information in (c) above already reveals the reason;
- d) the expiry date of the Standstill Period; and
- e) instructions on how to request a debriefing and/or submit a complaint during the standstill period;

### **43. Standstill Period**

43.1 The Contract shall not be awarded earlier than the expiry of a Standstill Period of 14 days to allow any dissatisfied candidate to launch a complaint. Where only one Tender is submitted, the Standstill Period shall not apply.

43.2 Where standstill period applies, it shall commence when the Procuring Entity has transmitted to each Tenderer the Notification of Intention to Enter into a Contract to the successful Tenderer.

### **44. Debriefing by the Procuring Entity**

44.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 41, an unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.

44.2 Debriefings of unsuccessful Tenderers may be done in writing or verbally. The Tenderer shall bear its own costs of attending such a debriefing meeting.

#### **45. Letter of Award**

Prior to the expiry of the Tender Validity Period and upon expiry of the Standstill Period specified in ITT 42, upon addressing a complaint that has been filed within the Standstill Period, the Procuring Entity shall transmit the Letter of Award to the successful Tenderer. The letter of award shall request the successful tenderer to furnish the Performance Security within 21 days of the date of the letter.

#### **46. Signing of Contract**

46.1 Upon the expiry of the fourteen days of the Notification of Intention to enter into contract and upon the parties meeting their respective statutory requirements, the Procuring Entity shall send the successful Tenderer the Contract Agreement.

46.2 Within fourteen (14) days of receipt of the Contract Agreement, the successful Tenderer shall sign, date, and return it to the Procuring Entity.

46.3 The written contract shall be entered into within the period specified in the notification of award and before expiry of the tender validity period.

#### **47. Performance Security**

47.1 Within twenty-one (21) days of the receipt of Letter of Acceptance from the Procuring Entity, the successful Tenderer, if required, shall furnish the Performance Security in accordance with the GCC 18, using for that purpose the Performance Security Form included in Section X, Contract Forms. If the Performance Security furnished by the successful Tenderer is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Tenderer to be acceptable to the Procuring Entity. A foreign institution providing a bond shall have a correspondent financial institution located in Kenya, unless the Procuring Entity has agreed in writing that a correspondent financial institution is not required.

47.2 Failure of the successful Tenderer 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 Tender Security. In that event the Procuring Entity may award the Contract to the Tenderer offering the next lowest Evaluated Tender.

47.3 Performance security shall not be required for a contract, if so specified in the TDS.

#### **48. Publication of Procurement Contract**

48.1 Within fourteen days after signing the contract, the Procuring Entity shall publish and publicize the awarded contract at its notice boards, entity website; and on the Website of the Authority in manner and format prescribed by the Authority. At the minimum, the notice shall contain the following information:

- a) name and address of the Procuring Entity;
- b) name and reference number of the contract being awarded, a summary of its scope and the selection method used;
- c) the name of the successful Tenderer, the final total contract price, the contract duration.
- d) dates of signature, commencement and completion of contract;
- e) names of all Tenderers that submitted Tenders, and their Tender prices as read out at Tender opening;

#### **49. Procurement Related Complaints and Administrative Review**

49.1 The procedures for making a Procurement-related Complaint are as specified in the TDS.

49.2 A request for administrative review shall be made in the form provided under contract forms.

## SECTION II – TENDER DATA SHEET (TDS)

The following specific data shall complement, supplement, or amend the provisions in the Instructions to Tenderers (ITT). Whenever there is a conflict, the provisions herein shall prevail over those in ITT.

ITT Reference	Particulars of Appendix to Instructions to Tenders
<b>A. General</b>	
ITT 1.1	The reference number of the Request for Tenders (ITT) is: <i>CGN/FRA/1660208 - 2024/2025</i> The Procuring Entity is: <i>County Government of Nyandarua</i> The name of the ITT is: <i>Supply and Delivery of Assorted ICT and Communication Equipment</i> The number and identification of lots (contracts) comprising this ITT is: <i>N/A</i>
ITT 1.2(a)	<b>Electronic –Procurement System</b> The Procuring Entity shall use the following electronic-procurement system to manage this Tendering process: <b>IFMIS GOK Portal:</b> <a href="http://www.supplier.treasury.go.ke">www.supplier.treasury.go.ke</a> The electronic-procurement system shall be used to manage the following aspects of the Tendering process: Issuing ITT, submissions of Tenders, opening of Tenders, evaluation and award of tenders
ITT 2.3	The Information made available on competing firms is as follows: <i>N/A</i>
	The firms that provided consulting services for the contract being tendered for are: <i>N/A</i>
	The Commencement Date is: <b>Effective date of Contract Signing</b> The duration of the framework contract will be <b>two years</b> with an option of renewal up to a maximum of one time subject to satisfactory performance.
ITT 3.1	Maximum number of members in the Joint Venture (JV) shall be: <i>N/A</i>
ITT 3.7	A list of debarred firms and individuals is available on the PPRA’s website: <a href="http://www.ppra.go.ke">www.ppra.go.ke</a>
ITT 3.11	Tenderers shall be required to be to be registered with <i>N/A</i>
<b>B. Contents of Tendering Document</b>	
ITT 6.1	(a) Address where to send enquiries is:  <i>Head of Supply Chain Management Services County Government of Nyandarua P.O. BOX 701-20303 Ol Kalou Email: scms@nyandarua.go.ke</i>
	i) to reach the Procuring Entity not later than 7 <sup>th</sup> October, 2024 at 5:00 pm.  (b) The Procuring Entity shall publish its response at the website <a href="http://www.nyandarua.go.ke">www.nyandarua.go.ke</a>
ITT 6.2	A pre-tender conference will <b>not be held</b>
ITT 6.3	The questions to reach the Procuring Entity not later than 7 <sup>th</sup> <b>October, 2024.</b>
ITT 6.5	The Minutes of the Pre-Tender meeting shall be published on the at the website <i>N/A.</i>
<b>C. Preparation of Tenders</b>	
ITT 10 (j)	The Tenderer shall submit the following additional documents in its Tender: <i>specified in Section III, Evaluation and Qualification Criteria.</i>
ITT 12.1	Alternative Tenders <b>shall not be</b> considered.
ITT 13.5	The prices quoted by the Tenderer <b>shall not</b> be subject to adjustment during the performance of the Contract.
ITT 13.6	Prices quoted for each lot (contract) shall correspond at least to <b>100</b> percent of the items specified for each lot (contract). Prices quoted for each item of a lot shall correspond at least to <b>100</b> percent of the quantities specified for this item of a lot.

ITT Reference	Particulars of Appendix to Instructions to Tenders
ITT 13.8 (a) (i) and (iii)	Place of final destination: <i>As indicated on the Letter of Award – (County Government of Nyandarua)</i>
ITT 13.8 (a) (iii)	Final Destination (Project Site): <i>N/A</i>
ITT 13.8 (b) (i)	Named place of destination, in Kenya is <i>County Government of Nyandarua</i>
ITT 13.8 (b) (ii)	Price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination which is <i>as indicated on the Letter of Award – (County Government of Nyandarua)</i>
13.8 (c) (iv)	Place of final destination (Project Site) is <i>N/A</i>
ITT 14.2	Foreign currency requirements <i>not allowed</i> .
ITT 15.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts): <i>as per the warranty period</i>
ITT 16.2 (a)	Manufacturer’s authorization is: <i>may be required during mini-competition</i>
ITT 16.2 (b)	After sales service is: <i>required</i>
ITT 17.1	The Tender validity period shall be <i>140</i> days.
ITT 17.3	(a) The Number of days beyond the expiry of the initial tender validity period will be <i>90</i> days.  (b) The Tender price shall be adjusted by the following percentages of the tender price:  (i) By <i>0.5</i> % of the local currency portion of the Contract price adjusted to reflect local inflation during the period of extension, and  (ii) By <i>0.5</i> % the foreign currency portion of the Contract price adjusted to reflect the international inflation during the period of extension.
ITT 18.1	A Tender Security <i>shall not be</i> required. A Tender-Securing Declaration <i>shall be required in the format provided</i> .
ITT 19.1	In addition to the original of the Tender, the number of copies is: <i>One (Original &amp; Copy)</i>
ITT 19.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: <i>Power of Attorney</i> .
	<b>D. Submission and Opening of Tenders</b>
ITT 20.3	A tender package or container that cannot fit in the tender box shall be received at the following address:  <i>County Government of Nyandarua Supply Chain Management Offices P.O. BOX 701-20303 Ol Kalou Email: <a href="mailto:scms@nyandarua.go.ke">scms@nyandarua.go.ke</a></i>
ITT 21.1	For <b>Tender submission purposes</b> only, the Procuring Entity’s address is:  <i>Chief Officer - Finance County Government of Nyandarua P.O. BOX 701-20303 Ol Kalou</i>  <b>The deadline for Tender submission is:</b> Date: <i>16th October, 2024</i> . Time: <i>11:00 a.m.</i> <i>In the tender box situated at the entrance of the County Headquarters’ reception.</i> Tenderers <b>MUST</b> submit an exact replica of the tender document through the GOK IFMIS portal.
ITT 24.1	The Tender opening shall take place at: Physical Address: <i>Reception situated at the entrance of the County Government Headquarters offices next to the tender box.</i> Date: <i>16th October, 2024</i> . Time: <i>11:00 a.m.</i>



<b>ITT Reference</b>	<b>Particulars of Appendix to Instructions to Tenders</b>
<b>ITT 24.6</b>	The number of representatives of the Procuring Entity to sign is: <i>members of the tender opening committee</i>
<b>E. Evaluation and Comparison of Tenders</b>	
<b>ITT 29.3</b>	The manner of rectify quantifiable nonmaterial nonconformities described below: <i>As per the Act and Regulations.</i>
<b>ITT 31.1</b>	The currency that shall be used for Tender evaluation and comparison purposes to convert at the selling exchange rate all Tender prices expressed in various currencies into a single currency is: <i>Kenya Shillings.</i> The source of exchange rate shall be: <i>Central Bank of Kenya</i> The date for the exchange rate shall be: <i>date for tender submission.</i>
<b>ITT 32.3</b>	A margin of preference and/or reservation <i>shall</i> apply
<b>ITT 32.5</b>	The invitation to tender is extended to the following group that qualify for Reservations: <i>AGPO (Youth, Women &amp; Persons Living with Disabilities).</i>
<b>ITT 33.2</b>	Price evaluation will be done for <i>quoted items</i>
<b>ITT 33.2 (d)</b>	Additional evaluation factors are <i>specified in Section III, Evaluation and Qualification Criteria.</i>
<b>ITT 33.6</b>	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: (a) Deviation in Delivery schedule: <i>N/A</i> (b) Deviation in payment schedule: <i>N/A</i> (c) the cost of major replacement component, mandatory spare parts, and service: <i>N/A</i> (d) the availability in Kenya of spare parts and after-sales services for the equipment offered in the Tender <i>N/A</i> (e) Life cycle costs: the costs during the life of the goods or equipment <i>N/A</i> (f) the performance and productivity of the equipment offered; <i>N/A</i>
<b>F. Award of Contract</b>	
<b>ITT 41.1</b>	The maximum percentage by which quantities may be increased is: <i>15%</i> The maximum percentage by which quantities may be decreased is: <i>15%</i>
<b>ITT 41.1</b>	The Procuring Entity shall increase or decrease the quantity of Goods and Related Services by an amount not exceed <i>15%</i> and without any change in the unit prices or other terms and conditions of the Tender and the tendering document.
<b>ITT 47.3</b>	Performance security if so required shall be in the sum of <i>to be indicated in the letter of award.</i>
<b>ITT 49.1</b>	The procedures for making a Procurement-related Complaint are available from the PPRA Website <a href="http://www.ppra.go.ke">www.ppra.go.ke</a> or email <a href="mailto:complaints@ppra.go.ke">complaints@ppra.go.ke</a> .  If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by hand delivery or email to:  <p style="text-align: center;"><b>Head of Supply Chain Management Services</b> <b>County Government of Nyandarua</b> <b>P.O. BOX 701-20303 Ol Kalou</b> <b>Email: <a href="mailto:scms@nyandarua.go.ke">scms@nyandarua.go.ke</a></b></p> In summary, a Procurement-related Complaint may challenge any of the following:  (i) the terms of the Tender Documents; and (ii) the Procuring Entity's decision to award the contract.

## SECTION III - EVALUATION AND QUALIFICATION CRITERIA

### 1. General Provisions

- 11** Wherever a Tenderer is required to state a monetary amount, Tenderers should indicate the Kenya Shilling equivalent using the rate of exchange determined as follows:
- a) For business turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be converted) was originally established.
  - b) Value of single contract - Exchange rate prevailing on the date of the contract signature.
  - c) Exchange rates shall be taken from the publicly available source identified in **the ITT 14.3**. Any error in determining the exchange rates in the Tender may be corrected by the Procuring Entity.
- 12** This section contains the criteria that the Procuring Entity Procuring Entity shall use to evaluate tender and qualify tenderers. No other factors, methods or criteria shall be used other than those specified in this tender document. The Tenderer shall provide all the information requested in the forms included in Section IV, Tendering Forms. The Procuring Entity should use the Standard Tender Evaluation Report for Goods and Works for evaluating Tenders.

### 2. Evaluation of Tenders (ITT 33)

#### 21 Successful Tender or Tenders

The Procuring Entity shall use the criteria and methodologies listed in this Section to evaluate Tenders. By applying these criteria and methodologies, the Procuring Entity shall determine the successful Tender or Tenders which has/have been determined to:

- a) be substantially responsive to the tender documents;
- b) offer the lowest evaluated cost to the Procuring Entity for all items of Goods to be procured based on either a single Contract or all multiple Contracts combined, as the case may be, in accordance with the ITT 13.6 inviting Tender prices and discounts, and provisions made of the Tender Document for evaluation of tenders and award of contract (s); and
- c) be offered by Tenderer or Tenderers that substantially meet the qualification criteria applicable for Contract or combined Contracts for which they are selected.

#### 22 Evaluation of Tenders

##### **Preliminary examination for Determination of Responsiveness**

The Procuring Entity will start by examining all tenders to ensure they meet in all respects the eligibility criteria and other mandatory requirements in the ITT, and that the tender is complete in all aspects in meeting the requirements provided for in the preliminary evaluation criteria outlined below. The Standard Tender Evaluation Report Document for Goods and Works for evaluating Tenders provides very clear guide on how to deal with review of these requirements. Tenders that do not pass the Preliminary Examination will be considered non-responsive and will not be considered further.

### Stage 1: Mandatory Requirements

No.	Requirements	Responsiveness
MR1	Submit a copy of Certificate of Registration or Incorporation	
MR2	Provide a Certificate of Confirmation of Directors and Shareholding (CR 12) for companies Incorporated under the Company's Act issued within the last twelve (12) months from the date of tender opening. For companies operating under Business names, provide copies of Directors / Shareholders Identification documents (IDs or Passports).	
MR3	Must submit a copy of Valid Tax Compliance certificate from Kenya Revenue Authority (tax compliance certificate MUST be valid at the date of tender opening.	
MR4	Submit copy of County Government Single Business Permit	
MR5	Must fill, sign and stamp t h e certificate of independent tender determination in the Format provided	
MR6	Must submit a duly filled signed and stamped Tender-Securing Declaration in the Format provided	
MR7	Must submit a duly filled up Confidential Business Questionnaire in the format provided	
MR8	Must submit Price schedule dully completed, signed and stamped by the tenderer in the format provided	
MR9	Must fill, sign and Stamp the declaration and commitment to the code of ethics	
MR10	Must submit Bound "Original" and "Copy" tender documents	
MR11	Duly filled, signed and stamped Self-Declaration Form that the Tenderer is not Debarred	
MR12	Dully filled, signed and Stamped Self Declaration form that the Tenderer will not engage in any Corrupt or Fraudulent Practice	
MR13	Tenderer MUST provide Power of Attorney OR a written authorization clearly indicating who the tenderers' authorized representative is. The tenderer's representative must be the one to duly fill and sign all the documents submitted. Power of Attorney shall not be required where the signatory(ies) of the tender are directors/shareholders as declared in the CR12 for incorporated companies or similar document for business names.	
MR14	Valid Access to Government Procurement Opportunities (AGPO) Certificate (Youth / Women / PWD)	
MR15	The tender document <b>SHALL</b> : i) Be paginated / serial numbered with pages in the whole document from the cover page numbered in the correct sequence including all appendixes and attachments. The document shall be paginated / serial numbered in a continuous ascending order i.e sequentially paginated, from the first page to the last in this format; (i.e., 1, 2, 3..... n, where n is the last page). ii) Be firmly bound and should not have any loose pages. Spiral binding and files (spring and box) shall not be acceptable. Hardcopies of the tender <b>MUST</b> be submitted and an exact replica of the tender document <b>MUST</b> also be submitted in soft copy through the IFMIS GOK Portal <a href="http://www.suppliers.treasury.go.ke">www.suppliers.treasury.go.ke</a> .	

**N/B; AT THIS STAGE, THE TENDERER'S SUBMISSION WILL EITHER BE RESPONSIVE OR NON-RESPONSIVE. THE NON-RESPONSIVE SUBMISSIONS WILL BE ELIMINATED FROM THE ENTIRE EVALUATION PROCESS AND WILL NOT BE CONSIDERED FURTHER.**

## Stage 2: Technical Evaluation

No	Technical Requirement	Maximum Score
1.	Experience of company a. registered at least four (4) years prior to applications submission deadline (max points) b. Three years and below (5points) Attach Certificate of Incorporation	10
2.	Proof of similar goods supplied to any county government/organization. a. More than 5 assignments similar to this (max points) b. Each assignment 5 points Attach LPO's and/or Contracts	25
3.	Minimum average annual work of: - a. Kenya Shillings five hundred thousand (Kes 500,000) or more (20 points) b. Kenya Shillings (Kes 250,000 – 499.000) (15 points) c. Kenya Shillings (Kes 100,000 – 249,000) (10 points) d. Less than Kenya Shillings 100,000 (5 points) Attach LSO's and/or Contracts	20
4.	Maximum duration of credit facility (indicate maximum no. of days in which credit can be given) a. more than 3moths (max points) b. between 1-3 months (10 points) c. less than a month (5 points) Attach commitment letter dully signed and stamped	15
5.	Demonstrate access to, or availability of, financial resource such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet the following cash-flow requirement: a. Kenya Shillings five hundred thousand (Kes 500,000) per month or more (20 points) b. Kenya Shillings (Kes 250,000 – 499.000) per month (15 points) c. Kenya Shillings (Kes 100,000 – 249,000) per month (10 points) d. Less than Kenya Shillings 100,000 (5 points) Attach bank statement(s) for the last 6 months and/or letter from bank confirming access to line of credit.	20
6.	Information on bidder's Bankers including authority to contact banks. Provide certified letter from bank with Name, Postal Address, Telephone of Banks a. if given max points b. if not given nil points. Attach letter from Bank(s)	10
	<b>TOTAL</b>	<b>100</b>

Pass mark for technical evaluation is **80%**. The bidder who attains 80% and above in the Technical Evaluation shall proceed to financial evaluation and post qualification checks.

## Stage 3 – Financial Evaluation

The responsive bidder(s) will be considered for Financial Evaluation. At this stage, bidders who have passed Technical Evaluation will be checked against:

a) Arithmetical Errors: A bidder whose bid will have arithmetical errors shall be quantified and treated as stipulated in the Public Procurement and Asset Disposal Regulations 2020 section 74(2).

- b) Tender Security: Tenderers must provide duly filled signed and stamped Tender-Securing Declaration
- c) Price schedule: Must be fully filled, signed and stamped as indicated in the instructions to tenderers.
- d) Form of tender: Must be correctly filled, signed and stamped with total contract sum both in figures and word by the Tenderer.
  - i) Due diligence/ Post-qualification

County Government of Nyandarua may conduct due diligence on the lowest evaluated bidder prior to the Award as per the Public Procurement and Assets Disposal Act, 2015.

The County Treasury shall verify and determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated bid is responsive and qualified to perform the contract satisfactorily

## **221 Evaluation of Technical aspects of the Tender**

The Procuring Entity shall evaluate the Technical aspects of the Tender to determine compliance with the Procuring Entity's requirements under Section V 'Schedule of Requirement' and whether the Tenders are substantially responsive to the Technical Specifications and other Requirements.

## **222 Evaluation of Commercial Terms and Conditions of the Tender (ITT 33.1(a)):**

The Procuring Entity shall determine whether the Tenders are substantially responsive to the Commercial and Contractual Terms and Conditions (e.g. Performance securities, Payment and delivery schedules).

## **223 Evaluation Criteria (Other Factors) (ITT 33.6)**

The Procuring Entity's evaluation of a Tender may take into account, in addition to the Tender Price quoted in accordance with ITT 13.8, one or more of the following factors as specified in ITT 33.2(d) and in TDS ITT 33.6, using the following criteria and methodologies.

### **a) Delivery schedule.**

The Goods specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section V, Schedule of Requirements. No credit will be given to deliveries before the earliest date, and Tenders offering delivery after the final date shall be treated as non-responsive. Within this acceptable period, an adjustment of [insert the adjustment factor], will be added, for evaluation purposes only, to the Tender price of Tenders offering deliveries later than the "Earliest Delivery Date" specified in Section V, Schedule of Requirements.

### **b) Deviation in payment schedule: N/A**

### **c) Cost of major replacement components: N/A**

### **d) Availability in Kenya of spare parts and after sales services for equipment offered in the Tender: N/A**

### **e) Life Cycle Costs: N/A**

### **f) Performance and productivity of the equipment: N/A**

### **g) Specific additional criteria**

[Other specific additional criteria to be considered in the evaluation, and the evaluation method shall be detailed in TDS 34.6][If specific **sustainable**

**procurement technical requirements** have been specified in Section VII-Specification, **either** state that (i) those requirements will be evaluated on a pass/fail (compliance basis) **or** otherwise (ii) in addition to evaluating those requirements on a pass/fail (compliance basis), if applicable, specify the monetary adjustments to be applied to Tender Prices for comparison purposes on account of Tenders that exceed the specified minimum sustainable procurement technical requirements.]

#### **224. Multiple Contracts (ITT 33.4)**

Tenders are invited for individual lots, the contract will be awarded to the tenderer offering a substantially responsive Tender(s) and the lowest evaluated cost for individual lots, subject to the selected tenderer(s) meeting the required qualification criteria (this Section III, Sub-Section ITT 36 Qualification Requirements) for each lot. In determining tenderer that offer the lowest evaluated cost to the Procuring Entity for each lot, the Procuring Entity shall apply the following steps in sequence:

- (a) evaluate individual lots to determine the substantially responsive Tenders and corresponding evaluated costs;
- (b) for each lot, rank the substantially responsive Tenders starting from the lowest evaluated cost for the lot;
- (c) apply to the evaluated costs listed in (b) above, any applicable discounts/price reductions offered by a tenderer (s) for the award of each Lot based on the discounts and the methodology for their application offered by the respective Tenderer; and
- (d) determine contract award based on the lots that offer the tender offers each of which has the lowest evaluated cost to the Procuring Entity.

#### **225. Alternative Tenders: N/A**

### **3. MARGIN OF PREFERENCE**

- 31** If the TDS so specifies, the Procuring Entity will grant a margin of preference of 15% (fifteen percent) to Tenderers offering goods manufactured, mined, extracted, grown, assembled or semi-processed in Kenya. Goods assembled or semi-processed in Kenya shall have a local content of not less than 40%.
- 32** The margin of preference will be applied in accordance with, and subject to, the following provisions:
  - a)** Tenderers applying for such preference on goods offered shall provide, as part of the data for qualification, such information, including details of the goods produced in Kenya, so as to determine whether, according to the classification established by the Procuring Entity, a particular category of goods or group of goods qualifies for a margin of preference.
  - b)** After Tenders have been received and reviewed by the Procuring Entity, goods offered in the responsive Tenders shall be assessed to ascertain they are manufactured, mined, extracted, grown, assembled or semi- processed in Kenya. Responsive tenders shall be classified into the following groups:
    - i)** **Group A:** Tenders offering goods manufactured in Kenya, for which (a) labour, raw materials, and components from within Kenya account for more than forty (40) percent of the Ex-Works price; and (b) 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 Tender Submission date;
    - ii)** **Group B:** All other Tenders offering Goods manufactured in Kenya;
    - iii)** **Group C:** Tenders offering Goods manufactured outside Kenya that have been already imported or that will be imported.
  - c)** To facilitate this classification by the Procuring Entity, the Tenderer shall complete

whichever version of the Price Schedule furnished in the Tender Documents is appropriate. Incorrect classification may render the Tender non-responsive as no reclassification will be permitted after Tender opening. Tenderers shall provide correct information especially with respect to duties, taxes etc. paid on previously imported Goods and percentage of local labour, materials and components for Goods manufactured in Kenya as any false information which cannot be supported by documentation may render the Tender non-responsive besides other sanctions for providing falsified information.

- d) The Procuring Entity will first review the Tenders to confirm the appropriateness of the Tender group classification to which Tenderers assigned their Tenders in preparing their Tender Forms and Price Schedules.
- e) All evaluated Tenders in each group will then be compared to determine the lowest evaluated Tender of each group. Such lowest evaluated Tenders shall be compared with each other and if as a result of this comparison a Tender from Group A or Group B is the lowest, it shall be selected for the award.
- f) If as a result of the preceding comparison, the lowest evaluated Tender is a Tender from Group C, all Tenders from Group C shall be further compared with the lowest evaluated Tender from Group A after adding to the evaluated price of goods offered in each Tender from Group C, for the purpose of this further comparison only, an amount equal to 15% (fifteen percent) of the respective CIP Tender price for goods to be imported and already imported goods. Both prices shall include unconditional discounts and be corrected for arithmetical errors. If the Tender from Group A is the lowest, it shall be selected for award. If not, the lowest evaluated Tender from Group C shall be selected as per paragraph (e) above.”

#### **4 Post-Qualification of Tenderers (ITT 37)**

##### **41 Post-Qualification Criteria (ITT 37.1)**

In case the tender was not subject to pre-qualification, the tender that has been determined to be the lowest evaluated tenderer shall be considered for contract award, subject to meeting each of the following conditions (post qualification Criteria applied on a GO/NO GO basis). The Procuring Entity shall carry out the post-qualification of the Tenderer in accordance with ITT 37, using only the requirements specified herein. Requirements not included in the text below shall not be used in the evaluation of the Tenderer's qualifications. The minimum qualification requirements for multiple contracts will be the sum of the minimum requirements for respective individual contracts, unless otherwise specified.

##### **42 If the Tenderer is a manufacturer**

###### **a) Financial Capability**

- i) The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the supply cash flow of *the value of the quoted items*.
- ii) Minimum average annual supply turnover of *Kenya Shillings Two Million* or equivalent calculated as total certified payments received for contracts of goods manufactured and supplied within the last *3 years*. In case of multiple contracts, limitation will be placed on the number of item(s) that will be awarded to the Tenderer.

###### **b) Experience and Technical Capacity**

The Tenderer shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s) using the form provided in Section IV. In case the Tenderer is a JV, experience and demonstrated technical capacity of only the JV shall be taken into account and not of individual members nor their individual experience/capacity will be aggregated unless all members of the JV have been manufacturing and supplying Goods offered in the Tender to the same technology, processing, design, materials, specifications, model number, etc. in all respects such

that Goods manufactured have the same functional characteristics, performance parameters, outputs and other guarantees and fully interchangeable which shall be documented along with other required documents demonstrating capacity to the satisfaction of the Procuring Entity in case individual members claim experience. Otherwise, documents evidencing experience and technical capacity shall be in the name of the JV that submitted the Tender. Wherever the Words "Similar Goods" have been used it includes upgrades, latest and improved versions or models of similar specifications and technology. Refer to Form Exp-1 to provide the required information.

- i) The Tenderer shall be manufacturing similar Goods for the last **3 years**.
- ii) The Tenderer shall furnish documentary evidence to demonstrate successful completion of at least of contracts of similar Goods in the last **3 years** each contract costing at least Kenya shillings\_\_equivalent and involving a supply of at least **75%** of required quantity
- iii) (**Optional**) The installed capacity to manufacture\_\_\_\_\_number of items (*specify the relevant item number*) shall not be less than\_\_\_\_\_units per \_\_\_\_\_ (*specify week or month*).

**c) (Optional) Documentary Evidence of Usage of Goods (When appropriate)**

The Tenderer shall furnish documentary evidence satisfactory to the Procuring Entity to demonstrate that similar Goods as offered in the Tender have been in successful use or operation for the last\_\_\_\_\_years. If the Tenderer is a JV, the evidence of demonstrated usage of Goods supplied in the past shall be in the name of the JV.

**43 If Tenderer is a Supplier:**

If a Tenderer is a Supplier offering the Goods on behalf of or from a Manufacturer under Manufacturer's Authorization Form (Section IV, Tendering Forms), the Manufacturer shall demonstrate the above qualifications 4.2 (b) (i), (ii), and (iii) and the Tenderer shall demonstrate it meets the following criteria.

- i) The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the supply cash flow of *the value of the quoted items*.
- ii) Minimum average annual supply turnover of **Kenya Shillings One Million** or equivalent calculated as total certified payments received for contracts in progress and/or completed within the last **3 years**.

**44** Has satisfactorily and substantially completed at least *one* contract(s) of a similar nature either within Kenya, the East African Community or abroad, as a prime supplier or a joint venture member, each of a minimum value in Kenya shillings *the value of the quoted items*.

**45 History of non-performing contracts:**

Tenderer (Supplier or/and manufacturer, and each member of JV in case the Tenderer is a JV, shall demonstrate that Non-performance of a contract did not occur as a result of the default of the Tenderer, manufacturer or the member of JV as the case may be, in the last **3 years**. The required information shall be furnished as per form CON-2].

**46 Pending Litigation**

Financial position and prospective long-term profitability of the Single Tenderer, and in the case the Tenderer is a JV, of each member of the JV, shall remain sound according to criteria established with respect to Financial Capability under paragraph I (i) above assuming that all pending litigation will be resolved against the Tenderer. Tenderer shall provide information on pending litigations as per Form CON-2.

**4.6. Litigation History**

There shall be no consistent history of court/arbitral award decisions against the



Tenderer, in the last 3 *years*. All parties to the contract shall furnish the information on the related Form (CON-2) about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the years specified. A consistent history of awards against the Tenderer or any member of a JV may result in rejection of the tender.

## **SECTION IV - TENDERING FORMS**

Form of Tender Tenderer Information Form Tenderer JV Members Information Form

Price Schedule: Goods Manufactured Outside Kenya, to be Imported Price Schedule: Goods

Manufactured Outside Kenya, already imported Price Schedule: Goods Manufactured in Kenya

Price and Completion Schedule – Related Services Form of Tender Security – Demand

Guarantee Form of Tender Security (Tender Bond)

Form of Tender-Securing Declaration Manufacturer's Authorization Form

## FORM OF TENDER

(Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)

### INSTRUCTIONS TO TENDERERS

- i) *All italicized text is to help the Tenderer in preparing this form.*
- ii) *The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address. Tenderers are reminded that this is a mandatory requirement.*
- iii) *Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION FORMS OF THE TENDERER as listed under (s) below.*

**Date of this Tender submission:**.....[insert date (as day, month and year) of Tender submission] **Tender**

**Name**                      **and**                      **Identification:**.....[insert                      *identification*] **Alternative**

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

**To:** ..... [Insert complete name of Procuring Entity]

- a) **No reservations:** We have examined and have no reservations to the Tendering document, including Addenda issued in accordance with Instructions to tenderers (ITT 7);
- b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITT 3;
- c) **Tender/Proposal-Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing Declaration. Or Proposal-Securing Declaration in Kenya in accordance with ITT 3.6;
- d) **Conformity:** We offer to supply in conformity with the Tendering document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: [*insert a brief description of the Goods and Related Services*];
- e) **Tender Price:** The total price of our Tender, excluding any discounts offered in item (f) below as per listed Lots (list each lot with its price and then the total of all tendered for lots) [*insert the prices of the Tender in words and figures, indicating the various amounts for lots and the respective currencies*];
- f) **Discounts:** The discounts offered and the methodology for their application are:
  - i) The discounts offered are: [*Specify in detail each discount offered.*]
  - ii) The exact method of calculations to determine the net price after application of discounts are shown below: [*Specify in detail the method that shall be used to apply the discounts*];
- g) **Tender Validity Period:** Our Tender shall be valid for the period specified in TDS 17.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 21.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- h) **Performance Security:** If our Tender is accepted, we commit to obtain a performance security in accordance with the Tendering document;
- i) **One Tender per tenderer:** We are not submitting any other Tender(s) as an individual tenderer, and we are not participating in any other Tender(s) as a Joint Venture member, or as a subcontractor, and meet the requirements of ITT 3.9, other than alternative Tenders submitted in accordance with ITT 12;
- j) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring Entity. Further, we are not ineligible under the Kenya laws or official regulations or pursuant

to a decision of the United Nations Security Council;

- k) **State-owned enterprise or institution:** *[select the appropriate option and delete the other] [We are not a state-owned enterprise or institution] / [We are a state-owned enterprise or institution but meet the requirements of ITT 3.7];*
- l) **Commissions, gratuities, fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the Tendering process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate “none.”)

- m) **Binding Contract:** We understand that this Tender, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- n) **Procuring Entity Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Tender, the Best Evaluated Tender or any other Tender that you may receive; and
- o) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.
- p) **Code of Ethical Conduct:** We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal, copy available from \_\_\_\_\_ (*specify website*) during the procurement process and the execution of any resulting contract.
- q) **Collusive practices:** We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the “Certificate of Independent tender Determination” attached below.
- r) **Beneficial Ownership Information:** We commit to provide to the procuring entity the Beneficial Ownership Information in conformity with the Beneficial Ownership Disclosure Form upon receipt of notification of intention to enter into a contract in the event we are the successful tenderer in this subject procurement proceeding.
- s) We, the Tenderer, have duly completed, signed and stamped the following Forms as part of our Tender:
  - a) Tenderer's Eligibility; Confidential Business Questionnaire – to establish we are not in any conflict to interest;
  - b) Certificate of Independent Tender Determination – to declare that we completed the tender without colluding with other tenderers;
  - c) Self-Declaration of the Tenderer – to declare that we will, if awarded a contract, not engage in any form of fraud and corruption; and
  - d) Declaration and Commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal.

Further, we confirm that we have read and understood the full content and scope of fraud and corruption as informed in “**Appendix 1- Fraud and Corruption**” attached to the Form of Tender.

Name of the tenderer: .....

Name of the person duly authorized to sign the Tender on behalf of the tenderer: .....

**Title of the person signing the Tender:** .....

**Signature of the person named above:** .....

**Date signed** .....**day of** ....., .....

\*: In the case of the Tender submitted by a Joint Venture specify the name of the Joint Venture as tenderer.

\*\* : Person signing the Tender shall have the power of attorney given by the tenderer. The power of attorney shall be attached with the Tender Schedules.

## CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

I, the undersigned, in submitting the accompanying Letter of Tender to the \_\_\_\_\_  
\_\_\_\_\_ [Name of  
Procuring Entity] for: \_\_\_\_\_ [Name and  
number of tender] in response to the request for tenders made by: \_\_\_\_\_ [Name of  
Tenderer] do hereby make the following statements that I certify to be true and complete in  
every respect:

I certify, on behalf of \_\_\_\_\_ [Name  
of Tenderer] that:

1. I have read and I understand the contents of this Certificate;
2. I understand that the Tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am the authorized representative of the Tenderer with authority to sign this Certificate, and to submit the Tender on behalf of the Tenderer;
4. For the purposes of this Certificate and the Tender, I understand that the word “competitor” shall include any individual or organization, other than the Tenderer, whether or not affiliated with the Tenderer, who:
  - a) has been requested to submit a Tender in response to this request for tenders;
  - b) could potentially submit a tender in response to this request for tenders, based on their qualifications, abilities or experience;
5. The Tenderer discloses that [check one of the following, as applicable]:
  - a) The Tenderer has arrived at the Tender independently from, and without consultation, communication, agreement or arrangement with, any competitor;
  - b) the Tenderer has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this request for tenders, and the Tenderer discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements;
6. In particular, without limiting the generality of paragraphs (5)(a) or (5)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - a) prices;
  - b) methods, factors or formulas used to calculate prices;
  - c) the intention or decision to submit, or not to submit, a tender; or
  - d) the submission of a tender which does not meet the specifications of the request for Tenders; except as specifically disclosed pursuant to paragraph (5)(b) above;
7. In addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the works or services to which this request for tenders relates, except as specifically authorized by the procuring authority or as specifically disclosed pursuant to paragraph (5)(b) above;
8. the terms of the Tender have not been, and will not be, knowingly disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening, or of the awarding of the Contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (5)(b) above.

Name

---

Title

---

Date

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*[Name, title and signature of authorized agent of Tenderer and Date]*

## SELF-DECLARATION FORMS

### FORM SD1

#### SELF DECLARATION THAT THE PERSON/TENDERER IS NOT DEBARRED IN THE MATTER OF THE PUBLIC PROCUREMENT AND ASSET DISPOSAL ACT 2015.

I ..... of Post Office Box.....being a resident of ..... in the Republic of.....do hereby make a statement as follows:-

1. THAT I am the Company Secretary/ Chief Executive/Managing Director/Principal Officer/Director of ..... (*insert name of the Company*) who is a Bidder in respect of **Tender No.** ..... for..... (*insert tender title/description*) for.....(*insert name of the Procuring entity*) and duly authorized and competent to make this statement.
2. THAT the aforesaid Bidder, its Directors and subcontractors have not been debarred from participating in procurement proceeding under Part IV of the Act.
3. THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

.....  
(Title)

.....  
(Signature)

.....  
(Date)

Bidder Official Stamp



**FORM SD2**

**SELF DECLARATION THAT THE PERSON/TENDERER WILL NOT ENGAGE IN ANY CORRUPT OR FRAUDULENT PRACTICE**

I, ..... of P.O. Box.....being a resident of..... in the Republic of ..... do hereby make a statement as follows:-

1. THAT I am the Chief Executive/Managing Director/Principal Officer/Director of..... (*insert name of the Company*) who is a Bidder in respect of **Tender No.** ..... for..... (*Insert tender title/description*) for..... (*insert name of the Procuring entity*) and duly authorized and competent to make this statement.
2. THAT the aforesaid Bidder, its servants and/or agents /subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board, Management, Staff and/or employees and/or agents of .....(*insert name of the Procuring entity*) which is the procuring entity.
3. THAT the aforesaid Bidder, its servants and/or agents /subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents of .....(*name of the procuring entity*).
4. THAT the aforesaid Bidder will not engage/has not engaged in any corrosive practice with other bidders participating in the subject tender.
5. THAT what is deponed to herein above is true to the best of my knowledge information and belief.

.....  
(Title)

.....  
(Signature)

.....  
(Date)

Bidder's Official Stamp

## DECLARATION AND COMMITMENT TO THE CODE OF ETHICS

I..... (Person) on behalf of (*Name of the Business/ Company/Firm*).....declare that I have read and fully understood the contents of the Public Procurement & Asset Disposal Act, 2015, Regulations and the Code of Ethics for persons participating in Public Procurement and Asset Disposal and my responsibilities under the Code.

I do hereby commit to abide by the provisions of the Code of Ethics for persons participating in Public Procurement and Asset Disposal.

Name of Authorized signatory.....

Sign.....

Position.....

Office address..... Telephone.....

E-mail.....

Name of the Firm/Company.....

Date.....

**(Company Seal/ Rubber Stamp where applicable)**

Witness

Name .....

Sign.....

Date.....

## APPENDIX 1- FRAUD AND CORRUPTION

### 1. Purpose

- 1.1 The Government of Kenya's Anti-Corruption and Economic Crime laws and their sanction's policies and procedures, Public Procurement and Asset Disposal Act (*no. 33 of 2015*) and its Regulation, and any other Kenya's Acts or Regulations related to Fraud and Corruption, and similar offences, shall apply with respect to Public Procurement Processes and Contracts that are governed by the laws of Kenya.

### 2. Requirements

- 2.1 The Government of Kenya requires that all parties including Procuring Entities, Tenderers, (applicants/proposers), Consultants, Contractors and Suppliers; any Sub-contractors, Sub-consultants, Service providers or Suppliers; any Agents (whether declared or not); and any of their Personnel, involved and engaged in procurement under Kenya's Laws and Regulation, observe the highest standard of ethics during the procurement process, selection and contract execution of all contracts, and refrain from Fraud and Corruption and fully comply with Kenya's laws and Regulations as per paragraphs 1.1 above.
- 2.2 Kenya's public procurement and asset disposal act (*no. 33 of 2015*) under Section 66 describes rules to be followed and actions to be taken in dealing with Corrupt, Coercive, Obstructive, Collusive or Fraudulent practices, and Conflicts of Interest in procurement including consequences for offences committed. A few of the provisions noted below highlight Kenya's policy of no tolerance for such practices and behavior:
  - 1) a person to whom this Act applies shall not be involved in any corrupt, coercive, obstructive, collusive or fraudulent practice; or conflicts of interest in any procurement or asset disposal proceeding;
  - 2) A person referred to under subsection (1) who contravenes the provisions of that sub-section commits an offence;
  - 3) Without limiting the generality of the subsection (1) and (2), the person shall be—
    - a) disqualified from entering into a contract for a procurement or asset disposal proceeding; or
    - b) if a contract has already been entered into with the person, the contract shall be voidable;
  - 4) The voiding of a contract by the procuring entity under subsection (7) does not limit any legal remedy the procuring entity may have;
  - 5) An employee or agent of the procuring entity or a member of the Board or committee of the procuring entity who has a conflict of interest with respect to a procurement:-
    - a) shall not take part in the procurement proceedings;
    - b) shall not, after a procurement contract has been entered into, take part in any decision relating to the procurement or contract; and
    - c) shall not be a subcontractor for the bidder to whom was awarded contract, or a member of the group of bidders to whom the contract was awarded, but the subcontractor appointed shall meet all the requirements of this Act.
  - 6) An employee, agent or member described in subsection (1) who refrains from doing anything prohibited under that subsection, but for that subsection, would have been within his or her duties shall disclose the conflict of interest to the procuring entity;
  - 7) If a person contravenes subsection (1) with respect to a conflict of interest described in subsection (5)(a) and the contract is awarded to the person or his relative or to another person in whom one of them had a direct or indirect pecuniary interest, the contract shall be terminated and all costs incurred by the public entity shall be made good by the awarding officer. Etc.
- 2.3 In compliance with Kenya's laws, regulations and policies mentioned above, the Procuring Entity:

- a) Defines broadly, for the purposes of the above provisions, the terms set forth below as follows:
- i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
  - ii) “fraudulent practice” is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;
  - iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
  - iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
  - v) “obstructive practice” is:
    - deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede investigation by Public Procurement Regulatory Authority (PPRA) or any other appropriate authority appointed by Government of Kenya 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; or
    - acts intended to materially impede the exercise of the PPRA's or the appointed authority's inspection and audit rights provided for under paragraph 2.3 e. below.
- b) Defines more specifically, in accordance with the above procurement Act provisions set forth for fraudulent and collusive practices as follows:
- "fraudulent practice" includes a misrepresentation of fact in order to influence a procurement or disposal process or the exercise of a contract to the detriment of the procuring entity or the tenderer or the contractor, and includes collusive practices amongst tenderers prior to or after tender submission designed to establish tender prices at artificial non-competitive levels and to deprive the procuring entity of the benefits of free and open competition.
- c) Rejects a proposal for award<sup>1</sup> of a contract if PPRA determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
  - d) Pursuant to the Kenya's above stated Acts and Regulations, may sanction or debar or recommend to appropriate authority (ies) for sanctioning and debarment of a firm or individual, as applicable under the Acts and Regulations;
  - e) Requires that a clause be included in Tender documents and Request for Proposal documents requiring (i) Tenderers (applicants/proposers), Consultants, Contractors, and Suppliers, and their Sub-contractors, Sub-consultants, Service providers, Suppliers, Agents personnel, permit the PPRA or any other appropriate authority appointed by Government of Kenya to inspect<sup>2</sup> all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the PPRA or any other appropriate authority appointed by Government of Kenya; and
  - f) Pursuant to Section 62 of the above Act, requires Applicants/Tenderers to submit

along with their Applications/Tenders/Proposals a “Self-Declaration Form” as included in the procurement document declaring that they and all parties involved in the procurement process and contract execution have not engaged/will not engage in any corrupt or fraudulent practices.

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<sup>1</sup>For the avoidance of doubt, a party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and tendering, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

<sup>2</sup>Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Investigating Authority or persons appointed by the Procuring Entity to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

## TENDERER INFORMATION FORM

*[The tenderer 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 Tender submission]*

**Tender Name and Identification:**..... *[Insert identification]*

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

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Tenderer's Name <i>[insert Tenderer's legal name]</i>
2. In case of JV, legal name of each member: <i>[insert legal name of each member in JV]</i>
3. Tenderer's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4. Tenderer's year of registration: <i>[insert Tenderer's year of registration]</i>
5. Tenderer's Address in country of registration: <i>[insert Tenderer's legal address in country of registration]</i>
6. Tenderer's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> 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"/> For Kenyan Tenderers a current tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority in accordance with ITT 3.14. <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITT 3.4. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT 3.1. <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITT 4.6 documents establishing: (i) Legal and financial autonomy (ii) Operation under commercial law (iii) Establishing that the tenderer is not under the supervision of the Procuring Entity
2. Included are the organizational chart and a list of Board of Directors

## TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

### a) Instruction to Tenderer

Tender is instructed to complete the particulars required in this Form, *one form for each entity if Tender is a JV*. Tenderer is further reminded that it is an offence to give false information on this Form.

### A. Tenderer's details

	ITEM	DESCRIPTION
1	Name of the Procuring Entity	
2	Name of the Tenderer	
3	Full Address and Contact Details of the Tenderer.	1. Country 2. City 3. Location 4. Building 5. Floor 6. Postal Address 7. Name and email of contact person.
4	Reference Number of the Tender	
5	Date and Time of Tender Opening	
6	Current Trade License No and Expiring date	
7	Maximum value of business which the Tenderer handles.	
8		

### General and Specific Details

#### b) Sole Proprietor, provide the following details.

Name in full \_\_\_\_\_

Age \_\_\_\_\_ Nationality \_\_\_\_\_

Country of Origin \_\_\_\_\_ Citizenship \_\_\_\_\_

#### c) Partnership, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

#### (d) Registered Company, provide the following details.

i) Private or public Company \_\_\_\_\_

ii) State the nominal and issued capital of the Company-

Nominal Kenya Shillings (Equivalent) .....  
 Issued Kenya Shillings (Equivalent) .....

iii) Give details of Directors as follows.

	<b>Names of Director</b>	<b>Nationality</b>	<b>Citizenship</b>	<b>% Shares owned</b>
1				
2				
3				

(e) **DISCLOSURE OF INTEREST-** Interest of the Firm in the Procuring Entity.

(i) Are there any person/persons in ..... (*Name of Procuring Entity*) who has an interest or relationship in this firm? Yes/No.....

If yes, provide details as follows.

	<b>Names of Person</b>	<b>Designation in the Procuring Entity</b>	<b>Interest Relationship or with Tenderer</b>
1			
2			
3			

(ii) Conflict of interest disclosure

	<b>Type of Conflict</b>	<b>Disclosure YES OR NO</b>	<b>If YES provide details of the relationship with Tenderer</b>
1	Tenderer is directly or indirectly controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Tender has a relationship with another tenderer, directly or through common third parties that puts it in a position to influence the tender of another tenderer, or influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Tender Document.		



	<b>Type of Conflict</b>	<b>Disclosure YES OR NO</b>	<b>If YES provide details of the relationship with Tenderer</b>
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who would be involved in the implementation or supervision of the Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract?		

(f) Certification

On behalf of the Tenderer, I certify that the information given above is correct.

Full Name \_\_\_\_\_

Title or Designation \_\_\_\_\_

(Signature)

(Date)

## TENDERER'S JV MEMBERS INFORMATION FORM

*[The tenderer shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the tenderer and for each member of a Joint Venture]].*

Date:.....*[insert date (as day, month and year) of Tender submission].*

**Tender Name and Identification:**.....*[insert identification Alternative No.:.....[insert identification No if this is a Tender for an alternative].*

Page\_\_\_\_\_of\_\_\_\_\_pages

1.	<i>[insert Tenderer's legal name]</i>	Tenderer's Name:
2.	Tenderer's JV Member's name: <i>[insert JV's Member legal name]</i>	
3.	Tenderer's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>	
4.	Tenderer's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>	
5.	Tenderer's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>	
6.	Tenderer's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member 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 equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITT 4.4. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Procuring Entity, in accordance with ITT 4.6.	
8.	Included are the organizational chart and a list of Board of Directors	

## **Price Schedule Forms**

*N/B; Refer to the Schedule of Requirements*

**FORM OF TENDER SECURITY-[Option 1–Demand Bank Guarantee]****Beneficiary:** \_\_\_\_\_**Request for Tenders No:**  
\_\_\_\_\_**Date:** \_\_\_\_\_**TENDER GUARANTEE No.:** \_\_\_\_\_**Guarantor:** \_\_\_\_\_

1. We have been informed that \_\_\_\_\_ (here inafter called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here inafter called" the Tender") for the execution of \_\_\_\_\_ under Request for Tenders No. \_\_\_\_\_ ("the ITT").
2. Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.
3. At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ (\_\_\_\_\_) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:
  - (a) has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Applicant; or
  - b) having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension there to provided by the Applicant, (i) has failed to execute the framework agreement, or (ii) has failed to furnish the Performance.
4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the framework agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) thirty days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

\_\_\_\_\_  
*[signature(s)]****Note: All italicized text is for use in preparing this form and shall be deleted from the final product.***

**FORMAT OF TENDER SECURITY [Option 2–Insurance Guarantee]**

**TENDER GUARANTEE No.:** \_\_\_\_\_

1. Whereas ..... [*Name of the tenderer*] (hereinafter called “the tenderer”) has submitted its tender dated ..... [*Date of submission of tender*] for the ..... [*Name and/or description of the tender*] (hereinafter called “the Tender”) for the execution of \_\_\_\_\_ under Request for Tenders No. \_\_\_\_\_ (“the ITT”).
2. KNOW ALL PEOPLE by these presents that WE ..... of ..... [**Name of Insurance Company**] having our registered office at ..... (hereinafter called “the Guarantor”), are bound unto ..... [*Name of Procuring Entity*] (hereinafter called “the Procuring Entity”) in the sum of ..... (Currency and guarantee amount) for which payment well and truly to be made to the said Procuring Entity, the Guarantor binds itself, its successors and assigns, jointly and severally, firmly by these presents.

Sealed with the Common Seal of the said Guarantor this \_\_\_ day of \_\_\_\_\_ 20 \_\_.

3. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Applicant:
  - a) has withdrawn its Tender during the period of Tender validity set forth in the Principal's Letter of Tender (“the Tender Validity Period”), or any extension thereto provided by the Principal; or
  - b) having been notified of the acceptance of its Tender by the Procuring Entity during the Tender Validity Period or any extension thereto provided by the Principal; (i) failed to execute the Contract agreement; or (ii) has failed to furnish the Performance Security, in accordance with the Instructions to tenderers (“ITT”) of the Procuring Entity's Tendering document.

then the guarantee undertakes to immediately pay to the Procuring Entity up to the above amount upon receipt of the Procuring Entity's first written demand, without the Procuring Entity having to substantiate its demand, provided that in its demand the Procuring Entity shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) twenty-eight days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

\_\_\_\_\_  
*[Date]*

\_\_\_\_\_  
*[Signature of the Guarantor]*

\_\_\_\_\_  
*[Witness]*

\_\_\_\_\_  
*[Seal]*

**Note: All italicized text is for use in preparing this form and shall be deleted from the final product.**

**FORM OF TENDER-SECURING DECLARATION**

*[The Bidder shall complete this Form in accordance with the instructions indicated]*

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

Tender No.:..... *[Insert number of tendering process]*

To:.....*[insert complete name of*

*Purchaser]* I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
- 2. I/We accept that I/we will automatically be suspended from being eligible for tendering in any contract with the Purchaser for the period of time of .....*[insert number of months or years]* starting on .....*[insert date]*, if we are in breach of our obligation(s) under the bid conditions, because we – (a) have withdrawn our tender during the period of tender validity specified by us in the Tendering Data Sheet; or (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the instructions to tenders.
- 3. I/We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer(s), upon the earlier of:
  - a) our receipt of a copy of your notification of the name of the successful Tenderer; or
  - b) thirty days after the expiration of our Tender.
- 4. I/We understand that if I am/we are/in a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and the Joint Venture has not been legally constituted at the time of bidding, the Tender Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed:.....

Capacity / title (director or partner or sole proprietor, etc.) .....  
.....

Name: .....

Duly authorized to sign the bid for and on behalf of: .....*[insert complete name of Tenderer]*. Dated on ..... day of..... *[Insert date of signing]*.

Seal or stamp.

## MANUFACTURER'S AUTHORIZATION FORM

*[The tenderer 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 tenderer shall include it in its Tender, if so indicated in the TDS.]*

Date:.....*[insert date (as day, month and year) of Tender submission]*

ITT No.:.....*[insert number of ITT*

*process]* Alternative No.:.....*[insert identification No if this is a*

*Tender for an alternative]*

To: ..... *[Insert complete name of Procuring*

*Entity]* 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 tenderer]* to submit a Tender 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 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed:..... *[Insert signature(s) of authorized representative(s) of the Manufacturer]*

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

Title:..... *[Insert title]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

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## **PART 2: SUPPLY REQUIREMENTS**

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## 1. Price Schedule for List of Goods and Delivery Schedule

*Items under this contract will be ordered as and when required during the contract period stated in the Framework Agreement.*

### SUPPLY AND DELIVERY OF ASSORTED ICT AND COMMUNICATION EQUIPMENT

Item No.	Description of Goods	Unit of Issue	Model/ Brand	Country of Origin	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Unit Price
1.	LAPTOP TYPE 1	Pc			Day of order	60 days after order	
2.	LAPTOP TYPE 2	Pc			“	“	
3.	LAPTOP TYPE 3(i)	Pc			“	“	
4.	LAPTOP TYPE 3(ii)	Pc			“	“	
5.	LAPTOP TYPE 4	Pc			“	“	
6.	LAPTOP TYPE 5	Pc			“	“	
7.	LAPTOP TYPE 6	Pc			“	“	
8.	DESKTOP COMPUTER TYPE 1	Pc			“	“	
9.	DESKTOP COMPUTER TYPE 2	Pc			“	“	
10.	DESKTOP COMPUTER TYPE 3	Pc			“	“	
11.	DESKTOP COMPUTER TYPE 4	Pc			“	“	
12.	DESKTOP COMPUTER TYPE 5	Pc			“	“	
13.	DESKTOP COMPUTER TYPE 6	Pc			“	“	
14.	CCTV CAMERA TYPE 1	Pc			“	“	
15.	CCTV CAMERA TYPE 2	Pc			“	“	
16.	CCTV CAMERA TYPE 3	Pc			“	“	
17.	CCTV CAMERA TYPE 4	Pc			“	“	
18.	CCTV CAMERA TYPE 5	Pc			“	“	
19.	MOBILE PHONE TYPE 1	Pc			“	“	
20.	MOBILE PHONE TYPE 2	Pc			“	“	
21.	MOBILE PHONE TYPE 3	Pc			“	“	
22.	MOBILE PHONE TYPE 4	Pc			“	“	
23.	MOBILE PHONE TYPE 5	Pc			“	“	
24.	PRINTERS TYPE 1	Pc			“	“	
25.	PRINTERS TYPE 2	Pc			“	“	
26.	PRINTERS TYPE 3	Pc			“	“	
27.	PRINTERS TYPE 3	Pc			“	“	
28.	PRINTERS TYPE 4	Pc			“	“	
29.	PRINTERS TYPE 5	Pc			“	“	
30.	Smart Phones IOS	Pc			“	“	

31.	ROUTER TYPE 1	Pc			“	“	
32.	ROUTER TYPE 2	Pc			“	“	
33.	ROUTER TYPE 3	Pc			“	“	
34.	ROUTER TYPE 4	Pc			“	“	
35.	ROUTER TYPE 5	Pc			“	“	
36.	SERVER CABINET TYPE 1	Pc			“	“	
37.	SERVER CABINET TYPE 2	Pc			“	“	
38.	SERVER CABINET TYPE 3	Pc			“	“	
39.	SERVER CABINET TYPE 4	Pc			“	“	
40.	SWITCH TYPE 1	Pc			“	“	
41.	SWITCH TYPE 2	Pc			“	“	
42.	SWITCH TYPE 3	Pc			“	“	
43.	SWITCH TYPE 4	Pc			“	“	
44.	SWITCH TYPE 5	Pc			“	“	
45.	SWITCH TYPE 6	Pc			“	“	
46.	SWITCH TYPE 7	Pc			“	“	
47.	SWITCH TYPE 8	Pc			“	“	
48.	SWITCH TYPE 9	Pc			“	“	
49.	SWITCH TYPE 10	Pc			“	“	
50.	SWITCH TYPE 11	Pc			“	“	
51.	TABLETS TYPE 1	Pc			“	“	
52.	Tablets TYPE 2	Pc			“	“	
53.	Hard Disks 512TB	Pc			“	“	
54.	Hard Disks 1TB	Pc			“	“	
55.	Hard Disks 2TB	Pc			“	“	
56.	Hard Disks 4TB	Pc			“	“	
57.	Kaspersky Anti-Virus	Pc			“	“	
58.	Microsoft Windows License	Pc			“	“	
59.	Microsoft Office License	Pc			“	“	
60.	Desktop Uninterruptible Power Supply (UPS) TYPE 1	Pc			“	“	
61.	Desktop Uninterruptible Power Supply (UPS) TYPE 2	Pc			“	“	
62.	Desktop Uninterruptible Power Supply (UPS) TYPE 3	Pc			“	“	
63.	Desktop Uninterruptible Power Supply (UPS) TYPE 4	Pc			“	“	
64.	Flatbed Scanners	Pc			“	“	
65.	Mouse	Pc			“	“	
66.	Keyboard	Pc			“	“	
67.	Projector	Pc			“	“	
68.	Projector Board	Pc			“	“	
69.	Printer Cable	Pc			“	“	

70.	Walkie Talkie	Pc			“	“	
71.	Television Set 32	Pc			“	“	
72.	Television Set 43	Pc			“	“	
73.	Television Set 55	Pc			“	“	
74.	Monopod	Pc			“	“	
75.	Tripod	pc			“	“	
76.	Shot Gun Microphone	Pc			“	“	
77.	HDMI 2VGA Adaptor	Pc			“	“	
78.	HDMI Extender	Pc			“	“	
79.	HDMI Cable 1m	Pc			“	“	
80.	HDMI Cable 3m	Pc			“	“	
81.	HDMI Cable 10m	Pc			“	“	
82.	Ip Based Desktop Handset Phone	Pc			“	“	
83.	Pole Switch	Pc			“	“	
84.	Flash Disk 8GB	Pc			“	“	
85.	Flash Disk 16GB	Pc			“	“	
86.	Flash Disk 32 GB	Pc			“	“	
87.	Flash Disk 64 GB	Pc			“	“	
88.	4-Way Extension Cable	Pc			“	“	
89.	5-Way Extension Cable	Pc			“	“	
90.	Power Cable	Pc			“	“	
91.	Laptop Battery	Pc			“	“	
92.	Drone	Pc			“	“	
93.	Stabilizer/ Gimbal	Pc			“	“	
94.	Teleprompter	Pc			“	“	
95.	Yolobox Pro	Pc			“	“	
96.	Wireless Video Transmitter	Pc			“	“	
97.	SD Card 64gb	Pc			“	“	
98.	SD Cards 32gb				“	“	
99.	Speedlight	Pc			“	“	
100.	Media Equipment Flight Case	Pc			“	“	
101.	Speedlight Diffusers	Pc			“	“	
102.	Reflector Screens With Stand	Pc			“	“	
103.	Mybook Charger	Pc			“	“	

Name of tenderer .....

Signature of tenderer .....

Date .....

## 2 List of Related Services and Completion Schedule

*Applicable at time of order*

<b>Service</b>	<b>Description of Service</b>	<b>Quantity<sup>1</sup></b>	<b>Physical Unit</b>	<b>Place where Services shall be performed</b>	<b>Final Completion Date(s) of Services</b>
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert physical unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>

<sup>1</sup>If applicable

# RECOMMENDED MINIMUM SPECIFICATIONS



## COUNTY GOVERNMENT OF NYANDARUA



PO BOX 701-20303

Telephone: 0202660859

Email: [ict@nyandarua.go.ke](mailto:ict@nyandarua.go.ke)

### LAPTOP TYPE 1

ITEM	MINIMUM REQUIREMENTS
Processor & Core Logic	Apple M1 chip with 8-core CPU and 8 core GPU
System Memory	8GB LPDDR onboard memory, upgradable
Storage Subsystem	512GB PCIe-based SSD, upgradable
Power System	Built-in 49.9-watt-hour lithium-polymer battery; USB- C Power Adapter
Display/Graphics	13.3-inch LED-backlit display with IPS technology; Intel Iris Plus Graphics
Keyboard and Pointing	Backlit magic keyboard; Touch trackpad
Audio	Stereo speakers; Dual microphones
Communication	Wi-Fi 6 wireless networking; Bluetooth 5.0 wireless
I/O interface ports	2 * Thunderbolt 3 (USB - C) ports; 1 * USB 3.1 Gen 2 port; 1 * headphone jack port
Operating System	Mac OS, latest version
Software	Office for Mac devices, licensed and activated
Accessories	Executive bag, Magic Mouse; AC Power Adapter; USB-C Charge Cable; USB-C to
Warranty	One (1) Year
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>	



**COUNTY GOVERNMENT OF  
NYANDARUA**



**PO BOX 701-20303**

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**LAPTOP TYPE 2**

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	13th Gen Intel® Core™ i7-13620H 13th Gen	
<b>Graphic Processor</b>	NVIDIA® GeForce RTX™ 4060 Laptop GPU (233 AI TOPs), 8GB GDDR6	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	2420MHz* at 140W (2370MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost
	Installed RAM Size	6GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC x 2, Max Capacity:32GB, Support dual channel memory
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to-edge glass, micro-edge
	Pixels	2560 x 1440
	Diagonal Size (metric)	15.6-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, DCI-P3:100%, Refresh Rate:165Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Color Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	No
	360 rotation	No
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	NVIDIA® GeForce RTX™
	Integrated Webcam	Yes
	Sound	Dolby Atmos AI noise-canceling technology Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field Built-in array microphone 2-speaker system
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	At least <b>512GB PCIe® 4.0 NVMe™ M.2 Performance SSD</b>
<b>INPUT</b>	Type	Backlit Chiclet Keyboard 1-Zone RGB Touchpad
	Localization & Layout	US

	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	Bluetooth® 5.2 Wireless Card
	Wireless Controller	Wi-Fi 6(802.11ax) (Dual band) 2*2
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i7
	Manufacturer	Intel
<b>CARD READER</b>	Type	Card reader
	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer
	Cells	90WHrs, 4S1P, 4-cell Li-ion ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240V AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
	Technology	lithium ion
	Run Time (Up To)	8 hour(s)
<b>CHARGER</b>	Plug and socket (United Kingdom)	socket compatible with plug type G
<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 2x USB 3.2 Gen 1 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1x RJ45 LAN port 1x Thunderbolt™ 4 support DisplayPort™
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, 5MP IR camera
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	15.6 inch maximum
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty ( <b>12 months</b> )
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2016 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



COUNTY GOVERNMENT OF NYANDARUA



PO BOX 701-20303 Telephone: 0202660859 Email: [ict@nyandarua.go.ke](mailto:ict@nyandarua.go.ke)

LAPTOP TYPE 3 (I)

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	13 <sup>th</sup> gen intel core 17 processor	
<b>Graphic Processor</b>	Intel® Iris® X <sup>c</sup>	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	3200 Mhz
	Memory Specification Compliance	PC4-17000
	Technology	DDR4-3200 MHz RAM
	Installed RAM Size	<b>At least 16 GB</b>
	Rated Memory Speed	3200 Mhz
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to-edge glass, micro-edge
	Pixels	1920 x 1080
	Diagonal Size (metric)	At most 14 inches
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Color Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	Yes
	360 rotation	Yes
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	Intel Iris Xe
	Integrated Webcam	Yes
	Sound	Bang & Olufsen Play, Stereo speakers, two microphones
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	<b>At least 1TB PCIe NVMe™ (SSD)</b>
<b>INPUT</b>	Type	Qwerty keyboard with <b>backlit</b>
	Localization & Layout	US
	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	802.11a/b/g/n/ac, Bluetooth 4.2, NFC
	Wireless Controller	Intel Dual Band Wireless-AC 8260
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i7
	Manufacturer	Intel
<b>CARD READER</b>	Type	card reader
	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer
	Cells	3-cell
	Technology	lithium ion



	Run Time (Up To)	8 hour(s)
<b>HARGER</b>	Plug and socket (United Kingdom)	socket compatible with plug type G
<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	1 SuperSpeed USB-C 2 SuperSpeed USB Type-A Display Port VGA/HDMI LAN(inbuilt/adapter) external Dock 1 AC smart pin Headphone/microphone combo jack
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 compatible combo (supporting gigabit data rate)
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	At most 14 inches
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty ( <b>12 months</b> )
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2019 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



**COUNTY GOVERNMENT OF  
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**LAPTOP TYPE 3 (II)**

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	13 <sup>th</sup> gen intel core 17 processor	
<b>Graphic Processor</b>	Intel® Iris® X <sup>e</sup>	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	3200 Mhz
	Memory Specification Compliance	PC4-17000
	Technology	DDR4-3200 MHz RAM
	Installed RAM Size	<b>At least 16 GB</b>
	Rated Memory Speed	3200 Mhz
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to-edge glass, micro-edge
	Pixels	1920 x 1080
	Diagonal Size (metric)	At most 14 inches
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Color Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	Yes
	360 rotation	Yes
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	Intel Iris Xe
	Integrated Webcam	Yes
	Sound	Bang & Olufsen Play, Stereo speakers, two microphones
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	<b>1TB PCIe Solid State Drive (SSD)</b>
<b>INPUT</b>	Type	Qwerty keyboard with <b>backlit</b>
	Localization & Layout	US
	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	802.11a/b/g/n/ac, Bluetooth 4.2, NFC
	Wireless Controller	Intel Dual Band Wireless-AC 8260
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i7
	Manufacturer	Intel
<b>CARD READER</b>	Type	card reader
	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer
	Cells	3-cell
	Technology	lithium ion
<b>CHARGER</b>	Run Time (Up To)	8 hour(s)
	Plug and socket (United Kingdom)	socket compatible with plug type G

<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	1 SuperSpeed USB-A 2 thunderbolt USB Type-C Display Port VGA/HDMI LAN(inbuilt/adaptor) external Dock 1 AC smart pin Headphone/microphone combo jack <b>Type C 8 in 1 adapter.</b>
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 compatible combo (supporting gigabit data rate)
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	At most 14 inches
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty ( <b>12 months</b> )
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2019 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



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**LAPTOP TYPE 4**

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	13 <sup>th</sup> gen intel core 17 processor	
<b>Graphic Processor</b>	Intel® Iris® X <sup>e</sup>	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	3200 Mhz
	Memory Specification Compliance	PC4-17000
	Technology	DDR4-3200 MHz RAM
	Installed RAM Size	<b>At least 16 GB</b>
	Rated Memory Speed	3200 Mhz
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to-edge glass, micro-edge
	Pixels	1920 x 1080
	Diagonal Size (metric)	AT MOST 14 inches
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Colour Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	Yes
	360 rotation	Yes
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	Intel Iris Xe
	Integrated Webcam	Yes
	Sound	Bang & Olufsen Play, Stereo speakers, two microphones
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	<b>At least 1TB PCIe NVMe(SSD)</b>
<b>INPUT</b>	Type	Qwerty keyboard
	Localization & Layout	US
	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	802.11a/b/g/n/ac, Bluetooth 4.2, NFC
	Wireless Controller	Intel Dual Band Wireless-AC 8260
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i7
	Manufacturer	Intel
<b>CARD READER</b>	Type	card reader
	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer
	Cells	3-cell
	Technology	lithium ion
	Run Time (Up To)	8 hour(s)

<b>CHARGER</b>	Plug and socket (United Kingdom)	socket compatible with plug type G
<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	1 SuperSpeed USB-C 2 SuperSpeed USB Type-A Display Port VGA/HDMI LAN(inbuilt/adapter) external Dock 1 AC smart pin Headphone/microphone combo jack
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 compatible combo (supporting gigabit data rate)
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	At most 14 Inches
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty ( <b>12 months</b> )
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2019 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



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**LAPTOP TYPE 5**

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	Intel® Core™ i5-13 <sup>TH</sup> GEN	
<b>Graphic Processor</b>	Intel® Iris® X <sup>e</sup>	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	3200 Mhz
	Memory Specification Compliance	PC4-17000
	Technology	DDR4-3200 MHz RAM
	Installed RAM Size	At least <b>8 GB</b>
	Rated Memory Speed	3200 Mhz
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to-edge glass, micro-edge
	Pixels	1920 x 1080
	Diagonal Size (metric)	AT most 14 inches
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Colour Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	Yes
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	Intel Iris Xe
	Integrated Webcam	Yes
	Sound	Bang & Olufsen Play, Stereo speakers, two microphones
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	At least <b>512 GB PCIe SSD</b>
<b>INPUT</b>	Type	Qwerty keyboard
	Localization & Layout	US
	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	802.11a/b/g/n/ac, Bluetooth 4.2, NFC
	Wireless Controller	Intel Dual Band Wireless-AC 8260
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i5
	Manufacturer	Intel
<b>CARD READER</b>	Type	card reader
	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer
	Cells	3-cell
	Technology	lithium ion

	Run Time (Up To)	8 hour(s)
<b>CHARGER</b>	Plug and socket (United Kingdom)	socket compatible with plug type G
<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	1 SuperSpeed USB-C 2 SuperSpeed USB Type-A Display Port VGA/HDMI LAN(inbuilt/adapter) external Dock 1 AC smart pin Headphone/microphone combo jack
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 compatible combo (supporting gigabit data rate)
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	14 inch maximum
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty ( <b>12 months</b> )
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2016 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



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**LAPTOP TYPE 6**

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	Intel® Core™ i7-1355U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)	
<b>Graphic Processor</b>	Intel® Iris® X <sup>e</sup>	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	3200 Mhz
	Memory Specification Compliance	PC4-17000
	Technology	DDR5-5200 MHz RAM (2 x 8 GB)
	Installed RAM Size	At least <b>16 GB</b>
	Rated Memory Speed	3200 Mhz
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to-edge glass, micro-edge
	Pixels	1920 x 1080
	Diagonal Size (metric)	14 inches
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Color Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	No
	360 rotation	No
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	Integrated, intel UHD Graphics
	Integrated Webcam	Yes
	Sound	Audio by Bang & Olufsen, dual stereo speakers, dual microphones enhanced by AI noise reduction
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	At least <b>512 GB PCIe® NVMe™ SSD</b>
<b>INPUT</b>	Type	<b>Backlit</b> Qwerty keyboard
	Localization & Layout	US
	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	802.11a/b/g/n/ac, Bluetooth 4.2, NFC
	Wireless Controller	Intel Dual Band Wireless-AC 8260
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i7
	Manufacturer	Intel
<b>CARD READER</b>	Type	Card reader



	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer
	Cells	3-cell
	Technology	lithium ion
	Run Time (Up To)	8 hour(s)
<b>CHARGER</b>	Plug and socket (United Kingdom)	socket compatible with plug type G
<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	2 Thunderbolt™ 4 with USB Type- C 40 Gbps signaling rate (USB Power delivery, DisplayPort™ 1.4). 2 SuperSpeed USB Type-A 5Gbps Signaling rate (I charging). Fingerprint sensor. HDMI 2.1 LAN (inbuilt/adaptor) external Dock Stereo headphone/microphone combo jack
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, 5MP IR camera
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	14 inch maximum
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty ( <b>12 months</b> )
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2016 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



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**LAPTOP TYPE 7**

<b>Platform Technology</b>	Intel vPro Technology	
<b>Preinstalled OS</b>	Windows 11 Home Activated	
<b>PROCESSOR / CHIPSET</b>	Intel® Core™ i5-1335U (up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) 1	
<b>Graphic Processor</b>	Intel® Iris® X <sup>e</sup>	
<b>64-bit Computing</b>	Yes	
<b>CACHE MEMORY</b>	Installed Size 8 MB Cache	
<b>RAM</b>	Memory Speed	3200 Mhz
	Memory Specification Compliance	PC4-17000
	Technology	DDR5-5200 MHz RAM (2 x 8 GB)
	Installed RAM Size	8 GB DDR4-3200 MHz RAM (1 x 8 GB)
	Rated Memory Speed	3200 Mhz
<b>ENVIRONMENTAL PARAMETERS</b>	Humidity Range Operating - 10 - 90% (non-condensing)	
<b>DISPLAY</b>	LCD Backlight Technology	LED backlight
	Widescreen Display	Yes
	Image Aspect Ratio	16:9
	Monitor Features	Multitouch-enabled, IPS, edge-to- edge glass, micro-edge
	Pixels	1920 x 1080
	Diagonal Size (metric)	15.6 inches
	Display Resolution Abbreviation	Full HD LED Backlit Bright View IPS Micro-edge Touch Display (400 nits Brightness, 100% sRGB Color Gamut, 166 PPI, with Corning Gorilla Glass NBT Protection)
	Touch screen	No
	360 rotation	No
<b>AUDIO &amp; VIDEO</b>	Graphics Processor	Integrated, intel UHD Graphics
	Integrated Webcam	Yes
	Sound	Audio by Bang & Olufsen, dual stereo speakers, dual microphones enhanced by AI noise reduction
	Audio Codec	CX7501
<b>Storage</b>	Internal storage Capacity	At least <b>512 GB PCIe® NVMe™ SSD</b>
<b>INPUT</b>	Type	<b>Backlit</b> Qwerty keyboard
	Localization & Layout	US
	Features	gesture function, spill-resistant, volume control
<b>COMMUNICATIONS</b>	Wireless Protocol	802.11a/b/g/n/ac, Bluetooth 4.2, NFC
	Wireless Controller	Intel Dual Band Wireless-AC 8260
	Wired Protocol	Gigabit Ethernet
	Features	Wake-on-LAN (WOL)
<b>PROCESSOR</b>	CPU Type	Core i7
	Manufacturer	Intel
<b>CARD READER</b>	Type	Card reader
	Supported Flash Memory	SD Memory Card, SDHC Memory Card, SDXC Memory Card
<b>BATTERY</b>	Capacity	43 Wh Li-ion polymer

	Cells	3-cell, 41 Wh Li-ion
	Technology	lithium ion
	Run Time (Up To)	8 hour(s)
<b>CHARGER</b>	Plug and socket (United Kingdom)	socket compatible with plug type G
<b>CONNECTIONS &amp; EXPANSION</b>	Interfaces	One USB Type-C 5Gbps signaling rate (supports data transfer only), Two USB Type-A 5Gbps signaling rate, One AC smart pin, One HDMI 1.4b, One headphone/microphone combo
	Memory Card Reader	Yes (SD Card, SDHC Card, SDXC Card)
<b>NETWORKING</b>	Data Link Protocol	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, 5MP IR camera
	Remote Management Protocol	SNMP 2
	Compliant Standards	IEEE 802.11, IEEE 802.11i, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1x, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3az, IEEE 802.3u, Wi-Fi CERTIFIED
	Ethernet Controller(s)	Intel I219-LM
	Wireless NIC	Intel Dual Band Wireless-AC 8260
<b>MONITOR</b>	Diagonal Size	15.6 inch maximum
	Image Brightness	300 cd/m2
<b>WARRANTY</b>	Type	1 year's warranty (12 months)
<b>Antivirus</b>	Kaspersky (2022) <b>one year</b> Activated (365 days)	
<b>Office</b>	At least Microsoft office 2016 or higher Activated (genuine)	
<b>Peripherals</b>	<b>Wireless mouse</b>	
<b>Bag</b>	Laptop bag	
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>		



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DESKTOP COMPUTER TYPE 1

ITEM	MINIMUM REQUIREMENTS
Processor & Core Logic	8-Core CPU, 8-Core GPU
System Memory	8GB unified memory Configurable
Storage Subsystem	512 GB SSD configurable
Form Factor	All-in-one
Camera	1080p FaceTime HD camera
Keyboard	Magic Keyboard with Numeric Keypad
Pointing Device/Mo use	Apple Magic Mouse
Audio	Built-in speaker/microphone
Communication Interface	Gigabit Ethernet
	802.11ac Wi-Fi 6.0
	Bluetooth 5.0 wireless technology
I/O Interface Ports	2 x USB 3 ports
	2 x thunderbolt / USB 4 ports
	USB-C to VGA, HDMI, DVI, Thunderbolt 2 adapter
	3.5 mm headphone jack
Operating System	Latest Mac OS
Software	Microsoft Office for Mac with Genuine License
	Latest Compatible Antivirus (With valid license)
Display/Monitor	24-inch 4K Retina display
Power Supply	220 - 240V AC, Frequency 50/60 HZ
Accessories	power adapter
	USB-C to Lightning Cable
	Power cord (2 m)
Warranty	One (1) Year, Proof of Warranty must be provided
UPS	Include 700VA UPS with surge protection
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>	





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DESKTOP COMPUTER TYPE 2

ITEM	MINIMUM REQUIREMENTS
Processor & Logic	12th Generation Intel Core i9
System Memory	16GB DDR4
Storage Acceleration	16 GB Intel Optane
Storage Subsystem	1 TB SSD
Form Factor	Tower
Display	24" LED-Backlit Monitor (Same brand as CPU)
Graphics	NVIDIA GeForce 4GB GDDR
Keyboard	USB Enhanced Keyboard
Pointing Device/Mouse	USB Optical Mouse
Audio	Stereo audio system with inbuilt speakers Audio ports: headphone and microphone
Communication Interface	Integrated Gigabit Ethernet -10/100/1000 Mbps 802.11ac Wi-Fi 6.0 and 5.0 Bluetooth
I/O Interface Ports	2 X USB 3.1 Gen 1 ports 1 X USB 3.1 Gen 1 (Type-C) port 2X USB 2.0 ports 1 x HDMI port 1 x RJ 45 Ethernet jack 1 x Display port Media card Reader Headset and audio jack
Operating System	Genuine Windows 11 Professional 64 bit pre-installed (licensed with recovery Disks)
Software	Microsoft Office Professional 2021 with Genuine License Latest Internet Security software with valid license
Power Supply	220 - 240 VAC 50/60 HZ (Autosensing)
Accessories	Power cables; HDMI cable
UPS	Include 700VA UPS with surge protection
Warranty	One (1) Year, Proof of Warranty must be provided
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>	



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**DESKTOP COMPUTER TYPE 3**

ITEM	MINIMUM REQUIREMENTS
Processor & Logic	Intel® Core™ i7-12700 (2.1 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads), supports Intel® vPro® Technology
System Memory	8GB DDR4-3200 MHz SDRAM
Storage Subsystem	1TB 7200 RPM SATA HDD
Form Factor	Tower
Display monitor	18.5 inches (46.99 cm) LED backlight Widescreen TN Display   image Aspect ratio: 16:9 Anti-glare   WXGA (1366 x 768 pixels) HD
Graphics	Integrated: Intel® UHD Graphics 730
Keyboard	USB Enhanced Keyboard
Pointing Device/Mouse	USB Optical Mouse
Audio	Stereo audio system with inbuilt speakers Audio ports: headphone and microphone
Communication Interface	Integrated Gigabit Ethernet -10/100/1000 Mbps 802.11ac Wi-Fi 6.0 and 5.0 Bluetooth
I/O Interface Ports	4x SuperSpeed USB Type-A 5Gbps signaling rate 2X USB 2.0 ports 1 x HDMI port 1 x RJ 45 Ethernet jack 1 x Display port Media card Reader Headset and audio jack
Operating System	Genuine Windows 11 Professional 64 bit pre-installed (licensed with recovery Disks)
Software	Microsoft Office Professional 2021 with Genuine License Latest Internet Security software with valid license
Power Supply	220 - 240 VAC 50/60 HZ (Autosensing)
Accessories	Power cables; HDMI cable
UPS	Include 700VA UPS with surge protection
Warranty	One (1) Year, Proof of Warranty must be provided
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>	



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DESKTOP COMPUTER TYPE 4

ITEM	MINIMUM REQUIREMENTS
Processor & Logic	<b>Intel Core i5-12400</b> Six cores and twelve threads.
System Memory	<b>8GB DDR4 RAM</b>
Storage Subsystem	<b>1TB 7200 RPM SATA HDD</b>
Form Factor	Tower
Display monitor	HP P204v 19.5"
Graphics	Intel UHD Graphics 730
Keyboard	USB Enhanced Keyboard
Pointing Device/Mouse	USB Optical Mouse
Audio	Stereo audio system with inbuilt speakers Audio ports: headphone and microphone
Communication Interface	Integrated Gigabit Ethernet -10/100/1000 Mbps 802.11ac Wi-Fi 6.0 and 5.0 Bluetooth
I/O Interface Ports	4x SuperSpeed USB Type-A 5Gbps signaling rate 2X USB 2.0 ports 1 x HDMI port 1 x RJ 45 Ethernet jack 1 x Display port Media card Reader Headset and audio jack
Operating System	Genuine Windows 11 Professional 64 bit pre-installed (licensed with recovery Disks)
Software	Microsoft Office Professional 2021 with Genuine License Latest Internet Security software with valid license
Power Supply	220 - 240 VAC 50/60 HZ (Autosensing)
Accessories	Power cables; HDMI cable
UPS	Include 700VA UPS with surge protection
Warranty	One (1) Year, Proof of Warranty must be provided
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>	





COUNTY GOVERNMENT OF NYANDARUA



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DESKTOP COMPUTER TYPE 5

ITEM	MINIMUM REQUIREMENTS
Processor & Logic	16th Generation Intel® Core™ i7, 12 MB L3 cache
System Memory	16 GB DDR4
Storage	1 TB SSD
Form Factor	All in one
Display	27" diagonal FHD display
Graphics	Intel graphics
Keyboard	USB/wireless Enhanced Keyboard
Pointing Device	USB/wireless Optical Mouse
Audio	inbuilt speakers headphone jack
Webcam	1080p FHD webcam with integrated digital microphone,
Communication Interface	Integrated 10/100/1000 Gigabit Ethernet 802.11a/b/g/n/ac (2x2) Wi-Fi 6 and Bluetooth 5.0
I/O Interface Ports	2 SuperSpeed USB Type A 2 USB 2.0 Type-A; 1 HDMI 1 x RJ 45 Ethernet jack Media card Reader headphone/microphone combo;
Operating System	Genuine Windows 11 Professional 64 bit pre-installed (licensed with Recovery Disks)
Software	Microsoft Office Professional 2021 with Genuine License Latest Internet Security software with valid license
Power Supply	220 - 240 VAC 50/60 HZ /AC power adapter
Warranty	One (1) Year, Proof of Warranty must be provided
Accessories	Frame stand
UPS	Include 700VA UPS

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**DESKTOP COMPUTER TYPE 6**

ITEM	MINIMUM REQUIREMENTS
Processor & Logic	16th Generation Intel® Core™ i5 (8 MB L3 cache, 4 cores)
System Memory	8 GB DDR4
Storage	512 GB SSD storage
Form Factor	All in one
Display	23.8" diagonal FHD touch display
Graphics	Intel UHD graphics
Optical Drives	DVD Writer
Keyboard	USB Enhanced Keyboard
Pointing Device/Mouse	USB Optical Mouse
Audio	Stereo audio system with inbuilt speakers Headphone/microphone jack
Webcam	720p HD camera with integrated dual array digital microphones
Communication Interface	Integrated Gigabit Ethernet -10/100/1000 Mbps 802.11ax Wi-Fi 6.0 and 5.0 Bluetooth
I/O Interface Ports	2 x SuperSpeed USB Type-A 2 x USB 2.0 Type-A; 1 x RJ 45 Ethernet jack 1 x HDMI out Media card Reader Headphone /microphone jack
Operating System	Genuine Windows 11 Professional 64 bit pre-installed (licensed with Recovery Disks)
Software	Microsoft Office Professional 2021 with Genuine License Latest Internet Security software with valid license
Power Supply	220 - 240 VAC 50/60 HZ (Autosensing)/AC power adapter
Warranty	One (1) Year, Proof of Warranty must be provided
UPS	Include 700VA UPS with surge protection
<b>ALL ORIGINAL MEDIA KIT TO BE INCLUDED DURING DELIVERY AND WILL BE AUTHENTICATED BEFORE ACCEPTANCE</b>	



**CCTV CAMERA TYPE 1**

<b>Specification</b>	<b>Details</b>
<b>Camera Type</b>	Analog Dome Camera
<b>Best For</b>	Indoor or sheltered outdoor installations; more discreet than bullet cameras.
<b>Mounting</b>	Ceiling or wall-mounted, designed for indoor or sheltered outdoor areas.
<b>Visibility</b>	Less conspicuous, offering a more discreet surveillance option.
<b>Resolution</b>	1080p (2MP)
<b>Clarity</b>	Provides clear images suitable for recognizing individuals and monitoring entrances or indoor areas.
<b>Field of View (FOV)</b>	70° - 90° (depends on model), suitable for monitoring specific indoor areas like lobbies or corridors.
<b>Night Vision Type</b>	Infrared (IR)
<b>IR Range</b>	20-30 meters, ideal for indoor and sheltered outdoor areas like entrances.
<b>Frame Rate</b>	15-30 FPS, ensuring smooth video during both day and night.
<b>Weatherproofing</b>	IP66 (for outdoor models), protected against dust and moderate rain.
<b>Connection Type</b>	Coaxial Cable (BNC), reliable wired connection typically used with DVR systems.
<b>Storage Options</b>	DVR (Digital Video Recorder) with expandable local hard drive storage, optional cloud backup available.
<b>Power Source</b>	12V DC, with separate power and video cables.
<b>Power Efficiency</b>	Low power consumption, ideal for continuous operation.
<b>Smart Features</b>	Motion detection available with compatible DVR systems.
<b>Recording &amp; Compression</b>	H.264 compression for efficient storage without significant quality loss.
<b>Audio Capability</b>	Optional external microphone for basic audio capture.



## CCTV CAMERA TYPE 2

Specification	Details
Camera Type	Analog Bullet Camera
Best For	Outdoor installations where visible deterrence is important.
Mounting	Wall-mounted, designed for outdoor use.
Visibility	Highly visible, acts as a deterrent for potential intruders.
Resolution	1080p (2MP)
Clarity	Provides clear images suitable for general outdoor surveillance.
Field of View (FOV)	80° - 90° (depends on model), best for monitoring specific outdoor areas like driveways or entrances.
Night Vision Type	Infrared (IR)
IR Range	20-30 meters, ideal for monitoring outdoor areas at night.
Frame Rate	15-30 FPS, suitable for capturing smooth video during both day and night.
Weatherproofing	IP66, fully protected from dust and heavy rain, designed for outdoor use.
Connection Type	Coaxial Cable (BNC), provides reliable wired connection, typically used with DVR systems.
Storage Options	DVR (Digital Video Recorder) with expandable local hard drive storage, optional cloud backup available.
Power Source	12V DC, with separate power and video cables.
Power Efficiency	Low power consumption, ideal for continuous outdoor operation.
Smart Features	Motion detection available with compatible DVR systems.
Recording & Compression	H.264 compression for efficient storage without significant quality loss.
Audio Capability	Optional external microphone for basic audio capture, not for two-way communication.



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**CCTV CAMERA TYPE 3**

Specification	Details
Camera Type	IP Bullet Camera
Best For	Outdoor installations requiring high-quality video and remote monitoring capability.
Mounting	Wall-mounted, designed for outdoor use.
Visibility	Highly visible, acts as a deterrent for potential intruders.
Resolution	1080p (2MP)
Clarity	Provides clear, high-quality images suitable for detailed surveillance.
Field of View (FOV)	80° - 110° (depends on model), best for covering wide outdoor areas like driveways, parking lots, etc.
Night Vision Type	Infrared (IR)
IR Range	30-50 meters, ideal for monitoring larger outdoor spaces at night.
Frame Rate	30 FPS, ensuring smooth and fluid video for both day and night recording.
Weatherproofing	IP67, fully protected from dust and can withstand harsh weather, including heavy rain and snow.
Connection Type	Ethernet (PoE - Power over Ethernet), one cable for both power and data, simplifying installation.
Storage Options	NVR (Network Video Recorder) with local hard drive storage, cloud storage options available for remote access.
Power Source	PoE (Power over Ethernet), uses the same Ethernet cable for power and data transmission.
Power Efficiency	Efficient power usage with PoE, reducing the need for separate power adapters.
Smart Features	Motion detection, remote access via mobile apps, email alerts, and advanced features like AI-based facial recognition.
Recording & Compression	H.265 compression for efficient storage without compromising video quality.

<b>Audio Capability</b>	Optional two-way audio with built-in microphone and speaker, ideal for remote communication.
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## COUNTY GOVERNMENT OF NYANDARUA



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### CCTV CAMERA TYPE 4

Specification	Details
Camera Type	IP Dome Camera
Best For	Indoor or sheltered outdoor installations where a discreet, high-quality surveillance option is needed.
Mounting	Ceiling or wall-mounted, suitable for various installation environments.
Visibility	Less conspicuous compared to bullet cameras, offering a more subtle surveillance solution.
Resolution	1080p (2MP)
Clarity	Provides clear, high-quality images suitable for detailed surveillance in both indoor and outdoor settings.
Field of View (FOV)	70° - 110° (depends on model), ideal for monitoring wide areas such as lobbies, hallways, or outdoor spaces.
Night Vision Type	Infrared (IR)
IR Range	20-30 meters, suitable for indoor and sheltered outdoor environments.
Frame Rate	30 FPS, ensuring smooth and clear video footage for both day and night.
Weatherproofing	IP66 or IP67 (for outdoor models), resistant to dust and water, suitable for both indoor and outdoor use.
Connection Type	Ethernet (PoE - Power over Ethernet), simplifies installation with a single cable for both power and data.
Storage Options	NVR (Network Video Recorder) with local hard drive storage, optional cloud storage for remote access.
Power Source	PoE (Power over Ethernet), uses a single Ethernet cable for both power and data.
Power Efficiency	Efficient power consumption with PoE, reducing the need for separate power supplies.
Smart Features	Motion detection, remote access via mobile apps, advanced analytics (e.g., facial recognition), and alerts.
Recording & Compression	H.265 compression for efficient storage with high video quality.
Audio Capability	Optional two-way audio with built-in microphone and speaker, useful for remote communication.



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**PHONE TYPE 1**

<b>Network</b>	<b>Technology</b>	GSM / CDMA / HSPA / EVDO / LTE / 5G
<b>BODY</b>	<b>Dimensions</b>	146.6 x 70.6 x 8.3 mm (5.77 x 2.78 x 0.33 in)
	<b>Weight</b>	187 g (6.60 oz)
	<b>Build</b>	Glass front (Corning-made glass), glass back (Corning-made glass), titanium frame (grade 5)
	<b>SIM</b>	Nano-SIM and eSIM - International
<b>DISPLAY</b>	<b>Type</b>	LTPO Super Retina XDR OLED, 120Hz, HDR10, Dolby Vision, 1000 nits (typ), 2000 nits (HBM)
	<b>Size</b>	6.1 inches, 91.3 cm <sup>2</sup> (~88.2% screen-to-body ratio)
	<b>Resolution</b>	1179 x 2556 pixels, 19.5:9 ratio (~461 ppi density)
	<b>Protection</b>	Ceramic Shield glass - Always-On display
<b>PLATFORM</b>	<b>OS</b>	iOS 17, upgradable to iOS 17.6.1, planned upgrade to iOS 18
<b>PLATFORM</b>	<b>Chipset</b>	Apple A17 Pro (3 nm)
	<b>CPU</b>	Hexa-core (2x3.78 GHz + 4x2.11 GHz)
	<b>GPU</b>	Apple GPU (6-core graphics)
<b>MEMORY</b>	<b>Card slot</b>	No
<b>MEMORY MAIN CAMERA</b>	<b>Internal</b>	128GB 8GB RAM, 256GB 8GB RAM, 512GB 8GB RAM, 1TB 8GB RAM NVMe
	<b>Triple</b>	48 MP, f/1.8, 24mm (wide), 1/1.28", 1.22µm, dual pixel PDAF, sensor-shift OIS 12 MP, f/2.8, 77mm (telephoto), 1/3.5", 1.0µm, PDAF, OIS, 3x optical zoom 12 MP, f/2.2, 13mm, 120° (ultrawide), 1/2.55", 1.4µm, dual pixel PDAF TOF 3D LiDAR scanner (depth)
<b>MAIN CAMERA</b>	<b>Features</b>	Dual-LED dual-tone flash, HDR (photo/panorama)
<b>MAIN CAMERA SELFIE CAMERA</b>	<b>Video</b>	4K@24/25/30/60fps, 1080p@25/30/60/120/240fps, 10-bit HDR, Dolby Vision HDR (up to 60fps), ProRes, 3D (spatial) video, stereo sound rec.
	<b>Single</b>	12 MP, f/1.9, 23mm (wide), 1/3.6", PDAF, OIS SL 3D, (depth/biometrics sensor)
<b>SELFIE CAMERA</b>	<b>Features</b>	HDR
<b>SELFIE CAMERA SOUND</b>	<b>Video</b>	4K@24/25/30/60fps, 1080p@25/30/60/120fps, gyro-EIS
	<b>Loudspeaker</b>	Yes, with stereo speakers
<b>SOUND</b>	<b>3.5mm jack</b>	No
<b>SOUND COMMS</b>	<b>WLAN</b>	Wi-Fi 802.11 a/b/g/n/ac/6e, dual-band, hotspot

<b>COMMS FEATURES</b>	<b>Bluetooth</b>	5.3, A2DP, LE
<b>COMMS FEATURES</b>	<b>Positioning</b>	GPS (L1+L5), GLONASS, GALILEO, BDS, QZSS, NavIC
<b>FEATURES</b>	<b>NFC</b>	Yes
<b>FEATURES</b>	<b>Radio</b>	No
	<b>USB</b>	USB Type-C 3.2 Gen 2, DisplayPort
	<b>Sensors</b>	Face ID, accelerometer, gyro, proximity, compass, barometer
		Ultra-Wideband (UWB) support (gen2 chip) Emergency SOS via satellite (SMS sending/receiving)
<b>FEATURES BATTERY</b>		
<b>BATTERY</b>	<b>Type</b>	Li-Ion 3274 mAh, non-removable
<b>BATTERY</b>	<b>Charging</b>	Wired, PD2.0, 50% in 30 min (advertised) 15W wireless (MagSafe) 15W wireless (Qi2) - requires iOS 17.2 update 4.5W reverse wired





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**PHONE TYPE 2**

<b>NETWORK</b>	<b>Technology</b>	GSM / HSPA / LTE / 5G
<b>BODY</b>	<b>Dimensions</b>	162.3 x 79 x 8.6 mm (6.39 x 3.11 x 0.34 in)
	<b>Weight</b>	232 g or 233 g (8.18 oz)
	<b>Build</b>	Glass front (Corning Gorilla Armor), glass back (Corning Gorilla Armor), titanium frame (grade 2)
	<b>SIM</b>	Nano-SIM and eSIM/ Dual eSIM or Dual SIM (2 Nano-SIMs and eSIM, dual stand-by 68 dust/water resistant (up to 1.5m for 30 min)Stylus (Bluetooth integration, accelerometer, gyro)
<b>DISPLAY</b>	<b>Type</b>	Dynamic LTPO AMOLED 2X, 120Hz, HDR10+, 2600 nits (peak)
	<b>Size</b>	6.8 inches, 113.5 cm <sup>2</sup> (~88.5% screen-to-body ratio)
	<b>Resolution</b>	1440 x 3120 pixels, 19.5:9 ratio (~505 ppi density)
	<b>Protection</b>	Corning Gorilla Armor Always-on display
<b>PLATFORM</b>	<b>OS</b>	Android 14, up to 7 major Android upgrades, One UI 6.1.1
	<b>Chipset</b>	Qualcomm SM8650-AC Snapdragon 8 Gen 3 (4 nm)
	<b>CPU</b>	8-core (1x3.39GHz Cortex-X4 & 3x3.1GHz Cortex-A720 & 2x2.9GHz Cortex-A720 & 2x2.2GHz Cortex-A520)
	<b>GPU</b>	Adreno 750 (1 GHz)
<b>MEMORY</b>	<b>Card slot</b>	No
	<b>Internal</b>	256GB 12GB RAM, 512GB 12GB RAM, 1TB 12GB RAM
<b>MAIN CAMERA</b>	<b>Quad</b>	200 MP, f/1.7, 24mm (wide), 1/1.3", 0.6µm, multi-directional PDAF, OIS 10 MP, f/2.4, 67mm (telephoto), 1/3.52", 1.12µm, PDAF, OIS, 3x optical zoom 50 MP, f/3.4, 111mm (periscope telephoto), 1/2.52", 0.7µm, PDAF, OIS, 5x optical zoom 12 MP, f/2.2, 13mm, 120° (ultrawide), 1/2.55", 1.4µm, dual pixel PDAF, Super Steady video
	<b>Features</b>	Laser AF, LED flash, auto-HDR, panorama
	<b>Video</b>	8K@24/30fps, 4K@30/60/120fps, 1080p@30/60/240fps, HDR10+, stereo sound rec., gyro-EIS
<b>SELFIE CAMERA</b>	<b>Single</b>	12 MP, f/2.2, 26mm (wide), dual pixel PDAF

	<u>Features</u>	Dual video call, Auto-HDR, HDR10+
	<u>Video</u>	4K@30/60fps, 1080p@30fps
<b>SOUND</b>	Loudspeaker	Yes, with stereo speakers
	3.5mm jack	No 32-bit/384kHz audio Tuned by AKG
<b>COMMS</b>	WLAN	Wi-Fi 802.11 a/b/g/n/ac/6e/7, tri-band, Wi-Fi Direct
	Bluetooth	5.3, A2DP, LE
	Positioning	GPS, GLONASS, BDS, GALILEO, QZSS
	NFC	Yes
	Radio	No
	USB	USB Type-C 3.2, DisplayPort 1.2, OTG
<b>FEATURES</b>	Sensors	Fingerprint (under display, ultrasonic), accelerometer, gyro, proximity, compass, barometer Samsung DeX, Samsung Wireless DeX (desktop experience support) Ultra Wideband (UWB) support Circle to Search
<b>BATTERY</b>	Type	Li-Ion 5000 mAh, non-removable
	Charging	45W wired, PD3.0, 65% in 30 min (advertised) 15W wireless (Qi/PMA) 4.5W reverse wireless



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<b>NETWORK</b>	<b>Technology</b>	GSM / HSPA / LTE / 5G
<b>BODY</b>	<b>Dimensions</b>	163.7 x 76.1 x 7.6 mm (6.44 x 3.00 x 0.30 in)
	<b>Weight</b>	181 g (6.38 oz)
	<b>SIM</b>	Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)
		IP67 dust/water resistant (up to 1m for 30 min)
<b>DISPLAY</b>	<b>Type</b>	Super AMOLED Plus, 120Hz, 800 nits (HBM)
	<b>Size</b>	6.7 inches, 108.4 cm <sup>2</sup> (~87.0% screen-to-body ratio)
	<b>Resolution</b>	1080 x 2400 pixels, 20:9 ratio (~393 ppi density)
	<b>Protection</b>	Corning Gorilla Glass 5
<b>PLATFORM</b>	<b>OS</b>	Android 12, upgradable to Android 14, One UI 6
	<b>Chipset</b>	Qualcomm SM7325 Snapdragon 778G 5G (6 nm)
	<b>CPU</b>	Octa-core (1x2.4 GHz Cortex-A78 & 3x2.2 GHz Cortex-A78 & 4x1.9 GHz Cortex-A55)
	<b>GPU</b>	Adreno 642L
<b>MEMORY</b>	<b>Card slot</b>	microSDXC (uses shared SIM slot)
	<b>Internal</b>	128GB 6GB RAM, 128GB 8GB RAM, 256GB 8GB RAM
<b>MAIN CAMERA</b>	<b>Quad</b>	108 MP, f/1.8, (wide), PDAF, OIS 12 MP, f/2.2, (ultrawide) 5 MP, f/2.4, (macro) 5 MP, f/2.4, (depth)
	<b>Features</b>	LED flash, panorama, HDR
	<b>Video</b>	4K@30fps, 1080p@30/60fps; gyro-EIS
	<b>SELFIE CAMERA</b>	<b>Single</b>
	<b>Features</b>	HDR
	<b>Video</b>	4K@30fps, 1080p@30fps
<b>SOUND</b>	<b>Loudspeaker</b>	Yes, with stereo speakers
	<b>3.5mm jack</b>	No
<b>COMMS</b>	<b>WLAN</b>	Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct
	<b>Bluetooth</b>	5.0, A2DP, LE
	<b>Positioning</b>	GPS, GLONASS, GALILEO, BDS, QZSS

	<u>NFC</u>	Yes (market/region dependent)
	<u>Radio</u>	Unspecified
	<u>USB</u>	USB Type-C 2.0, OTG
<b>FEATURES</b>	<u>Sensors</u>	Fingerprint (under display, optical), accelerometer, gyro, proximity, compass
<b>BATTERY</b>	<u>Type</u>	Li-Po 5000 mAh, non-removable
	<u>Charging</u>	25W wired



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<b>NETWORK</b>	<b>Technology</b>	GSM / HSPA / LTE / 5G
<b>BODY</b>	<b>Dimensions</b>	159.9 x 75.1 x 8.4 mm (6.30 x 2.96 x 0.33 in)
	<b>Weight</b>	189 g (6.67 oz)
	<b>Build</b>	Glass front (Gorilla Glass 5), plastic back
	<b>SIM</b>	Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)
<b>DISPLAY</b>	<b>Type</b>	Super AMOLED, 120Hz, HDR10+, 800 nits (HBM)
	<b>Size</b>	6.5 inches, 101.0 cm <sup>2</sup> (~84.1% screen-to-body ratio)
	<b>Resolution</b>	1080 x 2400 pixels, 20:9 ratio (~407 ppi density)
	<b>Protection</b>	Corning Gorilla Glass 5
<b>PLATFORM</b>	<b>OS</b>	Android 11, upgradable to Android 14, One UI 6.1
	<b>Chipset</b>	Qualcomm SM7225 Snapdragon 750G 5G (8 nm)
	<b>CPU</b>	Octa-core (2x2.2 GHz Kryo 570 & 6x1.8 GHz Kryo 570)
	<b>GPU</b>	Adreno 619
<b>MEMORY</b>	<b>Card slot</b>	microSDXC (uses shared SIM slot)
	<b>Internal</b>	128GB 6GB RAM, 128GB 8GB RAM, 256GB 8GB RAM
	<b>Quad</b>	64 MP, f/1.8, 26mm (wide), 1/1.7X", 0.8µm, PDAF, OIS 12 MP, f/2.2, 123° (ultrawide), 1.12µm 5 MP, f/2.4, (macro) 5 MP, f/2.4, (depth)
	<b>Features</b>	LED flash, panorama, HDR
	<b>Video</b>	4K@30fps, 1080p@30/60fps; gyro-EIS
<b>SELFIE CAMERA</b>	<b>Single</b>	32 MP, f/2.2, 26mm (wide), 1/2.8", 0.8µm
	<b>Features</b>	HDR
	<b>Video</b>	4K@30fps, 1080p@30fps
<b>SOUND</b>	<b>Loudspeaker</b>	Yes, with stereo speakers
	<b>3.5mm jack</b>	Yes
<b>COMMS</b>	<b>WLAN</b>	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct
	<b>Bluetooth</b>	5.0, A2DP, LE
	<b>Positioning</b>	GPS, GLONASS, GALILEO, BDS
	<b>NFC</b>	Yes (market/region dependent)
	<b>Radio</b>	FM radio (market/region dependent)
	<b>USB</b>	USB Type-C 2.0, OTG
<b>FEATURES</b>	<b>Sensors</b>	Fingerprint (under display, optical), accelerometer, gyro, compass
<b>BATTERY</b>	<b>Type</b>	Li-Po 4500 mAh, non-removable
	<b>Charging</b>	25W wired, 50% in 30 min (advertised)



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**PHONE TYPE 5**

<b>NETWORK</b>	<b>Technology</b>	GSM / HSPA / LTE / 5G
<b>BODY</b>	<b>Dimensions</b>	161.7 x 78 x 8.2 mm (6.37 x 3.07 x 0.32 in)
	<b>Weight</b>	209 g (7.37 oz)
	<b>Build</b>	Glass front (Gorilla Glass Victus+), plastic frame, glass back
	<b>SIM</b>	Nano-SIM, eSIM or Hybrid SIM (Nano-SIM, dual stand-by)
<b>DISPLAY</b>	<b>Type</b>	Super AMOLED, 120Hz, 1000 nits (HBM)
	<b>Size</b>	6.6 inches, 106.9 cm <sup>2</sup> (~84.8% screen-to-body ratio)
	<b>Resolution</b>	1080 x 2340 pixels, 19.5:9 ratio (~390 ppi density)
	<b>Protection</b>	Corning Gorilla Glass Victus+ Always-on display
<b>PLATFORM</b>	<b>OS</b>	Android 14, up to 4 major Android upgrades, One UI 6.1
	<b>Chipset</b>	Exynos 1380 (5 nm)
	<b>CPU</b>	Octa-core (4x2.4 GHz Cortex-A78 & 4x2.0 GHz Cortex-A55)
	<b>GPU</b>	Mali-G68 MP5
<b>MEMORY</b>	<b>Card slot</b>	microSDXC (uses shared SIM slot)
	<b>Internal</b>	128GB 6GB RAM, 128GB 8GB RAM, 256GB 6GB RAM, 256GB 8GB RAM, 256GB 12GB RAM
<b>MAIN CAMERA</b>	<b>Triple</b>	50 MP, f/1.8, (wide), 1/1.96", PDAF, OIS 8 MP, f/2.2, 123°, (ultrawide), 1/4.0", 1.12µm 5 MP, f/2.4, (macro)
	<b>Features</b>	LED flash, panorama, HDR
	<b>Video</b>	4K@30fps, 1080p@30/60fps, gyro-EIS
<b>SELFIE CAMERA</b>	<b>Single</b>	13 MP, f/2.2, (wide), 1/3.06", 1.12µm
	<b>Video</b>	4K@30fps, 1080p@30fps
<b>SOUND</b>	<b>Loudspeaker</b>	Yes, with stereo speakers
	<b>3.5mm jack</b>	Yes
<b>COMMS</b>	<b>WLAN</b>	Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct
	<b>Bluetooth</b>	5.3, A2DP, LE
	<b>Positioning</b>	GPS, GALILEO, GLONASS, BDS, QZSS
	<b>NFC</b>	Yes (market/region dependent)
	<b>Radio</b>	No
	<b>USB</b>	USB Type-C 2.0, OTG
<b>FEATURES</b>	<b>Sensors</b>	Fingerprint (under display, optical), accelerometer, gyro, compass
<b>BATTERY</b>	<b>Type</b>	Li-Ion 5000 mAh, non-removable
	<b>Charging</b>	25W wired



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**PRINTER 1 SPECIFICATIONS**

Feature	Specification
<b>Printer Type</b>	Color Multifunction Printer
<b>Functions</b>	Print, Copy, Scan, Optional Fax
<b>Print Technology</b>	Laser (Color)
<b>Display</b>	9-inch color touchscreen
<b>Processor Speed</b>	1.2 GHz
<b>Memory</b>	4 GB standard RAM
<b>Hard Disk</b>	320 GB HDD
<b>Print Speed</b>	Up to 25 pages per minute (ppm) for both black and color
<b>First Page Out</b>	Approximately 6.4 seconds (black), 7.8 seconds (color)
<b>Print Resolution</b>	1200 x 1200 dpi
<b>Duty Cycle</b>	Up to 100,000 pages per month
<b>Duplex Printing</b>	Automatic (standard)
<b>Scan Type</b>	Color and B/W scanning, Dual Scan Document Processor (DPDP)
<b>Scan Resolution</b>	Up to 600 x 600 dpi
<b>Scan Speed</b>	Up to 80 ipm (simplex), 160 ipm (duplex)
<b>Copy Speed</b>	Up to 25 copies per minute (cpm) for both black and color
<b>Copy Resolution</b>	600 x 600 dpi
<b>Max Number of Copies</b>	Up to 999 copies
<b>Reduction/Enlargement</b>	25% to 400% in 1% increments
<b>Fax (Optional)</b>	Fax System 12, Dual Fax option available
<b>Fax Transmission Speed</b>	Less than 3 seconds per page
<b>Standard Connectivity</b>	10/100/1000BaseTX Ethernet, High-Speed USB 2.0, 2 USB Host Interfaces, Optional Wireless LAN
<b>Mobile Printing</b>	Apple AirPrint, Google Cloud Print, Mopria, Mobile Print
<b>Input Capacity</b>	Standard: 1,150 sheets; Maximum: 7,150 sheets
<b>Output Capacity</b>	Standard: 500 sheets
<b>Paper Sizes Supported</b>	Letter, Legal, Ledger, A4, A5, A6, B5, B6, Custom Sizes
<b>Media Types Supported</b>	Plain, Letterhead, Bond, Recycled, Envelopes, Labels, Cardstock, Glossy
<b>Automatic Document Feeder</b>	270 sheets (DPDP)
<b>Dimensions (W x D x H)</b>	23.6 x 25.7 x 30.7 inches (594 x 653 x 779 mm)
<b>Weight</b>	Approximately 243.4 lbs (110.4 kg)
<b>Power Consumption</b>	Printing: 600W, Ready: 100W, Sleep Mode: 1W
<b>Operating Temperature Range</b>	50 to 90.5°F (10 to 32.5°C)
<b>Operating Humidity Range</b>	20% to 80% RH
<b>Security Features</b>	Standard: IPsec, SSL, Network Authentication, Optional Data Security Kit (E)



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PRINTER 2 SPECIFICATIONS

Feature	Specification
<b>Printer Type</b>	Monochrome Multifunction Printer
<b>Functions</b>	Print, Copy, Scan, Optional Fax
<b>Print Technology</b>	Laser (Monochrome)
<b>Display</b>	10.1-inch color touchscreen with tablet-like home screen
<b>Processor Speed</b>	1.6 GHz
<b>Memory</b>	4 GB standard RAM
<b>Hard Disk</b>	320 GB HDD
<b>Print Speed</b>	Up to 50 pages per minute (ppm)
<b>First Page Out</b>	Approximately 3.7 seconds
<b>Print Resolution</b>	1200 x 1200 dpi
<b>Duty Cycle</b>	Up to 225,000 pages per month
<b>Duplex Printing</b>	Automatic (standard)
<b>Scan Type</b>	Color and B/W scanning, Dual Scan Document Processor (DPDP)
<b>Scan Resolution</b>	Up to 600 x 600 dpi
<b>Scan Speed</b>	Up to 120 ipm (simplex), 220 ipm (duplex)
<b>Copy Speed</b>	Up to 50 copies per minute (cpm)
<b>Copy Resolution</b>	600 x 600 dpi
<b>Max Number of Copies</b>	Up to 999 copies
<b>Reduction/Enlargement</b>	25% to 400% in 1% increments
<b>Fax (Optional)</b>	Fax System 12, Dual Fax option available
<b>Fax Transmission Speed</b>	Less than 3 seconds per page
<b>Standard Connectivity</b>	10/100/1000BaseTX Ethernet, High-Speed USB 2.0, 2 USB Host Interfaces, Optional Wireless LAN
<b>Mobile Printing</b>	Apple AirPrint, Google Cloud Print, Mopria, Mobile Print
<b>Input Capacity</b>	Standard: 1,150 sheets; Maximum: 7,150 sheets
<b>Output Capacity</b>	Standard: 500 sheets
<b>Paper Sizes Supported</b>	Letter, Legal, Ledger, A4, A5, A6, B5, B6, Custom Sizes
<b>Media Types Supported</b>	Plain, Letterhead, Bond, Recycled, Envelopes, Labels, Cardstock, Glossy
<b>Automatic Document Feeder</b>	270 sheets (DPDP)
<b>Dimensions (W x D x H)</b>	23.6 x 25.7 x 30.7 inches (594 x 653 x 779 mm)
<b>Weight</b>	Approximately 215 lbs (97.5 kg)
<b>Power Consumption</b>	Printing: 710W, Ready: 100W, Sleep Mode: 1W
<b>Operating Temperature Range</b>	50 to 90.5°F (10 to 32.5°C)
<b>Operating Humidity Range</b>	20% to 80% RH
<b>Security Features</b>	Standard: IPsec, SSL, Network Authentication, Optional Data Security Kit (E)





**PRINTER 3 SPECIFICATIONS**

<b>Feature</b>	<b>Specification</b>
<b>Printer Type</b>	Color Laser Printer (Not Monochrome)
<b>Functions</b>	Print, Copy, Scan, Fax, Email
<b>Print Technology</b>	Laser
<b>Display</b>	4.3-inch color touchscreen
<b>Processor Speed</b>	1200 MHz
<b>Memory</b>	512 MB
<b>Print Speed</b>	Up to 28 pages per minute (ppm) for both black and color
<b>First Page Out</b>	As fast as 9.7 seconds (black) and 11.3 seconds (color)
<b>Print Resolution</b>	Up to 600 x 600 dpi
<b>Duty Cycle</b>	Up to 50,000 pages per month
<b>Recommended Monthly Volume</b>	900 to 4,800 pages
<b>Duplex Printing</b>	Automatic (standard)
<b>Scan Type</b>	Flatbed, ADF (Automatic Document Feeder)
<b>Scan Resolution</b>	Up to 1200 x 1200 dpi
<b>Scan Speed</b>	Up to 26 ppm (B/W) and 21 ppm (color) for single-sided; 49 ipm (B/W) and 35 ipm (color) for two-sided
<b>Copy Speed</b>	Up to 19 copies per minute (cpm) for both black and color
<b>Copy Resolution</b>	Up to 600 x 600 dpi
<b>Max Number of Copies</b>	Up to 999 copies
<b>Reduction/Enlargement</b>	25% to 400%
<b>Fax Resolution</b>	Up to 300 x 300 dpi
<b>Transmission Speed</b>	3 seconds per page
<b>Fax Memory</b>	Up to 400 pages
<b>Standard Connectivity</b>	Hi-Speed USB 2.0, Host USB, Gigabit Ethernet, Dual-band Wi-Fi, Fax port, Wireless Direct Printing, NFC
<b>Mobile Printing</b>	Apple AirPrint, Google Cloud Print, HP ePrint, Mopria Certified
<b>Input Capacity</b>	Up to 300 sheets
<b>Output Capacity</b>	Up to 150 sheets
<b>Paper Sizes Supported</b>	Letter, Legal, Executive, Oficio, A4, A5, A6, B5 (JIS), B6 (JIS), 16K, Envelope, Custom sizes
<b>Media Types Supported</b>	Paper (various types), envelopes, labels, transparencies, cardstock

<b>Automatic Document Feeder</b>	50 sheets
<b>Dimensions (W x D x H)</b>	416 x 472 x 400 mm (16.4 x 18.6 x 15.7 inches)
<b>Weight</b>	23.4 kg (51.6 lbs)
<b>Power Consumption</b>	510 watts (active printing), 14.3 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto-Off), 0.06 watts (off)
<b>Operating Temperature Range</b>	15 to 30°C (59 to 86°F)
<b>Operating Humidity Range</b>	10 to 80% RH
<b>Security Features</b>	Secure Boot, Secure Firmware Integrity, LDAP Authentication, 802.1X Authentication, Certificate Management, IPsec/Firewall, Pre-shared Key Authentication, Kerberos Authentication



**PRINTER 4 SPECIFICATIONS**

<b>Ports</b>	1 Hi-Speed USB 2.0; 1 Ethernet 10/100Base-TX
<b>Copier settings</b>	Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Collation; Draft Mode
<b>Copy reduce/enlarge settings</b>	25 to 400%
<b>Copy speed (black, normal)</b>	Up to 30 CPM (Letter), 28 CPM (A4)
<b>Memory, standard</b>	256 MB
<b>Network protocols, supported</b>	USB 2.0, Ethernet, TCP/IP: IPv4; IPv6; IP Direct Mode; LPD; SLP; Bonjour; WS-Discovery; BOOTP/DHCP/Auto IP; WINS; SNMP v 1/2/3; HTTP/HTTPS
<b>Input capacity</b>	Up to 260 sheets
<b>Output capacity</b>	Up to 150 sheets
<b>Media sizes supported (metric)</b>	A4
<b>Media sizes supported (U.S. standard)</b>	Letter; Legal
<b>Media sizes, custom (U.S. standard)</b>	3 x 5 to 8.5 x 14 in
<b>Media types</b>	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards
<b>Media weight supported (metric)</b>	60 to 163 g/m <sup>2</sup>
<b>Media weight supported (U.S. standard)</b>	16 to 43 lb
<b>Connectivity</b>	USB/Ethernet
<b>Speed Black</b>	at least 25 ppm
<b>Paper handling - duplexer</b>	
<b>Recommended media weight, duplex (metric)</b>	60 to 105 g/m <sup>2</sup>
<b>Recommended media weight, duplex (U.S. standard)</b>	16 to 28 lb
<b>Media sizes, duplex (metric)</b>	A4
<b>Media sizes, duplex (U.S. standard)</b>	Letter; legal
<b>Power</b>	
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off technology
<b>Power supply</b>	110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 5.9 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz, 3.3A
<b>Print cartridges</b>	
<b>Number of print cartridges</b>	1 Black cartridge, 1 drum
<b>Printing specifications</b>	
<b>Print technology</b>	Laser

<b>Scan</b>	
<b>Scan technology</b>	CIS
<b>Scan speed (normal)</b>	Up to 15 ppm
<b>Scan duplexer</b>	Both sides
<b>Scan resolution, hardware</b>	Up to 300 x 300 dpi (color and mono, ADF); Up to 600 x 600 dpi (color, flatbed); Up to 1200 x 1200 dpi (mono, flatbed)
<b>Compatible network operating systems</b>	Windows 10, 8, 7 (32-bit or 64-bit); 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer;
<b>One year warranty</b>	



**PRINTER 5 SPECIFICATIONS**

Feature	Specification
<b>Printer Type</b>	Monochrome Laser Printer
<b>Functions</b>	Print
<b>Print Technology</b>	Laser (Monochrome)
<b>Display</b>	2-line LCD with keypad
<b>Processor Speed</b>	800 MHz
<b>Memory</b>	256 MB
<b>Print Speed</b>	Up to 35 pages per minute (ppm)
<b>First Page Out</b>	As fast as 8 seconds
<b>Print Resolution</b>	Up to 1200 x 1200 dpi
<b>Duty Cycle</b>	Up to 50,000 pages per month
<b>Recommended Monthly Volume</b>	750 to 3,000 pages
<b>Duplex Printing</b>	Automatic (standard)
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0, 1 Ethernet 10/100Base-TX
<b>Mobile Printing</b>	ePrint, Apple AirPrint
<b>Input Capacity</b>	Standard: 300 sheets (250-sheet input tray, 50-sheet multipurpose tray)
<b>Output Capacity</b>	150 sheets
<b>Paper Sizes Supported</b>	Letter, Legal, Executive, Oficio, A4, A5, A6, B5 (JIS), B6 (JIS), 16K, Custom sizes
<b>Media Types Supported</b>	Paper (plain, EcoFFICIENT, light, heavy, bond, color, letterhead, preprinted, pre-punched, recycled, rough), envelopes, labels, transparencies, cardstock
<b>Dimensions (W x D x H)</b>	364.6 x 368 x 267.5 mm (14.3 x 14.5 x 10.5 inches)
<b>Weight</b>	10.1 kg (22.2 lbs)
<b>Power Consumption</b>	570 watts (printing), 7.3 watts (ready), 1.6 watts (sleep), 0.1 watts (off)
<b>Operating Temperature Range</b>	15 to 32.5°C (59 to 90.5°F)
<b>Operating Humidity Range</b>	30% to 70% RH
<b>Security Features</b>	HP Auto-On/Auto-Off Technology, IPv6, IPsec, 802.1X Authentication



**ROUTER TYPE 1**

Specification	Details
<b>Model</b>	ISR 4331 (ISR4331/K9)
<b>Series</b>	Cisco 4000 Series Integrated Services Routers
<b>WAN Ports</b>	2 x Integrated Gigabit Ethernet (RJ-45) Ports
<b>LAN Ports</b>	1 x Gigabit Ethernet (RJ-45)
<b>NIM (Network Interface Modules)</b>	2 Slots
<b>SM (Service Module) Slots</b>	1 Slot
<b>Flash Memory</b>	4 GB (Upgradable to 16 GB)
<b>Memory (RAM)</b>	4 GB DDR3 DRAM (Upgradable to 16 GB)
<b>Maximum Throughput</b>	Up to 100 Mbps (default), upgradable to 300 Mbps
<b>Routing Capabilities</b>	IPv4, IPv6, MPLS, BGP, OSPF, EIGRP, IS-IS, RIP
<b>Security Features</b>	IPsec, VPN, SSL VPN, Cisco Zone-Based Firewall, NAT
<b>QoS Support</b>	Advanced QoS (Application-aware)
<b>Voice and Video</b>	Cisco Unified Communications, Voice Gateway Support
<b>Redundancy</b>	Dual Integrated Power Supplies (Optional)
<b>Management</b>	CLI, Cisco IOS-XE, WebUI, SNMP
<b>Virtualization</b>	Cisco NFV (Network Function Virtualization) support
<b>Expansion Capabilities</b>	Up to 2 NIMs, 1 SM
<b>Dimensions</b>	44.5 x 43.8 x 4.4 cm (17.5 x 17.25 x 1.75 in)
<b>Weight</b>	7.25 kg (16 lbs)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)
<b>Power Supply</b>	250W AC or PoE power supply, optional Redundant PSU



**ROUTER TYPE 2**

Specification	Details
<b>Model</b>	ISR 2911 (ISR2911/K9)
<b>Series</b>	Cisco 2900 Series Integrated Services Routers
<b>WAN Ports</b>	3 x Integrated 10/100/1000 Gigabit Ethernet Ports
<b>LAN Ports</b>	2 x Gigabit Ethernet Ports
<b>Expansion Slots</b>	4 x Enhanced High-Speed WAN Interface Card (EHWIC) Slots
<b>PVDM Slots</b>	2 x PVDM3 Slots for Digital Signal Processing
<b>Flash Memory</b>	256 MB (Upgradable to 4 GB)
<b>Memory (RAM)</b>	512 MB (Default) DDR2 DRAM, Upgradable to 2 GB
<b>Maximum Throughput</b>	Up to 75 Mbps (default), scalable with performance licenses
<b>Routing Capabilities</b>	IPv4, IPv6, MPLS, OSPF, EIGRP, BGP, IS-IS, RIP
<b>Security Features</b>	Cisco IOS Firewall, VPN, IPsec, SSL VPN, Zone-Based Firewall
<b>VPN Support</b>	IPsec VPN, SSL VPN, GET VPN
<b>Voice and Video</b>	Cisco Unified Communications, Voice Gateway, SRST (Survivable Remote Site Telephony)
<b>QoS Support</b>	Advanced QoS (application-aware)
<b>Redundancy</b>	Dual Power Supply Options (AC, DC)
<b>Management</b>	CLI, Cisco Configuration Professional (CCP), SNMP
<b>Virtualization</b>	Cisco Unified Computing System Express (UCS-E) Modules support
<b>Expansion Capabilities</b>	EHWIC, PVDM3 for voice and data support, Service Modules (SMs)
<b>Dimensions</b>	43.8 x 43.8 x 8.9 cm (17.25 x 17.25 x 3.5 in)
<b>Weight</b>	9.07 kg (20 lbs)
<b>Power Supply</b>	250W AC or DC Power Supply, Optional Redundant PSU
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)
<b>MTBF (Mean Time Between Failures)</b>	298,500 hours



**ROUTER TYPE 3**

Specification	Details
<b>Model</b>	Cisco ISR 891F (ISR891F/K9)
<b>Series</b>	Cisco 800 Series Integrated Services Routers
<b>WAN Ports</b>	1 x Gigabit Ethernet (GE) WAN Port
<b>LAN Ports</b>	4 x 10/100/1000 Gigabit Ethernet Ports
<b>Integrated Cellular Module</b>	1 x 3G/4G LTE Cellular Module (optional)
<b>Expansion Slots</b>	1 x High-Speed WAN Interface Card (HWIC) Slot
<b>Flash Memory</b>	512 MB (Upgradable)
<b>Memory (RAM)</b>	1 GB DDR3 (Upgradable)
<b>Maximum Throughput</b>	Up to 100 Mbps
<b>Routing Capabilities</b>	IPv4, IPv6, MPLS, OSPF, EIGRP, BGP, IS-IS, RIP
<b>Security Features</b>	IPsec, VPN, SSL VPN, Cisco Zone-Based Firewall
<b>VPN Support</b>	IPsec VPN, SSL VPN, GET VPN
<b>Voice and Video</b>	Cisco Unified Communications, SRST (Survivable Remote Site Telephony)
<b>QoS Support</b>	Basic QoS with classification and traffic shaping
<b>Redundancy</b>	Single Power Supply
<b>Management</b>	CLI, Cisco Configuration Professional (CCP), WebUI, SNMP
<b>Virtualization</b>	No support for virtualization
<b>Dimensions</b>	43.5 x 23.6 x 4.4 cm (17.1 x 9.3 x 1.7 in)
<b>Weight</b>	4.5 kg (9.9 lbs)
<b>Power Supply</b>	100-240V AC Power Supply
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 70°C (-4°F to 158°F)





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ROUTER TYPE 4

Specification	Details
Model	ISR 1921 (ISR1921/K9)
Series	Cisco 1900 Series Integrated Services Routers
WAN Ports	2 x Gigabit Ethernet (GE) Ports
LAN Ports	2 x 10/100/1000 Gigabit Ethernet Ports
Expansion Slots	2 x Enhanced High-Speed WAN Interface Card (EHWIC) Slots
PVDM Slots	1 x PVDM3 Slot for Digital Signal Processing
Flash Memory	256 MB (Upgradable to 4 GB)
Memory (RAM)	512 MB (Default), Upgradable to 2 GB
Maximum Throughput	Up to 75 Mbps (default), scalable with performance licenses
Routing Capabilities	IPv4, IPv6, MPLS, OSPF, EIGRP, BGP, IS-IS, RIP
Security Features	Cisco IOS Firewall, VPN, IPsec, SSL VPN, Zone-Based Firewall
VPN Support	IPsec VPN, SSL VPN, GET VPN
Voice and Video	Cisco Unified Communications, Voice Gateway, SRST (Survivable Remote Site Telephony)
QoS Support	Advanced QoS (application-aware)
Redundancy	Optional Dual Power Supply
Management	CLI, Cisco Configuration Professional (CCP), SNMP
Virtualization	No support for virtualization
Dimensions	43.8 x 31.5 x 4.4 cm (17.25 x 12.4 x 1.75 in)
Weight	5.8 kg (12.8 lbs)
Power Supply	100-240V AC Power Supply
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)



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**ROUTER TYPE 5**

<b>Specification</b>	<b>Details</b>
<b>Model</b>	RB3011
<b>Series</b>	Router Board
<b>WAN Ports</b>	1 x 10G SFP+ Port
<b>LAN Ports</b>	10 x Gigabit Ethernet (RJ45) Ports
<b>CPU</b>	ARM Cortex-A15, 1.4 GHz Dual-Core
<b>RAM</b>	1 GB DDR3
<b>Flash Memory</b>	512 MB NAND
<b>Maximum Throughput</b>	Up to 10 Gbps (with SFP+ port)
<b>Routing Capabilities</b>	IPv4, IPv6, MPLS, OSPF, BGP, EIGRP, IS-IS, RIP
<b>Security Features</b>	Firewall, VPN, IPsec, L2TP, PPTP, OpenVPN
<b>QoS Support</b>	Advanced QoS features
<b>Management</b>	CLI, Web Fig (Web-based Interface), Win Box, SNMP
<b>Dimensions</b>	44 x 216 x 44 mm (1.73 x 8.5 x 1.73 in)
<b>Weight</b>	1.24 kg (2.73 lbs)
<b>Power Supply</b>	24V DC (Included Power Adapter)
<b>Operating Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)



**CABINET TYPE 1**

<b>Specification</b>	<b>Details</b>
<b>Rack Units (U)</b>	42U
<b>Height</b>	Approximately 78 inches (198 cm)
<b>Width</b>	19 inches (48.3 cm)
<b>Depth</b>	800 mm (31.5 inches)
<b>Material</b>	Steel or aluminum with powder-coated finish
<b>Weight Capacity</b>	800-1,500 lbs (363-680 kg)
<b>Doors</b>	Front and rear doors, usually perforated for ventilation
<b>Side Panels</b>	Removable or hinged for access
<b>Cooling</b>	Includes ventilation options with fan mounts or optional cooling units
<b>Cable Management</b>	Includes vertical and horizontal cable management options
<b>Mounting Rails</b>	Adjustable to fit various rackmount equipment
<b>Accessibility</b>	Lockable doors for security, easy access for maintenance
<b>Ventilation</b>	Includes air vents and fan options for optimal airflow
<b>Grounding</b>	Typically includes grounding provisions for electrical safety



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CABINET TYPE 2

Specification	Details
Rack Units (U)	22U
Height	Approximately 38.5 inches (98 cm)
Width	19 inches (48.3 cm)
Depth	800 mm (31.5 inches)
Material	Steel or aluminum with powder-coated finish
Weight Capacity	600-1,000 lbs (272-454 kg)
Doors	Front and rear doors, usually perforated for ventilation
Side Panels	Removable or hinged for easy access
Cooling	Includes ventilation options with fan mounts or optional cooling units
Cable Management	Integrated cable management options
Mounting Rails	Adjustable rails to fit various rackmount equipment
Accessibility	Lockable doors for security, convenient access for maintenance
Ventilation	Air vents and fan options for effective airflow
Grounding	Includes grounding provisions for electrical safety



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CABINET TYPE 3

Specification	Details
Rack Units (U)	18U
Height	Approximately 31.5 inches (80 cm)
Width	19 inches (48.3 cm)
Depth	800 mm (31.5 inches)
Material	Steel or aluminum with powder-coated finish
Weight Capacity	500-800 lbs (227-363 kg)
Doors	Front and rear doors, perforated for ventilation
Side Panels	Removable or hinged for easy access
Cooling	Includes ventilation options with fan mounts or optional cooling units
Cable Management	Integrated cable management options
Mounting Rails	Adjustable rails to fit various rackmount equipment
Accessibility	Lockable doors for security, convenient access for maintenance
Ventilation	Air vents and fan options for effective airflow
Grounding	Includes grounding provisions for electrical safety



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CABINET TYPE 4

Specification	Details
Rack Units (U)	9U
Height	Approximately 15.75 inches (40 cm)
Width	19 inches (48.3 cm)
Depth	600 mm (23.6 inches)
Material	Steel or aluminum with powder-coated finish
Weight Capacity	200-400 lbs (90-180 kg)
Doors	Front and rear doors, usually perforated for ventilation
Side Panels	Removable or hinged for easy access
Cooling	Includes ventilation options with fan mounts or optional cooling units
Cable Management	Integrated cable management options
Mounting Rails	Adjustable rails to fit various rackmount equipment
Accessibility	Lockable doors for security, convenient access for maintenance
Ventilation	Air vents and fan options for effective airflow
Grounding	Includes grounding provisions for electrical safety



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### SWITCH TYPE 1

Specification	Details
Model	Cisco Catalyst 2960X-48FPS-L
Series	Cisco Catalyst 2960-X
Form Factor	1U Rack-Mountable
Total Ports	48 x 10/100/1000 Gigabit Ethernet Ports
Uplink Ports	4 x 1G SFP Uplink Ports
PoE Support	Yes, PoE/PoE+
PoE Power Budget	740W
PoE Power per Port	Up to 30W (PoE+)
Switching Capacity	216 Gbps
Forwarding Rate	107.1 Mpps
Stacking	Supports FlexStack-Plus (up to 8 switches)
Memory (RAM)	512 MB
Flash Memory	128 MB
Layer Support	Layer 2 and basic Layer 3
Management	CLI, Web Interface, Cisco Network Assistant
Security Features	ACLs, DHCP Snooping, IP Source Guard, 802.1X
QoS Support	Advanced QoS for traffic prioritization
Energy Efficiency	Energy Efficient Ethernet (EEE) 802.3az
Power Supply	Dual Redundant Power Supplies Supported
Dimensions	44.5 x 27.9 x 4.5 cm (17.5 x 11 x 1.75 in)
Weight	8.4 kg (18.52 lbs)
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
MTBF (Mean Time Between Failures)	320,000 hours



**SWITCH TYPE 2**

Specification	Details
<b>Model</b>	Cisco Catalyst 2960X-24FPS-L
<b>Series</b>	Cisco Catalyst 2960-X
<b>Form Factor</b>	1U Rack-Mountable
<b>Total Ports</b>	24 x 10/100/1000 Gigabit Ethernet Ports
<b>Uplink Ports</b>	4 x 1G SFP Uplink Ports
<b>PoE Support</b>	Yes, PoE/PoE+
<b>PoE Power Budget</b>	370W
<b>PoE Power per Port</b>	Up to 30W (PoE+)
<b>Switching Capacity</b>	216 Gbps
<b>Forwarding Rate</b>	95.2 Mpps
<b>Stacking</b>	Supports FlexStack-Plus (up to 8 switches)
<b>Memory (RAM)</b>	512 MB
<b>Flash Memory</b>	128 MB
<b>Layer Support</b>	Layer 2 and basic Layer 3
<b>Management</b>	CLI, Web Interface, Cisco Network Assistant
<b>Security Features</b>	ACLs, DHCP Snooping, IP Source Guard, 802.1X
<b>QoS Support</b>	Advanced QoS for traffic prioritization
<b>Energy Efficiency</b>	Energy Efficient Ethernet (EEE) 802.3az
<b>Power Supply</b>	Dual Redundant Power Supplies Supported
<b>Dimensions</b>	44.5 x 27.9 x 4.5 cm (17.5 x 11 x 1.75 in)
<b>Weight</b>	5.6 kg (12.34 lbs)
<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-25°C to 70°C (-13°F to 158°F)
<b>MTBF (Mean Time Between Failures)</b>	432,000 hours





**SWITCH TYPE 3**

Specification	Details
Model	Cisco SG350-48MP
Series	Cisco Small Business 350 Series
Total Ports	48 x 10/100/1000 Gigabit Ethernet Ports
Uplink Ports	2 x 1G/5G SFP Combo Ports
PoE Support	Yes, PoE/PoE+
PoE Power Budget	740W
PoE Power per Port	Up to 30W per port (PoE+)
Switching Capacity	104 Gbps
Forwarding Rate	77.38 Mpps
Stacking	No stacking capability
Memory (RAM)	512 MB
Flash Memory	256 MB
Layer Support	Layer 2 and Layer 3
Management	CLI, Web-based GUI, Cisco FindIT, SNMP
Security Features	ACLs, DHCP Snooping, IP Source Guard, 802.1X
QoS Support	Advanced QoS with 8 priority queues
Energy Efficiency	Energy Efficient Ethernet (EEE) 802.3az
Power Supply	Internal Power Supply
Dimensions	44 x 25.7 x 4.4 cm (17.3 x 10.1 x 1.7 in)
Weight	5.32 kg (11.73 lbs)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
MTBF (Mean Time Between Failures)	355,050 hours



**SWITCH TYPE 4**

<b>Specification</b>	<b>Details</b>
<b>Model</b>	Cisco SG350-28P
<b>Series</b>	Cisco Small Business 350 Series
<b>Total Ports</b>	24 x 10/100/1000 Gigabit Ethernet Ports
<b>Uplink Ports</b>	2 x 1G/5G SFP Combo Ports
<b>PoE Support</b>	Yes, PoE/PoE+
<b>PoE Power Budget</b>	195W
<b>PoE Power per Port</b>	Up to 30W per port (PoE+)
<b>Switching Capacity</b>	56 Gbps
<b>Forwarding Rate</b>	41.66 Mpps
<b>Stacking</b>	No stacking capability
<b>Memory (RAM)</b>	512 MB
<b>Flash Memory</b>	256 MB
<b>Layer Support</b>	Layer 2 and basic Layer 3
<b>Management</b>	CLI, Web-based GUI, Cisco FindIT, SNMP
<b>Security Features</b>	ACLs, DHCP Snooping, IP Source Guard, 802.1X
<b>QoS Support</b>	Advanced QoS with 8 priority queues
<b>Energy Efficiency</b>	Energy Efficient Ethernet (EEE) 802.3az
<b>Power Supply</b>	Internal Power Supply
<b>Dimensions</b>	44 x 20 x 4.4 cm (17.3 x 7.87 x 1.73 in)
<b>Weight</b>	3.65 kg (8.05 lbs)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-20°C to 70°C (-4°F to 158°F)
<b>MTBF (Mean Time Between Failures)</b>	328,991 hours



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Switch type 5

Specification	Details
Model	Cisco Catalyst 2960-48TC-L
Series	Cisco Catalyst 2960 Series
Total Ports	48 x 10/100 Fast Ethernet Ports
Uplink Ports	2 x 10/100/1000 Gigabit Ethernet Combo (SFP) Ports
Switching Capacity	16.8 Gbps
Forwarding Rate	6.5 Mpps
Stacking	Not stackable
Memory (RAM)	64 MB
Flash Memory	32 MB
Layer Support	Layer 2
Management	CLI, Web-Based Interface, Cisco Network Assistant
Security Features	ACLs, 802.1X, Port Security
QoS Support	Basic QoS with classification and traffic shaping
Energy Efficiency	Not Energy Efficient Ethernet (older model)
Power Supply	Fixed Internal Power Supply
Dimensions	44.5 x 23.6 x 4.5 cm (17.5 x 9.3 x 1.75 in)
Weight	4.5 kg (9.92 lbs)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
MTBF (Mean Time Between Failures)	336,000 hours



**Switch type 6**

<b>Specification</b>	<b>Details</b>
<b>Model</b>	Cisco Catalyst 2960-24TC-L
<b>Series</b>	Cisco Catalyst 2960 Series
<b>Total Ports</b>	24 x 10/100 Fast Ethernet Ports
<b>Uplink Ports</b>	2 x 10/100/1000 Gigabit Ethernet Combo (SFP) Ports
<b>Switching Capacity</b>	8.8 Gbps
<b>Forwarding Rate</b>	6.5 Mpps
<b>Stacking</b>	Not stackable
<b>Memory (RAM)</b>	64 MB
<b>Flash Memory</b>	32 MB
<b>Layer Support</b>	Layer 2
<b>Management</b>	CLI, Web-Based Interface, Cisco Network Assistant
<b>Security Features</b>	ACLs, 802.1X, Port Security
<b>QoS Support</b>	Basic QoS with classification and traffic shaping
<b>Energy Efficiency</b>	Not Energy Efficient Ethernet (older model)
<b>Power Supply</b>	Fixed Internal Power Supply
<b>Dimensions</b>	44.5 x 23.6 x 4.5 cm (17.5 x 9.3 x 1.75 in)
<b>Weight</b>	4.0 kg (8.82 lbs)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-25°C to 70°C (-13°F to 158°F)
<b>MTBF (Mean Time Between Failures)</b>	461,000 hours



Switch type 7

Specification	Details
Model	SF200-48
Series	200 Series
Total Ports	48 x 10/100 Fast Ethernet Ports
Uplink Ports	2 x Gigabit Ethernet (RJ45) Combo Ports (with SFP)
Switching Capacity	17.6 Gbps
Forwarding Rate	13.1 Mpps
Stacking	No stacking capability
Layer Support	Layer 2
Management	Web-based GUI, Cisco FindIT, SNMP
Security Features	ACLs, 802.1X, MAC-based port security
QoS Support	Basic QoS with 4 priority queues
Energy Efficiency	Energy Efficient Ethernet (EEE) 802.3az
Power Supply	Internal Power Supply
Dimensions	44 x 25.7 x 4.4 cm (17.3 x 10.1 x 1.73 in)
Weight	3.52 kg (7.75 lbs)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
MTBF (Mean Time Between Failures)	389,030 hours



Switch type 8

Specification	Details
Model	Cisco SF200-24
Series	Cisco Small Business 200 Series
Total Ports	24 x 10/100 Fast Ethernet Ports
Uplink Ports	2 x Gigabit Ethernet (RJ45) Combo Ports (with SFP)
Switching Capacity	12.8 Gbps
Forwarding Rate	9.52 Mpps
Stacking	No stacking capability
Layer Support	Layer 2
Management	Web-based GUI, Cisco FindIT, SNMP
Security Features	ACLs, 802.1X, MAC-based port security
QoS Support	Basic QoS with 4 priority queues
Energy Efficiency	Energy Efficient Ethernet (EEE) 802.3az
Power Supply	Internal Power Supply
Dimensions	44 x 20.3 x 4.4 cm (17.3 x 8 x 1.73 in)
Weight	2.45 kg (5.4 lbs)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
MTBF (Mean Time Between Failures)	486,435 hours



**Switch type 9**

<b>Specification</b>	<b>Details</b>
<b>Model</b>	TP-Link TL-SG1048
<b>Series</b>	TP-Link TL-SG1000 Series
<b>Total Ports</b>	48 x 10/100/1000 Gigabit Ethernet Ports
<b>Uplink Ports</b>	None (all ports are Gigabit Ethernet)
<b>Switching Capacity</b>	96 Gbps
<b>Forwarding Rate</b>	71.4 Mpps
<b>Stacking</b>	No stacking capability
<b>Layer Support</b>	Layer 2
<b>Management</b>	Unmanaged (Plug and Play)
<b>QoS Support</b>	No QoS (Unmanaged switch)
<b>Energy Efficiency</b>	Energy Efficient Ethernet (IEEE 802.3x flow control)
<b>Power Supply</b>	Internal Power Supply
<b>Dimensions</b>	43 x 18 x 4.4 cm (17 x 7.1 x 1.7 in)
<b>Weight</b>	3.7 kg (8.16 lbs)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)
<b>MTBF (Mean Time Between Failures)</b>	374,800 hours



Switch type 10

Feature	Specification
Product Name	24-Port Gigabit Rackmount Switch
Port Count	24 Gigabit Ethernet ports
Switch Type	Unmanaged
Port Speed	10/100/1000 Mbps
Bandwidth	48 Gbps
MAC Address Table	8K entries
Forwarding Rate	35.7 Mpps (Million packets per second)
Jumbo Frame Support	10 KB
Auto MDI/MDIX	Yes
Energy Efficiency	IEEE 802.3x Flow Control, Energy-Efficient Ethernet (EEE)
Housing	Metal, fanless design
LED Indicators	Power, Link/Activity per port
Mounting Options	Rackmount or desktop
Dimensions (W x D x H)	294 x 180 x 44 mm (11.6 x 7.1 x 1.7 inches)
Power Supply	Internal power supply (100-240V AC, 50/60Hz)
Power Consumption	Maximum: 13.2W (220V/50Hz)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 90% non-condensing
Certifications	FCC, CE, RoHS





Switch type 11

Feature	Specification
Product Name	5-Port Gigabit Desktop Switch
Port Count	5 Gigabit Ethernet ports
Switch Type	Unmanaged
Port Speed	10/100/1000 Mbps
Bandwidth	10 Gbps
MAC Address Table	2K entries
Forwarding Rate	7.44 Mpps (Million packets per second)
Jumbo Frame Support	9 KB
Auto MDI/MDIX	Yes
Energy Efficiency	IEEE 802.3x Flow Control, Energy-Efficient Ethernet (EEE)
Housing	Metal, fanless design
LED Indicators	Power, Link/Activity
Mounting Options	Desktop or wall-mountable
Dimensions (W x D x H)	99.8 x 98 x 25 mm (3.9 x 3.9 x 1.0 inches)
Power Supply	External power adapter (5V/0.6A)
Power Consumption	Maximum: 2.3W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 90% non-condensing
Certifications	FCC, CE, RoHS



**TABLET TYPE 1**

<b>NETWORK</b>	<b>4G bands</b>	1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 19, 20, 25, 26, 28, 29, 30, 38, 40, 41, 66, 71
	<b>Speed</b>	HSPA, LTE
<b>BODY</b>	<b>Dimensions</b>	166.3 x 225.3 x 7.2 mm (6.55 x 8.87 x 0.28 in)
	<b>Weight</b>	465 g (1.03 lb)
	<b>Build</b>	Glass front, aluminum frame, aluminum back
	<b>SIM</b>	Nano-SIM Stylus support
<b>DISPLAY</b>	<b>Type</b>	IPS LCD, 90Hz, 400 nits (typ)
	<b>Size</b>	11.0 inches, 350.9 cm <sup>2</sup> (~93.6% screen-to-body ratio)
	<b>Resolution</b>	1200 x 1920 pixels, 16:10 ratio (~206 ppi density)
<b>PLATFORM</b>	<b>OS</b>	Android 13
	<b>Chipset</b>	Mediatek MT6769H Helio G88 (12nm)
	<b>CPU</b>	Octa-core (2x2.0 GHz Cortex-A75 & 6x1.8 GHz Cortex-A55)
	<b>GPU</b>	Mali-G52 MC2
<b>MEMORY</b>	<b>Card slot</b>	microSDXC (dedicated slot)
	<b>Internal</b>	128GB 4GB RAM Emmc 5.1
<b>MAIN CAMERA</b>	<b>Single</b>	13 MP, f/2.2, (wide), AF or 8 MP, f/2.0, (wide), AF
	<b>Features</b>	LED flash
	<b>Video</b>	1080p@30fps
<b>SELFIE CAMERA</b>	<b>Single</b>	8 MP, f/2.0, (wide)
	<b>Video</b>	1080p@30fps
<b>SOUND</b>	<b>Loudspeaker</b>	Yes, with stereo speakers (4 speakers)
	<b>3.5mm jack</b>	Yes
<b>COMMS</b>	<b>WLAN</b>	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct
	<b>Bluetooth</b>	5.1, A2DP, LE
	<b>Positioning</b>	GPS, GLONASS, BDS
	<b>NFC</b>	No
	<b>Radio</b>	No
<b>FEATURES</b>	<b>Sensors</b>	Accelerometer, gyro, proximity (accessories only)
	<b>USB</b>	USB Type-C 2.0
<b>BATTERY</b>	<b>Type</b>	Li-Po 7040 mAh, non-removable
	<b>Charging</b>	15W wired
<b>WARRANTY</b>	<b>Type</b>	1 year's warranty (12 months)



TABLET TYPE 2

<b>NETWORK</b>	<b>5G BANDS</b>	1, 3, 5, 7, 8, 20, 28, 38, 40, 41, 66, 77, 78 SA/NSA/Sub6
	<b>Speed</b>	HSPA, LTE (CA), 5G
<b>BODY</b>	<b>Dimensions</b>	254.3 x 165.8 x 5.9 mm (10.01 x 6.53 x 0.23 in)
	<b>Weight</b>	498 g (1.10 lb)
	<b>Build</b>	Glass front, aluminum frame, aluminum back
	<b>SIM</b>	Nano-SIM, eSIM
<b>DISPLAY</b>	<b>Type</b>	Dynamic AMOLED 2X, 120Hz, HDR10+
	<b>Size</b>	11.0 inches, 350.9 cm <sup>2</sup> (~83.2% screen-to-body ratio)
	<b>Resolution</b>	1600 x 2560 pixels, 16:10 ratio (~274 ppi density)
<b>PLATFORM</b>	<b>OS</b>	Android 13, up to 4 major Android upgrades, One UI 6
	<b>Chipset</b>	Qualcomm SM8550-AC Snapdragon 8 Gen 2 (4 nm)
	<b>CPU</b>	Octa-core (1x3.36 GHz Cortex-X3 & 2x2.8 GHz Cortex-A715 & 2x2.8 GHz Cortex-A710 & 3x2.0 GHz Cortex-A510)
	<b>GPU</b>	Adreno 740
<b>MEMORY</b>	<b>Card slot</b>	microSDXC (dedicated slot)
	<b>Internal</b>	256GB 8GB RAM
<b>MAIN CAMERA</b>	<b>Single</b>	13 MP, f/2.0, 26mm (wide), 1/3.4", 1.0µm, AF
	<b>Features</b>	LED flash, HDR, panorama
	<b>Video</b>	4K@30fps, 1080p@30fps
<b>SELFIE CAMERA</b>	<b>Single</b>	12 MP, f/2.4, 120° (ultrawide)
	<b>Video</b>	4K@30fps, 1080p@30fps
<b>SOUND</b>	<b>Loudspeaker</b>	Yes, with stereo speakers (4 speakers)
	<b>3.5mm jack</b>	No
<b>COMMS</b>	<b>WLAN</b>	Wi-Fi 802.11 a/b/g/n/ac/6e, tri-band, Wi-Fi Direct
	<b>Bluetooth</b>	5.3, A2DP, LE
	<b>Positioning</b>	GPS, GLONASS, BDS, GALILEO
	<b>NFC</b>	No
	<b>Radio</b>	No

	<b>USB</b>	USB Type-C 3.2, magnetic connector
<b>FEATURES</b>	<b>Sensors</b>	Fingerprint (under display, optical), accelerometer, gyro, proximity, compass Wireless Samsung DeX
<b>BATTERY</b>	<b>Type</b>	Li-Po 8400 mAh, non-removable
	<b>Charging</b>	45W wired
<b>WARRANTY</b>	<b>Type</b>	1 year's warranty ( <b>12 months</b> )



**UPS TYPE 1**

Specification	Details
<b>Model</b>	Smart-UPS SRT10KXLT
<b>Capacity</b>	10 kVA / 10,000 VA
<b>Output Power</b>	10 kW / 10,000 Watts
<b>Form Factor</b>	Tower and Rack-mountable (3U)
<b>Input Voltage</b>	208/240V AC (Selectable)
<b>Output Voltage</b>	208/240V AC (Selectable)
<b>Frequency</b>	50/60 Hz (auto-sensing)
<b>Waveform Type</b>	Pure Sine Wave
<b>Battery Type</b>	Lead-acid, Maintenance-free
<b>Battery Runtime</b>	Varies based on load and battery configuration
<b>Battery Replacement</b>	Hot-swappable
<b>Input Connections</b>	Hardwired
<b>Output Connections</b>	6 x NEMA L6-30R (outlets)
<b>Communication Ports</b>	USB, Serial, SmartSlot (for optional network management card)
<b>Management Features</b>	LCD display, Network management card support, Environmental monitoring
<b>Dimensions</b>	43.5 x 74.9 x 17.4 cm (17.1 x 29.5 x 6.9 in)
<b>Weight</b>	43.5 kg (95.7 lbs)
<b>Power Supply</b>	100-240V AC Power Supply
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-15°C to 45°C (5°F to 113°F)
<b>MTBF (Mean Time Between Failures)</b>	Approximately 272,000 hours



**UPS TYPE 50**

Specification	Details
<b>Model</b>	Smart-UPS SRT10KXLT
<b>Capacity</b>	10 kVA / 10,000 VA
<b>Output Power</b>	10 kW / 10,000 Watts
<b>Form Factor</b>	Tower and Rack-mountable (3U)
<b>Input Voltage</b>	208/240V AC (Selectable)
<b>Output Voltage</b>	208/240V AC (Selectable)
<b>Frequency</b>	50/60 Hz (auto-sensing)
<b>Waveform Type</b>	Pure Sine Wave
<b>Battery Type</b>	Lead-acid, Maintenance-free
<b>Battery Runtime</b>	Varies based on load and battery configuration
<b>Battery Replacement</b>	Hot-swappable
<b>Input Connections</b>	Hardwired
<b>Output Connections</b>	6 x NEMA L6-30R (outlets)
<b>Communication Ports</b>	USB, Serial, SmartSlot (for optional network management card)
<b>Management Features</b>	LCD display, Network management card support, Environmental monitoring
<b>Dimensions</b>	43.5 x 74.9 x 17.4 cm (17.1 x 29.5 x 6.9 in)
<b>Weight</b>	43.5 kg (95.7 lbs)
<b>Power Supply</b>	100-240V AC Power Supply
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-15°C to 45°C (5°F to 113°F)
<b>MTBF (Mean Time Between Failures)</b>	Approximately 272,000 hours



UPS TYPE 3

Specification	Details
Model	Smart-UPS SMT2200RM2U
Capacity	2 kVA / 2,000 VA
Output Power	1.8 kW / 1,800 Watts
Form Factor	Rack-mountable (2U)
Input Voltage	208/240V AC (Selectable)
Output Voltage	208/240V AC (Selectable)
Frequency	50/60 Hz (auto-sensing)
Waveform Type	Pure Sine Wave
Battery Type	Lead-acid, Maintenance-free
Battery Runtime	Varies based on load and battery configuration
Battery Replacement	Hot-swappable
Input Connections	(1) Hardwired
Output Connections	(6) NEMA 5-15R (outlets)
Communication Ports	USB, Serial, SmartSlot (for optional network management card)
Management Features	LCD display, Network management card support, Environmental monitoring
Dimensions	43.2 x 53.3 x 8.9 cm (17 x 21 x 3.5 in)
Weight	13.5 kg (29.8 lbs)
Power Supply	100-240V AC Power Supply
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-15°C to 45°C (5°F to 113°F)
MTBF (Mean Time Between Failures)	Approximately 272,000 hours



**UPS TYPE 4**

Specification	Details
<b>Model</b>	Back-UPS BE700G
<b>Capacity</b>	700 VA / 700 VA
<b>Output Power</b>	390 Watts
<b>Form Factor</b>	Tower
<b>Input Voltage</b>	120V AC
<b>Output Voltage</b>	120V AC
<b>Frequency</b>	50/60 Hz (auto-sensing)
<b>Waveform Type</b>	Stepped Sine Wave
<b>Battery Type</b>	Lead-acid, Maintenance-free
<b>Battery Runtime</b>	Varies based on load
<b>Battery Replacement</b>	User-replaceable
<b>Input Connections</b>	(1) NEMA 5-15P (plug)
<b>Output Connections</b>	(8) NEMA 5-15R (outlets)
<b>Communication Ports</b>	None (basic model without advanced management)
<b>Management Features</b>	LED indicators for power status and battery condition
<b>Dimensions</b>	33.8 x 12.7 x 15.5 cm (13.3 x 5 x 6.1 in)
<b>Weight</b>	4.7 kg (10.4 lbs)
<b>Power Supply</b>	120V AC Power Supply
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-15°C to 45°C (5°F to 113°F)





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**PROJECTOR TYPE 1**

Feature	Specifications
Display Technology	TriChroma Laser Technology
Resolution	4K UHD (3840 x 2160)
Brightness	Up to 3,000 ANSI lumens
Contrast Ratio	Dynamic, up to 1,000,000:1
Screen Size	100 inches (optimized for large screen sizes)
Color	Covers up to 107% of BT.2020 color space
HDR Support	HDR10, HLG
Connectivity	HDMI, USB, Ethernet, Wi-Fi, Bluetooth
Audio	Built-in Dolby Atmos sound system
Smart Features	Android TV, built-in apps like Netflix, YouTube
Throw Ratio	Short-throw (projects large images from a short distance)
Keystone Correction	8-point keystone correction
Lamp Life	Up to 25,000 hours



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**PROJECTOR TYPE 2**

Feature	Specifications
<b>Display Technology</b>	3LCD
<b>Resolution</b>	WXGA (1280 x 800)
<b>Brightness</b>	4,200 lumens (Color and White Brightness)
<b>Contrast Ratio</b>	Up to 16,000:1
<b>Lamp Life</b>	Up to 12,000 hours (ECO Mode), 6,000 hours (Normal Mode)
<b>Throw Ratio</b>	1.38 – 2.24
<b>Keystone Correction</b>	Vertical and Horizontal Keystone Adjustment
<b>Connectivity</b>	HDMI, VGA, USB, Ethernet, RS-232, Audio In/Out
<b>Built-in Speaker</b>	Yes, 16W speaker
<b>Wireless Connectivity</b>	Optional, via wireless module (sold separately)
<b>Compatibility</b>	PC, Mac, Chromebooks, Blu-ray/DVD players, streaming devices
<b>Weight</b>	6.17 lbs (2.8 kg)



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**TELEVISION TYPE 1**

SPECIFICATION	DETAILS
<b>MODEL</b>	55-inch Full HD Smart Android TV
<b>DISPLAY SIZE</b>	55 inches
<b>RESOLUTION</b>	1920 x 1080 pixels (Full HD)
<b>DISPLAY TECHNOLOGY</b>	LED
<b>REFRESH RATE</b>	60 Hz
<b>ASPECT RATIO</b>	16:9
<b>SMART TV</b>	Yes, with Android TV
<b>OPERATING SYSTEM</b>	Android TV OS
<b>ANDROID VERSION</b>	Android 11
<b>PROCESSOR</b>	Quad-core processor
<b>RAM</b>	2.5 GB
<b>INTERNAL STORAGE</b>	16 GB
<b>CONNECTIVITY</b>	Wi-Fi, Ethernet
<b>HDMI PORTS</b>	3 HDMI inputs
<b>USB PORTS</b>	2 USB inputs
<b>AUDIO</b>	2 x 12W speakers, Dolby Audio support
<b>BLUETOOTH</b>	Yes, Bluetooth 5.0
<b>SCREEN MIRRORING</b>	Chromecast built-in
<b>VOICE CONTROL</b>	Google Assistant enabled
<b>POWER CONSUMPTION</b>	120W
<b>REMOTE CONTROL</b>	Smart remote with voice control
<b>DIMENSIONS (W X H X D)</b>	Approximately 124 x 78 x 25 cm (with stand)
<b>WEIGHT</b>	Approximately 12 kg
<b>MOUNT TYPE</b>	Wall mount or stand included
<b>WARRANTY</b>	1 year



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TELEVISION TYPE 2

<b>Model</b>	43-inch Full HD Smart Android TV
<b>Display Size</b>	43 inches
<b>Resolution</b>	1920 x 1080 pixels (Full HD)
<b>Display Technology</b>	LED
<b>Refresh Rate</b>	60 Hz
<b>Aspect Ratio</b>	16:9
<b>Smart TV</b>	Yes, with Android TV
<b>Operating System</b>	Android TV OS
<b>Android Version</b>	Android 11
<b>Processor</b>	Quad-core processor
<b>RAM</b>	2 GB
<b>Internal Storage</b>	16 GB
<b>Connectivity</b>	Wi-Fi, Ethernet
<b>HDMI Ports</b>	3 HDMI inputs
<b>USB Ports</b>	2 USB inputs
<b>Audio</b>	2 x 10W speakers, Dolby Audio support
<b>Bluetooth</b>	Yes, Bluetooth 5.0
<b>Screen Mirroring</b>	Chromecast built-in
<b>Voice Control</b>	Google Assistant enabled
<b>Power Consumption</b>	75W
<b>Remote Control</b>	Smart remote with voice control
<b>Dimensions (W x H x D)</b>	Approximately 96 x 61 x 22 cm (with stand)
<b>Weight</b>	Approximately 7 kg
<b>Mount Type</b>	Wall mount or stand included
<b>Warranty</b>	1 year



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TELEVISION TYPE 3

SPECIFICATION	DETAILS
Model	32-inch HD Smart Android TV
Display size	32 inches
Resolution	1366 x 768 pixels (HD)
Display technology	LED
Refresh rate	60 Hz
Aspect ratio	16:9
Smart tv	Yes, with Android TV
Operating system	Android TV OS
Android version	Android 11
Processor	Quad-core processor
Ram	1.5 GB
Internal storage	8 GB
Connectivity	Wi-Fi, Ethernet
Hdmi ports	2 HDMI inputs
Usb ports	1 USB input
Audio	2 x 8W speakers, Dolby Audio support
Bluetooth	Yes, Bluetooth 5.0
Screen mirroring	Chromecast built-in
Voice control	Google Assistant enabled
Power consumption	50W
Remote control	Smart remote with voice control
Dimensions (w x h x d)	Approximately 73 x 48 x 18 cm (with stand)
Weight	Approximately 4 kg
Mount type	Wall mount or stand included
Warranty	1 year



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**IP Phone TYPE1**

Specification	Details
<b>Model</b>	SIP-T26P
<b>Display</b>	132x64-pixel graphical LCD with backlight
<b>Audio Features</b>	- HD Voice: G.722 wideband codec for superior voice clarity - Full-duplex speakerphone with AEC (Acoustic Echo Cancellation) - Adaptive jitter buffer, packet loss concealment
<b>VoIP Protocols</b>	SIP v1 (RFC2543), SIP v2 (RFC3261)
<b>Network &amp; Connectivity</b>	- Dual 10/100 Mbps Ethernet ports (LAN and PC) with PoE - Static IP/DHCP, NAT traversal (STUN mode) - Integrated IEEE 802.3af Power over Ethernet (PoE) support
<b>Call Handling Features</b>	- Call hold, mute, DND (Do Not Disturb), call forwarding, call transfer - 3-way conferencing - Redial, auto-answer, speed dial, call park/pickup
<b>Line Keys &amp; Buttons</b>	- 10 programmable soft keys - 4 context-sensitive "soft" keys - 4 dedicated navigation keys, 2 volume control keys - Dedicated keys for voicemail, hold, transfer, headset, redial
<b>Expansion Module Support</b>	Compatible with Yealink EXP39 Expansion Module (up to 2 modules)
<b>Directory &amp; Phonebook</b>	- Local phonebook (up to 1000 entries) - XML/LDAP remote phonebook, intelligent search, call logs(inbound/outbound/missed)
<b>Security &amp; Encryption</b>	- HTTPS, SRTP (Secure Real-time Transport Protocol) - TLS (Transport Layer Security), 802.1x authentication, OpenVPN
<b>Provisioning &amp; Management</b>	- Auto-provisioning via TFTP/FTP/HTTP/HTTPS - PnP (Plug and Play) configuration, TR-069 remote management
<b>Voice Codecs</b>	G.711 (A-law/ $\mu$ -law), G.722 (HD Voice), G.723, G.726, G.729AB, iLBC
<b>Power supply</b>	PoE (Power over Ethernet) or external power adapter (5V/1.2A)
<b>HeadsetCompatibility</b>	- RJ9 headset port - EHS (Electronic Hook Switch) support for wireless headsets (Plantronics, Jabra, etc.)
<b>OperatingConditions</b>	- Operating temperature: 0°C to 40°C (32°F to 104°F) - Humidity: 10% to 90% non-condensing
<b>Dimensions</b>	273mm x 204mm x 42mm
<b>Weight</b>	1.05 kg (with stand)

<b>Certifications</b>	CE, FCC, RoHS compliant
<b>QoS Support</b>	Layer 2 (802.1Q VLAN), Layer 3 (ToS, DSCP)
<b>Dial Plan</b>	Customizable dial plans and call routing
<b>Web Interface</b>	Built-in web server for easy configuration via browser
<b>BLF (Busy Lamp Field)</b>	Support for BLF keys to monitor the status of other extensions
<b>Voice Mail Integration</b>	Visual voicemail support with notification and management from the device



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**IP PHONE TYPE 2**

Specification	Details
<b>Model</b>	SIP-T25P
<b>Display</b>	132x64-pixel graphical LCD with backlight
<b>Audio Features</b>	<ul style="list-style-type: none"> <li>- HD Voice: G.722 wideband codec for enhanced voice clarity</li> <li>- Full-duplex speakerphone with Acoustic Echo Cancellation (AEC)</li> <li>- Voice Activity Detection (VAD), Comfort Noise Generation (CNG)</li> <li>- Adaptive jitter buffer, packet loss concealment</li> </ul>
<b>VoIP Protocols</b>	SIP v1 (RFC2543), SIP v2 (RFC3261)
<b>Network &amp; Connectivity</b>	<ul style="list-style-type: none"> <li>- Dual 10/100 Mbps Ethernet ports (LAN and PC)</li> <li>- Static IP/DHCP, NAT traversal (STUN mode)</li> <li>- Integrated Power over Ethernet (PoE) support (IEEE 802.3af)</li> </ul>
<b>Call Handling Features</b>	<ul style="list-style-type: none"> <li>- Call hold, mute, DND (Do Not Disturb), call forwarding (unconditional, busy, no answer)</li> <li>- Call transfer (attended and blind), 3-way conferencing</li> <li>- Redial, call park/pickup, speed dial, voicemail</li> </ul>
<b>Line Keys &amp; Buttons</b>	<ul style="list-style-type: none"> <li>- 2 SIP accounts</li> <li>- 2 line keys with dual-color (busy/idle) LED</li> <li>- 4 context-sensitive soft keys, 4 dedicated navigation keys</li> <li>- Dedicated keys for voicemail, hold, transfer, mute, headset, and redial</li> </ul>
<b>Expansion Module Support</b>	N/A
<b>Directory &amp; Phonebook</b>	<ul style="list-style-type: none"> <li>- Local phonebook (up to 300 entries)</li> <li>- XML/LDAP remote phonebook, intelligent search, call logs (inbound/outbound/missed)</li> </ul>
<b>Security &amp; Encryption</b>	<ul style="list-style-type: none"> <li>- HTTPS, SRTP (Secure Real-time Transport Protocol)</li> <li>- TLS (Transport Layer Security) encryption, 802.1x authentication</li> </ul>
<b>Provisioning &amp; Management</b>	<ul style="list-style-type: none"> <li>- Auto-provisioning via TFTP/FTP/HTTP/HTTPS</li> <li>- PnP (Plug and Play) configuration, TR-069 remote management</li> </ul>
<b>Voice Codecs</b>	G.711 (A-law/ $\mu$ -law), G.722 (HD Voice), G.723, G.726, G.729AB, iLBC
<b>Power Supply</b>	PoE (Power over Ethernet) or optional external power adapter (5V/1.2A)
<b>Headset Compatibility</b>	- RJ9 headset port



	- No EHS (Electronic Hook Switch) support for wireless headsets
<b>Operating Conditions</b>	- Operating temperature: 0°C to 40°C (32°F to 104°F)
	- Humidity: 10% to 90% non-condensing
<b>Dimensions</b>	209mm x 188mm x 150mm
<b>Weight</b>	1.10 kg (with stand)
<b>Certifications</b>	CE, FCC, RoHS compliant
<b>QoS Support</b>	Layer 2 (802.1Q VLAN), Layer 3 (ToS, DSCP)
<b>Web Interface</b>	Built-in web server for easy configuration via browser
<b>BLF (Busy Lamp Field)</b>	Not supported
<b>Voice Mail Integration</b>	Visual voicemail support with notification and management from the device



**IP PHONE TYPE 3**

Specification	Details
<b>Model</b>	SIP-T24P
<b>Display</b>	132x64-pixel graphical LCD with backlight
<b>Audio Features</b>	- HD Voice: G.722 wideband codec for enhanced voice clarity
	- Full-duplex speakerphone with Acoustic Echo Cancellation (AEC)
	- Voice Activity Detection (VAD), Comfort Noise Generation (CNG)
	- Adaptive jitter buffer, packet loss concealment
<b>VoIP Protocols</b>	SIP v1 (RFC2543), SIP v2 (RFC3261)
<b>Network &amp; Connectivity</b>	- Dual 10/100 Mbps Ethernet ports (LAN and PC)
	- Static IP/DHCP, NAT traversal (STUN mode)
	- Integrated Power over Ethernet (PoE) support (IEEE 802.3af)
<b>Call Handling Features</b>	- Call hold, mute, DND (Do Not Disturb), call forwarding (unconditional, busy, no answer)
	- Call transfer (attended and blind), 3-way conferencing
	- Redial, call park/pickup, speed dial, voicemail
<b>Line Keys &amp; Buttons</b>	- 2 SIP accounts
	- 2 line keys with dual-color (busy/idle) LED
	- 4 context-sensitive soft keys, 4 dedicated navigation keys
	- Dedicated keys for voicemail, hold, transfer, mute, headset, and redial
<b>Expansion Module Support</b>	N/A
<b>Directory &amp; Phonebook</b>	- Local phonebook (up to 300 entries)
	- XML/LDAP remote phonebook, intelligent search, call logs (inbound/outbound/missed)
<b>Security &amp; Encryption</b>	- HTTPS, SRTP (Secure Real-time Transport Protocol)
	- TLS (Transport Layer Security) encryption, 802.1x authentication
<b>Provisioning &amp; Management</b>	- Auto-provisioning via TFTP/FTP/HTTP/HTTPS
	- PnP (Plug and Play) configuration, TR-069 remote management
<b>Voice Codecs</b>	G.711 (A-law/ $\mu$ -law), G.722 (HD Voice), G.723, G.726, G.729AB, iLBC
<b>Power Supply</b>	PoE (Power over Ethernet) or optional external power adapter (5V/1.2A)

<b>Headset Compatibility</b>	- RJ9 headset port
	- No EHS (Electronic Hook Switch) support for wireless headsets
<b>Operating Conditions</b>	- Operating temperature: 0°C to 40°C (32°F to 104°F)
	- Humidity: 10% to 90% non-condensing
<b>Dimensions</b>	209mm x 188mm x 150mm
<b>Weight</b>	1.10 kg (with stand)
<b>Certifications</b>	CE, FCC, RoHS compliant
<b>QoS Support</b>	Layer 2 (802.1Q VLAN), Layer 3 (ToS, DSCP)
<b>Web Interface</b>	Built-in web server for easy configuration via browser
<b>BLF (Busy Lamp Field)</b>	Not supported
<b>Voice Mail Integration</b>	Visual voicemail support with notification and management from the device



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**IP PHONE TYPE 4**

Specification	Details
Model	SIP-T23P
Display	132x64-pixel graphical LCD with backlight
Audio Features	<ul style="list-style-type: none"> <li>- HD Voice: G.722 wideband codec for crystal-clear sound quality</li> <li>- Full-duplex speakerphone with Acoustic Echo Cancellation (AEC)</li> <li>- Voice Activity Detection (VAD), Comfort Noise Generation (CNG)</li> <li>- Adaptive jitter buffer, packet loss concealment</li> </ul>
VoIP Protocols	SIP v1 (RFC2543), SIP v2 (RFC3261)
Network & Connectivity	<ul style="list-style-type: none"> <li>- Dual 10/100 Mbps Ethernet ports (LAN and PC)</li> <li>- Static IP/DHCP, NAT traversal (STUN mode)</li> <li>- Integrated Power over Ethernet (PoE) support (IEEE 802.3af)</li> </ul>
Call Handling Features	<ul style="list-style-type: none"> <li>- Call hold, mute, DND (Do Not Disturb)</li> <li>- Call forwarding (unconditional, busy, no answer)</li> <li>- Call transfer (attended and blind), 3-way conferencing</li> <li>- Redial, auto-answer, speed dial, voicemail</li> </ul>
Line Keys & Buttons	<ul style="list-style-type: none"> <li>- 3 SIP accounts</li> <li>- 3 line keys with dual-color (busy/idle) LED</li> <li>- 4 context-sensitive soft keys</li> <li>- Dedicated keys for voicemail, hold, transfer, headset, redial</li> </ul>
Expansion Module Support	N/A
Directory & Phonebook	<ul style="list-style-type: none"> <li>- Local phonebook (up to 1000 entries)</li> <li>- XML/LDAP remote phonebook, intelligent search, call logs (inbound/outbound/missed)</li> </ul>
Security & Encryption	<ul style="list-style-type: none"> <li>- HTTPS, SRTP (Secure Real-time Transport Protocol)</li> <li>- TLS (Transport Layer Security) encryption, 802.1x authentication</li> </ul>
Provisioning & Management	<ul style="list-style-type: none"> <li>- Auto-provisioning via TFTP/FTP/HTTP/HTTPS</li> <li>- PnP (Plug and Play) configuration, TR-069 remote management</li> </ul>
Voice Codecs	G.711 (A-law/ $\mu$ -law), G.722 (HD Voice), G.723, G.726, G.729AB, iLBC
Power Supply	PoE (Power over Ethernet) or optional external power adapter (5V/1.2A)
Headset Compatibility	<ul style="list-style-type: none"> <li>- RJ9 headset port</li> <li>- EHS (Electronic Hook Switch) support for wireless headsets (Plantronics, Jabra, etc.)</li> </ul>
Operating Conditions	<ul style="list-style-type: none"> <li>- Operating temperature: 0°C to 40°C (32°F to 104°F)</li> </ul>

	- Humidity: 10% to 90% non-condensing
<b>Dimensions</b>	185mm x 188mm x 150mm
<b>Weight</b>	0.93 kg (with stand)
<b>Certifications</b>	CE, FCC, RoHS compliant
<b>QoS Support</b>	Layer 2 (802.1Q VLAN), Layer 3 (ToS, DSCP)
<b>Web Interface</b>	Built-in web server for easy configuration via browser
<b>BLF (Busy Lamp Field)</b>	Supported
<b>Voice Mail Integration</b>	Visual voicemail support with notification and management from the device



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**IP PHONE TYPE 5**

Specification	Details
<b>Model</b>	SIP-T22P
<b>Display</b>	132x64-pixel graphical LCD with backlight
<b>Audio Features</b>	<ul style="list-style-type: none"> <li>- HD Voice: G.722 wideband codec for superior voice clarity</li> <li>- Full-duplex speakerphone with Acoustic Echo Cancellation (AEC)</li> <li>- Voice Activity Detection (VAD), Comfort Noise Generation (CNG)</li> <li>- Adaptive jitter buffer, packet loss concealment</li> </ul>
<b>VoIP Protocols</b>	SIP v1 (RFC2543), SIP v2 (RFC3261)
<b>Network &amp; Connectivity</b>	<ul style="list-style-type: none"> <li>- Dual 10/100 Mbps Ethernet ports (LAN and PC)</li> <li>- Static IP/DHCP, NAT traversal (STUN mode)</li> <li>- Integrated Power over Ethernet (PoE) support (IEEE 802.3af)</li> </ul>
<b>Call Handling Features</b>	<ul style="list-style-type: none"> <li>- Call hold, mute, DND (Do Not Disturb)</li> <li>- Call forwarding (unconditional, busy, no answer)</li> <li>- Call transfer (attended and blind), 3-way conferencing</li> <li>- Redial, auto-answer, speed dial, voicemail</li> </ul>
<b>Line Keys &amp; Buttons</b>	<ul style="list-style-type: none"> <li>- 3 SIP accounts</li> <li>- 3 line keys with dual-color (busy/idle) LED</li> <li>- 4 context-sensitive soft keys</li> <li>- Dedicated keys for voicemail, hold, transfer, headset, redial</li> </ul>
<b>Expansion Module Support</b>	N/A
<b>Directory &amp; Phonebook</b>	<ul style="list-style-type: none"> <li>- Local phonebook (up to 300 entries)</li> <li>- XML/LDAP remote phonebook, intelligent search, call logs (inbound/outbound/missed)</li> </ul>
<b>Security &amp; Encryption</b>	<ul style="list-style-type: none"> <li>- HTTPS, SRTP (Secure Real-time Transport Protocol)</li> <li>- TLS (Transport Layer Security) encryption, 802.1x authentication</li> </ul>
<b>Provisioning &amp; Management</b>	<ul style="list-style-type: none"> <li>- Auto-provisioning via TFTP/FTP/HTTP/HTTPS</li> <li>- PnP (Plug and Play) configuration, TR-069 remote management</li> </ul>
<b>Voice Codecs</b>	G.711 (A-law/ $\mu$ -law), G.722 (HD Voice), G.723, G.726, G.729AB, iLBC
<b>Power Supply</b>	PoE (Power over Ethernet) or optional external power adapter (5V/1.2A)
<b>Headset Compatibility</b>	<ul style="list-style-type: none"> <li>- RJ9 headset port</li> <li>- EHS (Electronic Hook Switch) support for wireless headsets (Plantronics, Jabra, etc.)</li> </ul>

<b>Operating Conditions</b>	- Operating temperature: 0°C to 40°C (32°F to 104°F)
	- Humidity: 10% to 90% non-condensing
<b>Dimensions</b>	209mm x 188mm x 150mm
<b>Weight</b>	0.77 kg (with stand)
<b>Certifications</b>	CE, FCC, RoHS compliant
<b>QoS Support</b>	Layer 2 (802.1Q VLAN), Layer 3 (ToS, DSCP)
<b>Web Interface</b>	Built-in web server for easy configuration via browser
<b>BLF (Busy Lamp Field)</b>	Supported
<b>Voice Mail Integration</b>	Visual voicemail support with notification and management from the device



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**IP PHONE TYPE 6**

Specification	Details
<b>Model</b>	SIP-T21P
<b>Display</b>	132x64-pixel graphical LCD with backlight
<b>Audio Features</b>	- HD Voice: G.722 wideband codec for superior audio clarity
	- Full-duplex speakerphone with Acoustic Echo Cancellation(AEC)
	- Voice Activity Detection (VAD), Comfort Noise Generation(CNG)
	- Adaptive jitter buffer, packet loss concealment
<b>VoIP Protocols</b>	SIP v1 (RFC2543), SIP v2 (RFC3261)
<b>Network &amp; Connectivity</b>	- Dual 10/100 Mbps Ethernet ports (LAN and PC)
	- Static IP/DHCP, NAT traversal (STUN mode)
	- Integrated Power over Ethernet (PoE) support (IEEE 802.3af)
<b>Call Handling Features</b>	- Call hold, mute, DND (Do Not Disturb)
	- Call forwarding (unconditional, busy, no answer)
	- Call transfer (attended and blind), 3-way conferencing
	- Redial, auto-answer, speed dial, voicemail
<b>Line Keys &amp; Buttons</b>	- 2 SIP accounts
	- 2 line keys with dual-color (busy/idle) LED
	- 4 context-sensitive soft keys
	- Dedicated keys for voicemail, hold, transfer, headset, redial
<b>Expansion Module Support</b>	N/A
<b>Directory &amp; Phonebook</b>	- Local phonebook (up to 300 entries)
	- XML/LDAP remote phonebook, intelligent search, call logs(inbound/outbound/missed)
<b>Security &amp; Encryption</b>	- HTTPS, SRTP (Secure Real-time Transport Protocol)
	- TLS (Transport Layer Security) encryption, 802.1x authentication



<b>Provisioning &amp; Management</b>	- Auto-provisioning via TFTP/FTP/HTTP/HTTPS
	- PnP (Plug and Play) configuration, TR-069 remote management
<b>Voice Codecs</b>	G.711 (A-law/ $\mu$ -law), G.722 (HD Voice), G.723, G.726, G.729AB, iLBC
<b>Power Supply</b>	PoE (Power over Ethernet) or optional external power adapter (5V/1.2A)
<b>Headset Compatibility</b>	- RJ9 headset port
<b>Operating Conditions</b>	- Operating temperature: 0°C to 40°C (32°F to 104°F)
	- Humidity: 10% to 90% non-condensing
<b>Dimensions</b>	209mm x 188mm x 150mm
<b>Weight</b>	0.81 kg (with stand)
<b>Certifications</b>	CE, FCC, RoHS compliant
<b>QoS Support</b>	Layer 2 (802.1Q VLAN), Layer 3 (ToS, DSCP)
<b>Web Interface</b>	Built-in web server for easy configuration via browser
<b>BLF (Busy Lamp Field)</b>	Supported
<b>Voice Mail Integration</b>	Visual voicemail support with notification and management from the device



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**SCANNER TYPE 1**

Feature	SPECIFICATION
Scanning Speed	Up to 60 pages per minute (ppm)
Resolution	Up to 600 x 600 dpi
Color Depth	24-bit color depth
Document Size	Up to A4 (8.5 x 11.7 inches)
Automatic Document Feeder	Yes, 80-sheet capacity
Interface	USB 3.0, Network (Ethernet)
Compatibility	Windows, macOS
Software Included	HP Smart Document Scan Software, TWAIN, and ISIS drivers
Daily Duty Cycle	Up to 4,000 pages
Connectivity	USB 3.0, Network (Ethernet)



**SCANNER TYPE 2**

Feature	Specifications
<b>Scanning Speed</b>	Up to 40 pages per minute (ppm)
<b>Resolution</b>	Up to 600 x 600 dpi
<b>Color Depth</b>	24-bit color depth
<b>Document Size</b>	Up to A4 (8.5 x 11.7 inches)
<b>Automatic Document Feeder</b>	Yes, 50-sheet capacity
<b>Interface</b>	USB 3.0
<b>Compatibility</b>	Windows, macOS
<b>Software Included</b>	HP Scan Software, TWAIN, and ISIS drivers
<b>Daily Duty Cycle</b>	Up to 3,000 pages
<b>Connectivity</b>	USB 3.0



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**SCANNER TYPE 3**

Feature	Specifications
Scanning Speed	Up to 30 ppm (duplex)
Resolution	Up to 1200 x 1200 dpi
Color Depth	24-bit color depth
Document Size	Up to A4 (8.5 x 11.7 inches)
Automatic Document Feeder	Yes, 50-sheet capacity
Interface	USB 3.0, Network (Ethernet)
Compatibility	Windows, macOS
Software Included	HP Scan Software, TWAIN, and ISIS drivers
Daily Duty Cycle	Up to 1,500 pages
Connectivity	USB 3.0, Network (Ethernet)



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Kenya

**Camera Drone**

<b>Aircraft</b>	<b>Specs</b>
<b>Take-off Weight</b>	958 g
<b>Dimensions</b>	Folded (without propellers): 231.1×98×95.4 mm (L×W×H) Unfolded (without propellers): 347.5×290.8×107.7 mm (L×W×H)
<b>Max Ascent Speed</b>	8 m/s
<b>Max Descent Speed</b>	6 m/s
<b>Max Horizontal Speed (at sea level, no wind)</b>	21 m/s
<b>Max Takeoff Altitude</b>	6000 m
<b>Max Flight Time</b>	43 minutes
<b>Max Hovering time</b>	37 minutes
<b>Max flight distance</b>	28km
<b>Max wind resistance</b>	12m/s
<b>Max pitch angle</b>	35°
<b>Operating temperature</b>	-10° to 40° C (14° to 104° F)
<b>Global Navigation satellite system</b>	GPS + Galileo + BeiDou
<b>Hovering Accuracy range</b>	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning)  Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with high-precision positioning system)
<b>Internal Storage</b>	1TB
<b>Camera</b>	<b>Specs</b>
<b>Image sensor</b>	Hasselblad Camera: 4/3 CMOS, Effective Pixels: 20 MP Medium Tele Camera: 1/1.3" CMOS, Effective Pixels: 48 MP Tele Camera: 1/2" CMOS, Effective Pixels: 12 MP
<b>Lens</b>	Hasselblad Camera FOV: 84° Format Equivalent: 24mm Aperture: f/2.8-f/11 Focus: 1 m to ∞  Medium Tele Camera FOV: 35° Format Equivalent: 70mm Aperture: f/2.8 Focus: 3 m to ∞  Tele Camera FOV: 15° Format Equivalent: 166mm Aperture: f/3.4 Focus: 3 m to ∞
<b>ISO Range</b>	Video Normal and Slow Motion: 100-6400 (Normal) 400-1600 (D-Log) 100-1600 (D-Log M) 100-1600 (HLG)

	<p>Night: 800-12800 (Normal)</p> <p>Photo 100-6400</p>
<b>Shutter speed</b>	<p>Hasselblad Camera: 5280×3956 Medium Tele Camera: 8064×6048 Tele Camera: 4000×3000</p>
<b>Max image size</b>	<p>Hasselblad Camera: 5280×3956 Medium Tele Camera: 8064×6048 Tele Camera: 4000×3000</p>
<b>Still Photography Modes</b>	<p>Hasselblad Camera Single Shot: 20 MP Burst Shooting: 20 MP, 3/5/7 frames Automatic Exposure Bracketing (AEB): 20 MP, 3/5 frames at 0.7 EV step Timed: 20 MP, 2/3/5/7/10/15/20/30/60 s</p> <p>Medium Tele Camera Single Shot: 12 MP or 48 MP Burst Shooting: 12 MP or 48 MP, 3/5/7 frames Automatic Exposure Bracketing (AEB): 12 MP or 48 MP, 3/5 frames at 0.7 EV step Timed: 12 MP: 2/3/5/7/10/15/20/30/60 s 48 MP: 7/10/15/20/30/60 s</p> <p>Tele Camera Single Shot: 12 MP Burst Shooting: 12 MP, 3/5/7 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5 frames at 0.7 EV step Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s</p>
<b>Photo format</b>	JPEG/ NDG(RAW)
<b>Video Resolution</b>	<p>Hasselblad Camera Apple ProRes 422 HQ/422/422 LT 5.1K: 5120×2700@24/25/30/48/50fps DCI 4K: 4096×2160@24/25/30/48/50/60/120*fps 4K: 3840×2160@24/25/30/48/50/60/120*fps</p> <p>H.264/H.265 5.1K: 5120×2700@24/25/30/48/50fps DCI 4K: 4096×2160@24/25/30/48/50/60/120*fps 4K: 3840×2160@24/25/30/48/50/60/120*fps FHD: 1920×1080@24/25/30/48/50/60/120*/200*fps * Recording frame rates. The corresponding video plays as slow-motion video.</p> <p>Medium Tele Camera Apple ProRes 422 HQ/422/422 LT 4K: 3840×2160@24/25/30/48/50/60fps</p> <p>H.264/H.265 4K: 3840×2160@24/25/30/48/50/60fps FHD: 1920×1080@24/25/30/48/50/60fps</p> <p>Tele Camera Apple ProRes 422 HQ/422/422 LT 4K: 3840×2160@24/25/30/48/50/60fps</p> <p>H.264/H.265 4K: 3840×2160@24/25/30/50/60fps FHD: 1920×1080@24/25/30/50/60fps</p>
<b>Video Format</b>	MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265) MOV
<b>Max video Bitrate</b>	Hasselblad Camera:

	<p>H.264/H.265: 200 Mbps ProRes 422 HQ: 3772 Mbps ProRes 422: 2514 Mbps ProRes 422 LT: 1750 Mbps</p> <p>Medium Tele Camera: H.264/H.265: 160 Mbps ProRes 422 HQ: 1768 Mbps ProRes 422: 1178 Mbps ProRes 422 LT: 821 Mbps</p> <p>Tele Camera: H.264/H.265: 160 Mbps ProRes 422 HQ: 1768 Mbps ProRes 422: 1178 Mbps ProRes 422 LT: 821 Mbps</p>
<b>Supported file format</b>	exFAT
<b>Color mode and sampling Method</b>	<p>Hasselblad Camera Normal: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 8-bit 4:2:0 (H.264/H.265) D-Log: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 10-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 10-bit 4:2:0 (H.265)</p> <p>Medium Tele Camera Normal: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 10-bit 4:2:0 (H.265)</p> <p>Tele Camera Normal: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT) 10-bit 4:2:0 (H.265)</p>
<b>Digital Zoom (only in Normal Video Mode and Explore Mode)</b>	<p>Hasselblad Camera: 1-3x Medium Tele Camera: 3-7x Tele Camera: 7-28x</p>
<b>Gimbal</b>	<b>Specs</b>
<b>Stabilization</b>	3-axis mechanical gimbal (tilt, roll, pan)
<b>Mechanical range</b>	<p>Tilt: -140° to 50° Roll: -50° to 50° Pan: -23° to 23°</p>
<b>Controllable range</b>	<p>Tilt: -90° to 35° Pan: -5° to 5°</p>
<b>Max Control Speed (tilt)</b>	100°/s
<b>Angular Vibration Range</b>	<p>Hovering Without Wind: ±0.001° Normal Mode: ±0.003° Sport Mode: ±0.005°</p>
<b>Sensing</b>	<b>Specs</b>
<b>Sensing type</b>	Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the aircraft
<b>Forward</b>	<p>Measurement Range: 0.5-20 m Detection Range:</p>

	0.5-200 m Effective Sensing Speed: Flight Speed $\leq$ 15 m/s FOV: Horizontal 90°, Vertical 103°
<b>Backward</b>	Measurement Range: 0.5-16 m Effective Sensing Speed: Flight Speed $\leq$ 12 m/s FOV: Horizontal 90°, Vertical 103°
<b>Upward</b>	Measurement Range: 0.2-10 m Effective Sensing Speed: Flight Speed $\leq$ 6 m/s FOV: Front and Back 100°, Left and Right 90°
<b>Lateral</b>	Measurement Range: 0.5-25 m Effective Sensing Speed: Flight Speed $\leq$ 15 m/s FOV: Horizontal 90°, Vertical 85°
<b>Downward</b>	Measurement Range: 0.3-18 m Effective Sensing Speed: Flight Speed $\leq$ 6 m/s FOV: Front and Back 130°, Left and Right 160°
<b>Operating environment</b>	Forward, Backward, Left, Right, and Upward: surfaces with discernible patterns and adequate lighting (lux > 15) Downward: surfaces with discernible patterns, diffuse reflectivity > 20% (e.g. walls, trees, people), and adequate lighting (lux > 15)
<b>Video Transmission</b>	<b>Specs</b>
<b>Video Transmission System</b>	<b>O3+</b>
<b>Live view quality</b>	Remote Controller: 1080p/30fps, 1080p/60fps
<b>Operating Frequency</b>	2.400-2.4835 GHz 5.725-5.850 GHz
<b>Transmitter Power (EIRP)</b>	2.4 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC)  5.8 GHz: < 33 dBm (FCC) < 30 dBm (SRRC) < 14 dBm (CE)
<b>Max Transmission Distance (unobstructed, free of interference)</b>	FCC: 15 km CE: 8 km SRRC: 8 km MIC: 8 km
<b>Max Transmission Distance (unobstructed, with interference)</b>	Strong Interference: Urban landscape, approx. 1.5-3 km Medium Interference: Suburban landscape, approx. 3-9 km Low Interference: Suburb/seaside, approx. 9-15 km
<b>Max Transmission Distance (obstructed, with interference)</b>	Low Interference and Obstructed by Buildings: approx. 0-0.5 km Low Interference and Obstructed by Trees: approx. 0.5-3 km
<b>Max Download Speed</b>	O3+: 5.5 MB/s (with DJI RC-N1 Remote Controller)
<b>Lowest latency</b>	130 ms (with DJI RC-N1 Remote Controller)
<b>Antenna</b>	4 antennas, 2T4R
<b>Battery</b>	<b>Specs</b>



<b>Capacity</b>	5000 mAh
<b>Weight</b>	335.5 g
<b>Nominal Voltage</b>	15.4 V
<b>Max Charging Voltage</b>	17.6 V
<b>Type</b>	Li-ion 4S
<b>Energy</b>	77 Wh
<b>Charging Temperature</b>	5° to 40° C (41° to 104° F)
<b>Charging Time</b>	Approx. 96 minutes
<b>Output</b>	DJI 65W Portable Charger: USB-C: 5 V, 5 A 9 V, 5 A 12 V, 5 A 15 V, 4.3 A 20 V, 3.25 A 5-20 V, 3.25 A  USB-A: 5 V, 2 A
<b>Storage</b>	<b>Recommended microSD Cards</b> Lexar 1066x 64GB V30 A2 microSDXC Lexar 1066x 128GB V30 A2 microSDXC Lexar 1066x 256GB V30 A2 microSDXC Lexar 1066x 512GB V30 A2 microSDXC

### Handheld Camera Stabilizer Gimbal

Peripheral	Specs
<b>Accessory port</b>	Ronin Series Accessories (RSA)/NATO Ports 1/4"-20 Mounting Hole Cold Shoe Video Transmission/LiDAR Range Finder Port (USB-C) RSS Camera Control Port (USB-C) Focus Motor Port (USB-C)
<b>Battery</b>	Model: BG30-1950mAh-15.4V Type: LiPo 4S Capacity: 1950 mAh Energy: 30 Wh
<b>Connections</b>	Bluetooth 5.1 Charging Port (USB-C)
<b>Ronin app Requirements</b>	Android 8.0 or above
<b>Language supported by the touch screen</b>	English
<b>Working performance</b>	
<b>Tested payload</b>	4.5 kg (10 lbs)
<b>Maximum controlled speed rotation</b>	Pan: 360°/s Tilt: 360°/s Roll: 360°/s
<b>Mechanical range</b>	Pan Axis: 360° continuous rotation Roll Axis: -95° to +240° Tilt Axis: -112° to +214°
<b>Mechanical &amp; Electrical Properties</b>	
<b>Operating Frequency</b>	2.400-2.4835 GHz
<b>Bluetooth Transmitter Power</b>	< 8 dBm
<b>Operating Temperature</b>	-20° to 45° C (-4° to 113° F)

<b>Weight</b>	Gimbal: Approx. 1242 g (2.74 lbs) Grip: Approx. 265 g (0.58 lbs) Extended Grip/Tripod (Metal): Approx. 226 g (0.49 lbs) Upper and Lower Quick-Release Plates: Approx. 110 g (0.24 lbs)
<b>Dimensions</b>	Folded: 271×283×75 mm (L×W×H, excluding camera, grip, and the Extended Grip/Tripod) Unfolded: 416×223×202 mm (L×W×H, height includes grip and excludes the Extended Grip/Tripod)
<b>Image transmitter</b>	
<b>Connections</b>	Power/Communication Port (USB-C) HDMI Port (Mini HDMI) RSS Camera Control Port (USB-C)
<b>Expansion port</b>	Cold Shoe
<b>Operating frequency</b>	2.400-2.4835 GHz 5.725-5.850 GHz
<b>Weight</b>	126 g (0.27 lbs)
<b>Dimensions</b>	82×63×24 mm (L×W×H)
<b>Transmitter power (EIRD)</b>	2.400-2.4835 GHz: < 25 dBm (FCC) < 20 dBm (CE/SRRC/MIC)  5.725-5.850 GHz: < 25 dBm (FCC/SRRC) < 14 dBm (CE)
<b>Battery</b>	Capacity: 2970 mAh Compatible Charger: 5 V/2 A Charging Time: Approx. 2.5 hours Operating Time: Approx. 3.5 hours
<b>Transmission range</b>	200 m (SRRC/FCC) 100 m (CE)
<b>Latency</b>	60 ms
<b>Operating Current/Voltage</b>	900 mA/3.7 V
<b>Operating Temperature</b>	0° to 45° C (32° to 113° F)

## Teleprompter

<b>General</b>	
Beamsplitter Ratio	70/30
Beamsplitter Shape	Rectangular
Beamsplitter Material	Glass
<b>Monitor</b>	
Size (Diagonal)	21.5" / 54.6 cm
Maximum Brightness	300 cd/m <sup>2</sup>
Resolution	1920 x 1080
Aspect Ratio	4:3
Viewing Angle (H x V)	160 x 170°
Inputs/Outputs	1 x Composite (RCA) Input 1 x VGA Input 1 x SDI (BNC) Input 1 x HDMI Unspecified Version Input
USB Interface	1 x USB Type-A
Self Reversing	Yes
Output Voltage	12 VDC at 5 A
Power Consumption	10 W
<b>Remote</b>	
Wireless Range	32.8' / 10 m
<b>Software</b>	
OS Compatibility	Windows
<b>Other</b>	
Material of Construction	Aluminum
Height Adjustment	1.6" / 40 mm

ITEM	SPECIFICATIONS
<b>Speed light</b>	Full colour; satin; board-base stand; 2M X 0.9M
<b>Dual wireless Lapel microphone</b>	High-grade aluminum frame, lightweight frame only 10 KGs; free padded carry case – bag; hook and loop Velcro hubs made graphic banner; Velcro tension fabric straight pop-up display; 4M X 3M PVC banner
<b>4K 3-Cmos 1/3' Sensor XDCAM Camcorder</b>	<p>Built-in ND Filter: 2 Stop (1/4) 4 Stop (1/6) 6 Stop (/64) ND Filters a 2 to 7 Stop Electronic ND filter Mechanical Filter Wheel with clear</p> <p>Minimum Illumination: 0.02 Lux</p> <p>Sensor type: 3-Chip 1/3' CMOS Sensor</p> <p>Sensor resolution: Effective 8.3 Megapixel</p> <p>Lens Focal Length: 3.7 to 92.5mm (35mm Equivalent Focal Length: 28.8 to 720mm)</p> <p>Optical Zoom Ratio: 25x</p> <p>Maximum Aperture: f/1.6</p> <p>Minimum Aperture: f/11</p> <p>Filter size: 82 mm</p> <p>Focus: Auto/Manual</p> <p>Display Type: Articulating LCD</p> <p>Display Screen: 3.5"</p> <p>Display resolution: 1,560,000 Dots</p> <p>Audio recording: XAVC: 4-Channel 24-Bit 48KHz LPCM Audio</p> <p>Wireless Video Streaming: 2.4/5 GHz Wi-Fi 5(802.11 ac) NFC</p> <p>Audio inputs: 1x1/8"/3.5 mm Stereo Headphone output 2x3-Pin XLR mic/Line level (+48 V Phantom Power) input</p> <p>Built-In Microphone: Stereo</p> <p>Video inputs: 1xBNC (3G-SDI) Output 1xHDMI Output</p> <p>Battery Series: Sony BP- U Series</p> <p>Dimensions: 7.5x8x16.5x202x419mm (with Protrusions)</p> <p>Accessory mounting threads: 1x Intelligent Hot Shoe</p> <p>Other I/O: 1x2.5 mm Sub-Mini LANC Control 1x BNC Timecode Input/output 1x RJ45 LAN 1x USB Micro-B 2x USB Type-A</p>
<b>Canon EOS 5D Mark IV with 24-105mm lens</b>	<p>Shutter Speed: Bulb Mode Electronic Front Curtain Shutter 1/8000 to 30 Seconds</p> <p>Camera Format: Full-Frame (1.0x Crop Factor)</p> <p>Reduction System: Yes</p> <p>Pixels: Actual: 31.7 Megapixel Effective: 30.4 Megapixel</p> <p>Max Resolution: 30.4 MP: 6720x4480</p> <p>Aspect Ratio: 1:1, 16:9, 3:2, 4:3</p> <p>Sensory type: CMOS</p> <p>Sensor Size: 36x24mm</p> <p>Image format: JPEG/RAW</p> <p>ISO sensitivity: 100-320000 (Extended Mode: 50-102400)</p> <p>Bit Depth: 14-bit</p> <p>Image Stabilization: Yes</p> <p>Lens Mount: Canon EF</p> <p>Focus Type: Auto/Manual</p> <p>Self-Timer: 2/10-Second Delay</p> <p>Focus mode: Continuous-Servo AF (C) Manual Focus (M) Single-Servo AF (S)</p> <p>Auto Focus points: Phase Detection: 61 (41 cross-Type)</p> <p>Auto Sensitivity: -3 to +18 EV</p>

<b>Aluminum Video Tripod with Fluid</b>	<p>Camera mount Type: 1x1/4"-20 Male</p> <p>Folded Length: 37.80"/96cm</p> <p>Leg Sections: 3</p> <p>Max Operating Height: 74.80" /190 cm (with spreader)</p> <p>Load Capacity: 22lb/9.98 kg</p> <p>Material: Aluminum</p> <p>Min. Operating Height: 36.06"/91.6 cm (with Spreader)</p> <p>Leg lock Type: Twist Lock</p> <p>Feet: Rubber</p> <p>Vertical Tilt: +90° to 75°</p> <p>Pan Bar: 1x Rosette</p> <p>Pan Drag: Pan: Continuous Tilt: Continuous</p> <p>Pan Lock: Yes</p> <p>Tilt Lock: No</p> <p>Panning range: 360°</p> <p>Spreader: Mid-Level (integrated)</p> <p>Mount: 75 mm Half Ball</p>
<b>HDMI Cables</b>	<p>Connections: <b>19pins Male – 19pins Male</b></p> <p>Compliant with HDMI version <b>1.4 and v1.3</b></p> <p>Fully HDCP compliant to provide the highest level of signal quality.</p> <p>Gold-plated connectors for the highest signal transfer rate and corrosion resistance.</p>
<b>XLR Cables</b>	<p>Connector1: XLR MALE 3PIN</p> <p>Connector 2: XLR FEMALE</p>
<b>Audio Recorder</b>	<p>Frequency Response: 50Hz-16kHz @ 44.1 kHz Sample Rate / 128kbs MP3 50Hz-20KHz Sample Rate/16-Bit LPCM 50Hz- 20kHz @44.1 kHz Sample Rate/ 192 kbs MP3</p> <p>On-screen clock: Yes</p> <p>Microphone Type: Internal Stereo -1 Elements</p> <p>Recording Format: LPCM MP3</p> <p>Recording modes: Stereo</p> <p>Internal Memory: Flash Memory- 4GB</p> <p>Battery Type: 1Xaaa</p>
<b>Canon LP-E6NH Battery Original</b>	<p>Voltage: 7.2VDC</p> <p>Dimensions: 2.2 x1.5" /5.6 x 2x 3.8 cm</p> <p>Weight: 2.8 oz /79.4 g</p> <p>Dimension: 7.1 x2.8 1.2"</p> <p>Package weight: 0.25lb</p> <p>Amp-Hours: 1865 mAh</p> <p>Chemistry: Lithium-Ion</p>
<b>SD card</b>	<p>Write protect switch: Yes</p> <p>Bus Type: UHS-I</p> <p>Data Transfer: Read Speed: 120 Mb/s Maximum Burst Write Speed: 10 MB/s Minimum</p> <p>Durability: Shockproof Temperature Extremes Waterproof X-Ray Proof</p> <p>Speed Class: 10</p> <p>Storage: 128 GB</p> <p>UHS Speed Class: U1</p>
<b>GVM P8oS LED 4-Light Ki with Umbrellas, Softboxes, and Backdrops</b>	<p>Cooling System: Fan</p> <p>Dimming: Yes, 0 to 99%</p> <p>Display Type: LCD</p> <p>Battery plate: None</p> <p>Mount: Reflector Mount Bowens S-Type</p> <p>AC input Power: 30 VDC'</p> <p>Power source: AC Adaptor</p> <p>Fixture Mount: 5/8" Receiver</p> <p>Material: Durable ABS Plastic Aluminum</p>

<b>4K Wireless Video Transmission System</b>	<p>Encryption: None</p> <p>Video Format: HDMI 1080p: 60/30/24 HDMI UHD 4K: 30 SDI 1080p: 60/59.94/30/29.97/24/23.98</p> <p>Frequency Range: US: 5GHz</p> <p>Latency: 0.06 sec</p> <p>Video Connectors: Transmitter: 1xBNC input Transmitter: 1x HDMI input</p> <p>Antenna: Transmitter/Receiver: 2x RP-SMA female</p> <p>Embedded audio: HDMI/SDI</p> <p>DC input power: 6 to 16 VDC</p> <p>Power: Transmitter/Receiver: 1x Coax input Transmitter/Receiver: 1x USB-C input</p> <p>Wireless range: 450' / 137.2 m (Line of sight)</p>
<b>Epson EB-X49 Projector</b>	<p>Projection System: 3LCD Technology, RGB liquid crystal shutter</p> <p>LCD Panel: 0.55 inch with C2 Fine</p> <p>Color Light Output: 3,600 Lumen- 2,400 Lumen (economy)</p> <p>White Light Output: 3,600 Lumen</p> <p>Resolution: XGA, 1024 x 768, 4:3</p> <p>Native Contrast: 16,000: 1</p> <p>Lamp: UHE, 210 W, 6,000 h durability, 12,000 h durability (economy mode)</p> <p>Keystone Correction: Auto vertical: <math>\pm 30^\circ</math>, Manual horizontal <math>\pm 30^\circ</math></p> <p>Color Reproduction: Upto 1.07 billion colours</p> <p>Throw Ratio: 1.48 - 1.77:1</p> <p>Zoom: Digital</p> <p>Screen Size: 30 inches - 300 inches</p> <p>Projection Lens F Number: 1.49 - 1.72</p> <p>Projection Lens Focal Length: 16.9 mm - 20.28 mm</p> <p>Offset: 8: 1</p> <p>USB Display Function: 3 in 1: Image / Mouse / Sound</p> <p>Interfaces: USB 2.0 Type B, RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN a/n (5GHz) (optional), VGA in (2x), VGA out, HDMI in, Composite in, Stereo mini jack audio out, Stereo mini jack audio in (2x), Cinch audio in, USB 2.0 Type A</p> <p>Epson iProjection App: Ad-Hoc / Infrastructure</p> <p>Power consumption: 327-Watt, 225 Watt (economy)</p> <p>Product dimensions: 302 x 249 x 87 mm (Width x Depth x Height)</p> <p>Product weight: 2.7 kg</p> <p>Noise Level: Normal: 37 dB (A) - Economy: 28 dB (A)</p> <p>Positioning: Ceiling Mounted, Desktop</p> <p>Color: White</p>

### Yolobox Pro

<b>Exterior</b>	<p>Dimensions &amp; Weight</p> <p>Height: 27 mm</p> <p>Width: 129 mm</p> <p>Length: 218 mm</p> <p>Weight: 750 g</p> <p>Ports</p>
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<b>Ports</b>	<ul style="list-style-type: none"> <li>• 1HDMI IN 1: Video input</li> <li>• 2HDMI IN 2: Video input</li> <li>• 3HDMI IN 3: Video input</li> <li>• 4USB IN: Video input (Please note in some usb webcams, only video can be captured.)</li> <li>• 5Ethernet: Connect to Internet by Ethernet cable</li> <li>• 6HDMI OUT: Video output</li>   <li>• 7TYPE-C 3.0: A fully functional interface supports input</li> <li>• 8AUDIO OUT: Connect with 3.5mm monitor headphones</li> <li>• 9MIC IN: Mono, connect to microphone for recording</li> <li>• 10LINE IN: Stereo, connect to electric guitar or synthesizer</li> <li>• 11TYPE-C: Power connector</li> <li>• 121/4" Screw Hole: Mount YoloBox Pro with camera</li> <li>• 13Insert SD card as video sources (video &amp; PDF) &amp; for recording</li> <li>• 14SIM Card Slot: Insert SIM Card to connect to Internet</li> <li>• 15Power Button: Turn on and turn off</li> </ul>
<b>Encoded Format</b>	<ul style="list-style-type: none"> <li>• Video Encoded Format : H.264</li> <li>• Audio Encoded Format : AAC (44.1k)</li> <li>• Video Recorded format : MP4</li> <li>• Audio Input Format : 32kHz/44.1kHz/48kHz/16-bit/16kHz</li> <li>• Video Input Format : 1080i/ 720p/ 1080p</li> <li>• Live Broadcast Resolution : 540P/720P/1080P</li> </ul>
<b>Video Storage</b>	<ul style="list-style-type: none"> <li>• Storage Card Type : SD Card</li> <li>• Storage Card Capacity : Expanded to 128G in FAT32 Format</li> </ul>
<b>Network Connection</b>	<ul style="list-style-type: none"> <li>• WiFi : 2.4G/5G</li> <li>• 4G Network Countries &amp; Frequency Band For</li> <li>• Users : [NA : Variant for North America (US/Canada/Mexico ) ]</li> <li>• B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B41/B66/B71</li> <li>• Notes : Mexico B4</li> <li>• For Non-US/Canada/Mexico Users : (EM:Variant for EMEA/India/Korea/Taiwan/South</li> <li>• Asia/Latin America/Australia/New Zealand) Users :</li> <li>• B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B39/B40/B41</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• Power Interface : Type C, Quick Charge 3.0</li> <li>• Battery Capacity : 10000mAh</li> </ul>
<b>Transmission</b>	<ul style="list-style-type: none"> <li>• Network Protocol : RTMP(S)</li> </ul>
<b>Rated Voltage</b>	<ul style="list-style-type: none"> <li>• : 5V-3A; 9V-2A; 12V-1.5A</li> </ul>

## Canon Mount Adapter EF-EOS R

<b>Camera Mount Type</b>	<b>Canon RF</b>
<b>Lens Mount</b>	<b>Canon EF/EF-S Canon EF</b>
<b>Physical Dimensions</b>	<b>ø: 2.8 x H: 0.9" / ø: 71.2 x H: 24.0 mm</b>
<b>Weight</b>	<b>3.88 oz (110 g)</b>
<b>Box Dimensions (LxWxH)</b>	<b>5.15 x 4.65 x 3.25"</b>
<b>Package Weight</b>	<b>0.6 lb</b>

<b>Shutter Speed</b>	<b>Electronic Front Curtain Shutter 1/8000 to 30 Seconds Electronic Shutter 1/8000 to 0.5 Seconds Mechanical Shutter 1/8000 to 30 Seconds</b>
<b>White Balance</b>	<b>Colour Temperature Custom Daylight Fluorescent (White) Auto Cloudy Flash Shade Tungsten</b>
<b>Camera Format</b>	<b>Full-Frame (1x Crop Factor)</b>
<b>Imaging/ Image Sensor Pixels</b>	<b>Actual: 47.1 Megapixel Effective: 45.0 Megapixel</b>
<b>Max Resolution</b>	<b>8192 x 5464</b>
<b>Aspect Ratio</b>	<b>1:1 16:9 3:2 4:3</b>
<b>Sensor Type</b>	<b>CMOS</b>
<b>Sensor Size</b>	<b>36 x 24 mm</b>
<b>Image File Format</b>	<b>JPEG RAW</b>
<b>ISO Sensitivity</b>	<b>Auto, 100 to 51200 (Extended: 100 to 102400)</b>
<b>Bit Depth</b>	<b>14-bit</b>
<b>Image Stabilization</b>	<b>5-Axis Sensor-Shift</b>
<b>Lens Lens Mount</b>	<b>Canon RF</b>

<b>Focus Type</b>	<b>Auto &amp; Manual</b>
<b>Shutter Self-Timer</b>	<b>2/10-Second Delay</b>
<b>Focus &amp; Optics Focus Mode</b>	<b>Continuous-servo AF (C) Manual Focus (M) Single-servo AF (S)</b>
<b>Autofocus Points</b>	<b>Phase Detection: 1053</b>
<b>Autofocus Sensitivity</b>	<b>-6 to +20 EV</b>
<b>Viewfinder &amp; Display Viewfinder Coverage</b>	<b>100%</b>
<b>Viewfinder Type</b>	<b>Electronic (OLED)</b>
<b>Viewfinder Eye Point</b>	<b>23.00 mm</b>
<b>Viewfinder magnification</b>	<b>Approx. 0.76x</b>
<b>Viewfinder resolution</b>	<b>5,760,000 Dot</b>
<b>Viewfinder Size</b>	<b>0.5"</b>
<b>Display Type</b>	<b>Articulating Touchscreen LCD</b>
<b>Display Screen</b>	<b>3.2"</b>
<b>Display Resolution</b>	<b>2,100,000 Dot</b>
<b>Diopter Adjustment</b>	<b>-4 to +2 m</b>
<b>Exposure Control Exposure Modes</b>	<b>Aperture Priority Manual Program Shutter Priority</b>
<b>Metering Method</b>	<b>Center-weighted average metering Evaluative Metering Partial Metering Spot metering</b>
<b>Metering Range</b>	<b>3 to 20 EV</b>
<b>Exposure Compensation</b>	<b>-3 to +3 EV (1/3, 1/2 EV Steps)</b>
<b>Continuous Shooting</b>	<b>Electronic Shutter Up to 20 fps at 45 MP for up to 83 Frames (Raw) / 170 Frames (JPEG) Mechanical Shutter Up to 12 fps at 45 MP for up to 180 Frames (Raw) / 350 Frames (JPEG)</b>
<b>Interval Recording</b>	<b>Yes</b>



<b>Recording Audio Recording</b>	<b>Built-In Microphone (Stereo)</b> <b>External Microphone Input</b>
<b>Audio Format</b>	<b>Linear PCM</b> <b>AAC</b>
<b>Video Recording</b>	<b>Yes, NTSC/PAL</b>
<b>Recording Modes</b>	<b>DCI 4K (4096 x 2160) at 23.976p/24.00p/25p/29.97p/50p/59.94p/100p/119.88p [120 to 1880 Mb/s]</b> <b>DCI 4K (4096 x 2160) at 23.976p/24.00p/25p/29.97p/59.94p/100p/119.88p [170 to 1880 Mb/s]</b> <b>Full HD (1920 x 1080) at 23.976p/25p/29.97p/50p/59.94p [12 to 180 Mb/s]</b> <b>Full HD (1920 x 1080) at 23.976p/25p/29.97p/50p/59.94p [28 to 230 Mb/s]</b> <b>H.264 4:2:0 8-Bit DCI 8K (8192 x 4320) at 23.976p/24.00p/25p/29.97p [470 to 1300 Mb/s]</b> <b>H.265 4:2:2 10-Bit DCI 8K (8192 x 4320) at 23.976p/24.00p/25p/29.97p [680 to 1300 Mb/s]</b> <b>Raw 12-Bit DCI 8K (8192 x 4320) at 23.976p/24.00p/25p/29.97p [2600 Mb/s]</b> <b>UHD 4K (3840 x 2160) at</b>
	<b>23.976p/25p/29.97p/50p/59.94p/100p/119.88p [120 to 1880 Mb/s]</b> <b>UHD 4K (3840 x 2160) at 23.976p/25p/29.97p/50p/59.94p/100p/119.88p [170 to 1880 Mb/s]</b> <b>UHD 8K (7680 x 4320) at 23.976p/25p/29.97p [470 to 1300 Mb/s]</b> <b>UHD 8K (7680 x 4320) at 23.976p/25p/29.97p [680 to 1300 Mb/s]</b>
<b>External Recording Modes</b>	<b>4:2:2 10-Bit DCI 4K (4096 x 2160) up to 59.94p</b> <b>UHD 4K (3840 x 2160) up to 59.94p</b>
<b>Recording Limit</b>	<b>Up to 29 Minutes, 59 Seconds</b>
<b>Connectivity Wireless</b>	<b>Bluetooth</b> <b>WIFI</b>
<b>Connectivity</b>	<b>1 x USB Type-C</b> <b>3.5mm Headphone</b> <b>3.5mm Microphone</b> <b>HDMI D (Micro)</b>
<b>GPS</b>	<b>No</b>
<b>Flash</b>	<b>Built-in Flash</b> <b>No</b>
<b>Dedicated Flash System</b>	<b>eTTL</b>
<b>External Flash Connection</b>	<b>Hot Shoe</b>

<b>Flash Compensation</b>	<b>-3 to +3 EV (1/3, 1/2 EV Steps)</b>
<b>Max Sync Speed</b>	<b>1 / 250 Second</b>
<b>Interface Memory Card Slot</b>	<b>Slot 1: CFexpress Type B Slot 2: SD/SDHC/SDXC (UHS-II)</b>
<b>Environmental Operating Temperature</b>	<b>32 to 104°F (0 to 40°C)</b>
<b>Operating Humidity</b>	<b>0 to 85%</b>
<b>Power Battery Type</b>	<b>1 x LP-E6NH Rechargeable Lithium-Ion</b>
<b>Physical Dimensions</b>	<b>5.43 x 3.84 x 3.46" / 138 x 97.5 x 88 mm</b>
<b>Weight</b>	<b>1.62 lb / 738 g</b>
<b>Kit Lens 1 Maximum Aperture KL1</b>	<b>f/4</b>
<b>Minimum Aperture KL1</b>	<b>f/22</b>
<b>Angle of View KL1</b>	<b>84° to 23° 20'</b>
<b>Maximum Magnification KL1</b>	<b>0.24x</b>
<b>Minimum Focus Distance KL1</b>	<b>1.48' / 45 cm</b>
<b>Optical Design KL1</b>	<b>18 Elements in 14 Groups</b>
<b>Diaphragm Blades KL1</b>	<b>9, Rounded</b>
<b>Focus Type KL1</b>	<b>Autofocus</b>
<b>Image Stabilization KL1</b>	<b>Yes</b>
<b>Filter Size KL1</b>	<b>77 mm (Front)</b>
<b>Lens KL1</b>	<b>Canon RF</b>
<b>Dimensions (ø x L) KL1</b>	<b>3.29 x 4.22" / 83.5 x 107.3 mm</b>
<b>Weight KL1</b>	<b>1.54 lb / 700 g</b>
<b>Package Weight KL1</b>	<b>2.175 lb</b>
<b>Box Dimensions (LxWxH) KL1</b>	<b>9.8 x 5.4 x 5.4"</b>

<b>Imaging/ Image Sensor Aspect Ratio</b>	<b>16:9</b>
<b>Bit Depth</b>	<b>8-Bit (16.7 Million Colors)</b>
<b>Image Controls</b>	<b>Anamorphic De-Squeeze Color Temperature Selection False Color Histogram Image Flip Marker Color Pixel-to-Pixel Zoom R/G/B/Chroma Only Screen Markers Underscan, Zebra</b>
<b>Camera Jib Arm Specifications Finish</b>	<b>Matte</b>
<b>Viewfinder &amp; Display</b>	<b>Display Type IPS-Type LCD</b>
<b>Display Type</b>	<b>IPS-Type LCD</b>
<b>Display Screen</b>	<b>5.0" / 12.7 cm</b>
<b>Display Resolution</b>	<b>1920 x 1080</b>
<b>Touchscreen</b>	<b>No</b>
<b>Recording Video Format</b>	<b>1080i: 50/59.94/60 1080p: 23.98/24/25/29.97/30/50/59.94/60 1080PsF: 23.98/24 480i 576i 720p: 23.98/24/25/29.97/30/50/59.94/60 HDMI: DCI 4K: 24 UHD 4K: 23.98/24/25/29.97/30</b>
<b>Image Display Contrast Ratio</b>	<b>1000:1</b>
<b>Receiver Mounting Options</b>	<b>1 x Cold Shoe Mount 2 x 1/4"-20 Female</b>
<b>Audio Built-in Speaker</b>	<b>No</b>
<b>Interface Audio Input</b>	<b>1 x 3.5 mm Headphone Output</b>

<b>Memory Card Slot</b>	None
<b>Environmental Operating Temperature</b>	-4 to 131°F (-20 to 55°C)
<b>Storage Temperature</b>	-22 to 149°F (-30 to 65°C)
<b>Power DC Input Power</b>	6 to 24 VDC
<b>Power Consumption</b>	8 W
<b>Battery Type</b>	1 x LP-E6, L-Series
<b>Power</b>	1 x Barrel Output
<b>Physical Dimensions</b>	5.35 x 2.98 x 0.99" / 136 x 75.7 x 25.2 mm
<b>Weight</b>	5.03 oz / 142.5 g
<b>Projector Brightness</b>	450 cd/m2
<b>Packaging Information Box Dimensions (LxWxH)</b>	7.45 x 4.95 x 0.01"
<b>Package Weight</b>	1.2 lb
<b>Video Inputs</b>	1 x HDMI Type A Input 1 x HDMI Type A Output

#### Reflector holder

<b>Lens</b>	<b>Type</b> Clamp & Holder
<b>Flash Mount</b>	No
<b>Physical</b>	<b>Weight</b> 836g
<b>Monopod</b>	<b>Maximum Height</b> 173cm
<b>Minimum Height</b>	77cm

#### Reflector Kit 7 in 1 80x120cm

<b>Features &amp; Benefits Color</b>	Black Blue Gold Green Silver Translucent White
<b>Physical Dimensions</b>	80 x 120 cm

**Boom Pole Holder with Grip head kit**

<b>Dimensions</b> <b>Weight</b>	<b>5.25 x 7.25 x 2.75" (133.35 x 184.15 x 69.85mm)</b> <b>240.98g</b>
<b>Grip Head kit</b> <b>Number of Heads</b>	<b>Single Grip</b>
<b>Compatible Diameters</b>	<b>5/8", 1/2", 3/8"</b>
<b>Bottom Mount</b> <b>Color</b>	<b>5/8" Receiver</b> <b>Silver</b>
<b>Head Diameter</b>	<b>2.5" / 6.3 cm</b>
<b>Weight</b>	<b>1.75 lb / 800 g</b>

**Heavy Duty Century Stand with Boom Holder**

<b>Color:</b> <b>Material:</b> <b>Maximum Height:</b> <b>Minimum Height:</b> <b>Extension Arms Length:</b> <b>Max. Load Capacity:</b>	<b>Silver</b> <b>100% Stainless Steel</b> <b>10.5' / 320cm</b> <b>4.7' / 146cm</b> <b>4.2' / 128cm</b> <b>17.6lb / 8kg (Extension Arm), 44lb / 20kg (Center Column)</b>
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**Century stand SandBag**

<b>2 zippered pockets each</b> <b>Each bag of sand is rated for 5 Kg</b> <b>Strong and durable to add weight</b> <b>Useful with boom arms, light stands, tripods, and/or lighting equipment</b> <b>With yellow and black design</b>	
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# **PART 3 - CONDITIONS OF CONTRACT AND CONTRACT FORMS**

## SECTION VI - GENERAL CONDITIONS OF CONTRACT

### 1. Definitions

In the Conditions of Contract (“these Conditions”), which include Special Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

- a) “Contract” means the Contract Agreement entered into between the Procuring Entity and the Supplier, 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 therefrom, as may be made pursuant to the Contract.
- d) “Day” means calendar day.
- e) “Completion” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- f) “GCC” means the General Conditions of Contract.
- g) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Procuring Entity under the Contract.
- h) “Procuring Entity” means the Procuring Entity purchasing the Goods and Related Services, as **specified in the SCC.**
- i) “Related Services” means the services incidental to the supply of the goods, such as insurance, delivery, installation, commissioning, training and initial maintenance and other such obligations of the Supplier under the Contract.
- j) “SCC” means the Special Conditions of Contract.
- k) “Subcontractor” means any person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- l) “Supplier” means the person, private or government entity, or a combination of the above, whose Tender to perform the Contract has been accepted by the Procuring Entity and is named as such in the Contract Agreement.
- m) “**Base Date**” means a date 30 day prior to the submission of tenders.
- n) “**Laws**” means all national legislation, statutes, ordinances, and regulations and by-laws of any legally constituted public authority.
- o) “**Letter of Acceptance**” means the letter of formal acceptance, signed by the contractor. Procuring Entity, including any annexed memoranda comprising agreements between and signed by both Parties.
- p) “**Procuring Entity**” means the Entity named in the Special Conditions of Contract.

### 2. Interpretation

21. If the context so requires it, singular means plural and vice versa.

## 22. Incoterms

- a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms **specified in the SCC**.
- b) The terms EXW and CIP and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

## 3. Contract Documents

Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Framework agreement shall be read as a whole. The documents forming the Contract shall be interpreted in the following order of priority:

- a) the Contract Agreement,
- b) the Letter of Acceptance,
- c) the General Conditions of Contract
- d) Special Conditions of Contract
- e) the Form of Tender,
- f) the Specifications and Schedules of the Drawings (if any), and
- g) the Schedules of Requirements, Price Schedule and any other documents forming part of the Contract.

## 4. Fraud and Corruption

- 31 The supplier shall comply with anti-corruption laws and guidelines and the prevailing sanctions, policies and procedures as set forth in the Laws of Kenya.
- 32 The Supplier shall disclose any commissions, gratuity or fees that may have been paid or are to be paid to agents or any other person with respect to the Tendering process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

### 4.1 Entire Agreement

- 4.1.1 The Contract constitutes the entire agreement between the Procuring Entity 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.

### 4.1.2 Framework Agreement

- 4.1.2.1 The Parties shall enter into a Framework Agreement within 28 days after the Contractor receives the Letter of Acceptance, unless the Particular Conditions establish otherwise. The Framework Agreement shall be based upon FORM No. 3 – FRAMEWORK AGREEMENT annexed to the Particular Conditions. The costs of stamp duties and similar charges (if any) imposed by law in connection with entry into the Framework Agreement shall be borne by the Procuring Entity.
- 4.1.2.2 The Framework Agreement establishes the terms and conditions that will govern the contract awarded during the term of the Framework Agreement. The Framework Agreement establishes for the procurement works by package as and when required, over the specified period of time. The Framework Agreement does not commit a Procuring Entity to procure, nor a Firm to supply. The Framework Agreement allows the Procuring Entity to call the Contractor to commence the works on a particular package in a specified location within the duration of the agreement.
- 4.1.2.3 This Framework Agreement does not guarantee the contractor of being called for a contract to start and no commitment is made with regard to possible number of packages to carry out.



- 4.1.2.4 This Framework Agreement does exclude the Procuring Entity from the right to procure the same Works from other firms.
- 4.1.2.5 This Framework Agreement does not stop the Procuring Entity from removing the contractor from the same Agreement.
- 4.1.2.6 FAs shall be established for a maximum period of three (3) years. The Procuring Entity may with the Consent of the Contractor extend this Agreement if the agreement period is less than three (3) years, if the initial engagement has been satisfactory.
- 4.1.2.7 Call-off Contracts; for work on a package to start, the Procuring Entity shall issue a notice of acceptance of a particular package requesting the contractor to furnish a Performance Security and to start the works thereafter, and providing the contractor with details of location where the works, are to be carried out. The call-off statement shall specify the objectives, tasks, deliverables, timeframes and price or price mechanism. The price for individual call-off contracts shall be based on the prices detailed in the Framework Agreement.

## 4.2 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

## 4.3 Non-waiver

- a) Subject to GCC Sub-Clause 4.5(b) below, 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.

## 4.4 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.

## 5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Procuring Entity, shall be written 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 and certified translation of the relevant passages in the **English Language**, in which case, for purposes of interpretation of the Contract, the English language is translation shall govern.
- 5.2 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.

## 6. Joint Venture, Consortium or Association

- 6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Procuring Entity for the fulfilment of the provisions of the Contract and shall designate one member of the joint venture, consortium, or association to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior written consent of the Procuring Entity.

## 7. Eligibility

- 71 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Sub-contractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.
- 72 All Goods and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, 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.
- 73 The Tenderer, if a Kenyan firm, must submit with its tender a valid tax compliance certificate from the Kenya Revenue Authority.

## **8. Notices**

- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term "in writing" means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

## **9. Governing Law**

- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of Kenya.
- 9.2 Throughout the execution of the Contract, the Supplier shall comply with the import of goods and services prohibitions in Kenya:
- a) where, as a matter of law, compliance or official regulations, Kenya prohibits commercial relations with that country or any import of goods from that country or any payments to any country, person, or entity in that country ; or
  - b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods from that country or any payments to any country, person, or entity.

## **10. Settlement of Disputes**

- 10.1 The Procuring Entity and the Supplier shall make every effort to resolve amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Procuring Entity or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 10.2 Arbitration proceedings shall be conducted as follows:**
- 10.2.1 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 10.1 shall be finally settled by arbitration.
- 10.2.2 No arbitration proceedings shall be commenced on any claim or dispute where notice of a claim or dispute has not been given by the applying party within thirty days of the occurrence or discovery of the matter or issue giving rise to the dispute.
- 10.2.3 Notwithstanding the issue of a notice as stated above, the arbitration of such a claim or dispute shall not commence unless an attempt has in the first instance been made by the parties to settle such claim or dispute amicably with or without the assistance of third parties. Proof of such attempt shall be required.
- 10.2.4 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any due payments.
- 10.2.5 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for the dispute given in its notice of a claim or dispute.

1026 Arbitration may be commenced prior to or after delivery of the goods. The obligations of the Parties shall not be altered by reason of any arbitration being conducted during the progress of the delivery of goods.

1027 The terms of the remuneration of each or all the members of Arbitration shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.

### **103 Arbitration Proceedings**

1031 Arbitration proceedings with national suppliers will be conducted in accordance with the Arbitration Laws of Kenya. In case of any claim or dispute, such claim or dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The dispute shall be referred to the arbitration and final decision of a person or persons to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed, on the request of the applying party, by the Chairman or Vice Chairman of any of the following professional institutions;

- i) Kenya National Chamber of Commerce
- ii) Chartered Institute of Arbitrators (Kenya Branch)
- iii) The Law Society of Kenya

1032 The institution written to first by the aggrieved party shall take precedence over all other institutions.

### **1033 Alternative Arbitration Proceedings**

Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

### **104 Arbitration with Foreign Suppliers**

1041 Arbitration with foreign suppliers shall be conducted in accordance with the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL); or with proceedings administered by the International Chamber of Commerce (ICC) and conducted under the ICC Rules of Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.

1042 The place of arbitration shall be a location specified in the **SCC**; and the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].

### **105 Alternative Arbitration Proceedings**

Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

### **106 Failure to Comply with Arbitrator's Decision**

1061 The award of such Arbitrator shall be final and binding upon the parties.

10.6.1 In the event that a Party fails to comply with a final and binding Arbitrator's decision, then the other Party may, without prejudice to any other rights it may have, refer the matter to a competent court of law.

### **107 Contract operations continue**

Notwithstanding any reference to arbitration herein,

- a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- b) the Procuring Entity shall pay the Supplier any monies due the Supplier.

## **11. Inspections and Audit by the Procuring Entity**

- 11.1 The Supplier shall keep, and shall cause its Subcontractors to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time, changes and costs.
- 11.2 Pursuant to paragraph 2.2 of Instruction to Tenderers, the Supplier shall permit and shall cause its subcontractors to permit, the Procuring Entity and/or persons appointed by the Procuring Entity or by other statutory bodies of the Government to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Procuring Entity. The Supplier's and its Subcontractors' attention is drawn to Sub- Clause 3.1 which provides, inter alia, that acts intended to materially impede the exercise of the Procuring Entity's inspection and audit rights constitute a prohibited practice subject to contract termination, as well as to a determination of ineligibility.

## **12. Scope of Supply**

- 12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

## **13. Delivery and Documents**

- 13.1 Subject to GCC Sub-Clause 33.1, the delivery of the Goods and completion of the Related Services shall be in accordance with the List of Goods and Delivery Schedule specified in the Supply Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the SCC.

## **14. Supplier's Responsibilities**

- 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.

## **15. Contract Price**

- 15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Tender, with the exception of any price adjustments authorized in the SCC.
- 15.2 Where the contract price is different from the corrected tender price, in order to ensure the supplier is not paid less or more relative to the contract price (*which would be the tender price*), any partial payment valuation based on rates in the schedule of prices in the Tender, will be adjusted by a plus or minus percentage. The percentage already worked out during tender evaluation is worked out as follows:  $(\text{corrected tender price} - \text{tender price}) / \text{tender price} \times 100$ .

## **16. Terms of Payment**

- 16.1 The Supplier shall request for payment by submitting invoice(s), delivery note(s) and any other relevant documents as specified in the SCC to the Procuring Entity.
- 16.2 Payments shall be made promptly by the Procuring Entity, but not later than thirty (30) days after submission of an invoice by the Supplier, and after the Procuring Entity has accepted it.
- 16.3 Where a Procuring Entity rejects Goods and Related Services, in part or wholly, the procuring Entity shall promptly inform the Supplier to collect, replace or rectify as appropriate and give reasons for rejection. The Supplier shall submit a fresh invoice, delivery note and any other relevant documents as specified in the SCC.
- 16.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the Tender price is expressed.
- 16.5 In the event that the Procuring Entity fails to pay the Supplier any payment by its due date or within the period set forth in the SCC, the Procuring Entity may pay to the Supplier interest on the amount of such delayed payment at the rate shown in the SCC, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

## 17. Taxes and Duties

- 17.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, and other such levies incurred to deliver the Goods and Related Services to the Procuring Entity at the final delivery point.
- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Kenya, the Supplier shall inform the Procuring Entity and the Procuring Entity shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

## 18. Performance Security

- 18.1 If required as specified in the **SCC**, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2 The proceeds of the Performance Security shall be payable to the Procuring Entity as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 As specified in **the SCC**, the Performance Security, if required, shall be denominated in the currency(ies) of the Contract, or in a freely convertible currency acceptable to the Procuring Entity; and shall be in one of the formats stipulated by the Procuring Entity in **the SCC**, or in another format acceptable to the Procuring Entity.
- 18.4 The Performance Security shall be discharged by the Procuring Entity and returned to the Supplier not later than thirty (30) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.

## 19. Copyright

- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring Entity by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Procuring Entity directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

## 20. Confidential Information

- 20.1 The Procuring Entity and the Supplier shall keep confidential 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 Sub-Supplier such documents, data, and other information it receives from the Procuring Entity to the extent required for the Sub Supplier to perform its work under the Contract, in which event the Supplier shall obtain from such Sub Supplier undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Procuring Entity 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 the Procuring Entity for any purpose other than the performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- a) the Procuring Entity or Supplier need to share with other arms of Government or other bodies participating in the financing of the Contract; such parties shall be disclosed in **the SCC**;
  - b) now or hereafter enters the public domain through no fault of that party;
  - c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or

- d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

## **21. Subcontracting**

- 21.1 The Supplier shall notify the Procuring Entity in writing of all subcontracts awarded under the Contract if not already specified in the Tender. Such notification, in the original Tender or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

## **22. Specifications and Standards**

### **22.1 Technical Specifications and Drawings**

- a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
- b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Procuring Entity, by giving a notice of such disclaimer to the Procuring Entity.
- c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Procuring Entity and shall be treated in accordance with GCC Clause 33.

## **23. Packing and Documents**

- 23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. 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.
- 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified **in the SCC**, and in any other instructions ordered by the Procuring Entity.

## **24. Insurance**

- 24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.

## **25. Transportation and Incidental Services**

- 25.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2 The Supplier may be required to provide any or all of the following services, including additional

services, if any, specified in SCC:

- a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- e) training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

253 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services

## **26. Inspections and Tests**

261 The Supplier shall at its own expense and at no cost to the Procuring Entity carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC.

262 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in Kenya as specified in the SCC. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring Entity.

263 The Procuring Entity or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Procuring Entity bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.

264 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Procuring Entity. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Procuring Entity or its designated representative to attend the test and/or inspection.

265 The Procuring Entity may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.

266 The Supplier shall provide the Procuring Entity with a report of the results of any such test and/or inspection.

267 The Procuring Entity may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall repeat the test and/or inspection, at no cost to the Procuring Entity, upon giving a notice pursuant to GCC Sub- Clause 26.4.

268 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Procuring Entity or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

## **27. Liquidated Damages**

27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Procuring Entity may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those SCC. Once the maximum is reached, the Procuring Entity may terminate the Contract pursuant to GCC Clause 35.

## **28. Warranty**

28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

28.2 Subject to GCC Sub-Clause 22.1(b), 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 of final destination.

28.3 Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

28.4 The Procuring Entity shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Procuring Entity shall afford all reasonable opportunity for the Supplier to inspect such defects.

28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Procuring Entity.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Procuring Entity may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Entity may have against the Supplier under the Contract.

## **29. Patent Indemnity**

29.1 The Supplier shall, subject to the Procuring Entity's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Procuring Entity 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 the Procuring Entity 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 by reason of:

- a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Procuring Entity arising out of the matters referred to in GCC Sub-Clause 29.1, the Procuring Entity shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Procuring Entity's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Procuring Entity within twenty-eight (28) days after receipt of



such notice that it intends to conduct any such proceedings or claim, then the Procuring Entity shall be free to conduct the same on its own behalf.

294 The Procuring Entity shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

295 The Procuring Entity shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors 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 the Supplier 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 arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Procuring Entity.

### **30. Limitation of Liability**

30.1 Except in cases of criminal negligence or willful misconduct,

a) the Supplier shall not be liable to the Procuring Entity, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Procuring Entity, and

b) the aggregate liability of the Supplier to the Procuring Entity, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the Procuring Entity with respect to patent infringement.

### **31. Change in Laws and Regulations**

31.1 Unless otherwise specified in the Contract, if after the date of 30 days prior to date of Tender submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Kenya (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. 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, in accordance with GCC Clause 15.

### **32. Force Majeure**

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

32.2 For purposes of this Clause, "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, acts of the Procuring Entity in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Entity in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Entity 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.

### **33. Change Orders and Contract Amendments**

- 33.1 The Procuring Entity may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Entity;
  - b) the method of shipment or packing;
  - c) the place of delivery; and
  - d) the Related Services to be provided by the Supplier.
- 33.2 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 twenty-eight (28) days from the date of the Supplier's receipt of the Procuring Entity's change order.
- 33.3 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 the prevailing rates charged to other parties by the Supplier for similar services.
- 33.4 **Value Engineering:** The Supplier may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following:
- a) the proposed change(s), and a description of the difference to the existing contract requirements;
  - b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle costs) the Procuring Entity may incur in implementing the value engineering proposal; and
  - c) a description of any effect(s) of the change on performance/functionality.
- 33.5 The Procuring Entity may accept the value engineering proposal if the proposal demonstrates benefits that:
- a) accelerates the delivery period; or
  - b) reduces the Contract Price or the life cycle costs to the Procuring Entity; or
  - c) improves the quality, efficiency or sustainability of the Goods; or
  - d) yields any other benefits to the Procuring Entity, without compromising the necessary functions of the Facilities.
- 33.6 If the value engineering proposal is approved by the Procuring Entity and results in:
- a) a reduction of the Contract Price; the amount to be paid to the Supplier shall be the percentage specified **in the SCC** of the reduction in the Contract Price; or
  - b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in  
(a) to (d) above, the amount to be paid to the Supplier shall be the full increase in the Contract Price.
- 33.7 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

#### **34. Extensions of Time**

- 34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Procuring Entity in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Procuring Entity 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.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, 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 pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

### **35. Termination**

#### **35.1 Termination for Default**

- a) The Procuring Entity, 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:
  - i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Procuring Entity pursuant to GCC Clause 34;
  - ii) if the Supplier fails to perform any other obligation under the Contract; or
  - iii) if the Supplier, in the judgment of the Procuring Entity has engaged in Fraud and Corruption, as defined in paragraph 2.2 a of the Appendix to the GCC, in competing for or in executing the Contract.
- b) In the event the Procuring Entity terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Procuring Entity may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Procuring Entity for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

#### **35.2 Termination for Insolvency.**

The Procuring Entity may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Procuring Entity

#### **35.2 Termination for Convenience.**

- a) The Procuring Entity, 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 the Procuring Entity'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 within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Entity at the Contract terms and prices. For the remaining Goods, the Procuring Entity may elect:
  - i) to have any portion completed and delivered at the Contract terms and prices; and/or
  - ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

### **36. Assignment**

- 36.1 Neither the Procuring Entity nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

### **37. Export Restriction**

- 37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Procuring Entity, to Kenya, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Procuring Entity that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Procuring Entity's convenience pursuant to Sub-Clause 35.3.

## SECTION VII - SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

*[The Procuring Entity shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics].*

### SECTION VII - SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

*[The Procuring Entity shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]*

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
<b>GCC 1.1(h)</b>	The Procuring Entity is: <b>COUNTY GOVERNMENT OF NYANDARUA</b>
<b>GCC 4.2 (a)</b>	The meaning of the trade terms shall be as prescribed by Incoterms. If the meaning of any trade term and the rights and obligations of the parties thereunder shall not be as prescribed by Incoterms, they shall be as prescribed by: <i>N/A</i>
<b>GCC 4.2 (b)</b>	The version edition of Incoterms shall be <b>INCOTERMS 2020</b>
<b>GCC 8.1</b>	For <b>notices</b> , the Procuring Entity's address shall be:  <p style="text-align: center;"><b>Head of Supply Chain Management Services</b>  <b>County Government of Nyandarua</b>  <b>P.O. BOX 701-20303</b>  <b>OI Kalou</b>  <b>Email: scms@nyandarua.go.ke</b></p>
<b>GCC 10.4.2</b>	The place of arbitration shall be the <b>as agreed by both parties.</b>
<b>GCC 13.1</b>	Details of Shipping and other Documents to be furnished by the Supplier are <b>delivery note and supplier invoice while quality inspection and test reports, Manufacturer warranty certificate where requested.</b>  The above documents shall be received by the Procuring Entity before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.
<b>GCC 15.1</b>	The prices charged for the Goods supplied and the related Services performed <b>shall not</b> be adjustable.  If prices are adjustable, the following method shall be used to calculate the price adjustment: <i>N/A</i>
<b>GCC 16.1</b>	<b>Sample provision</b>  GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: <b>As per the framework agreement.</b>
<b>GCC 16.5</b>	The payment-delay period after which the Procuring Entity shall pay interest to the supplier shall be <i>N/A</i> .  The interest rate that shall be applied is <i>N/A</i> .
<b>GCC 18.1</b>	A Performance Security <b>may not</b> be required <b>on a need be basis.</b>
<b>GCC 18.4</b>	Discharge of the Performance Security shall take place: <i>N/A</i>
<b>GCC 23.2</b>	The packing, marking and documentation within and outside the packages shall be: <b>As required.</b>
<b>GCC 24.1</b>	The insurance coverage shall be as specified in the Incoterms. If not in accordance with Incoterms, insurance shall be as follows: <i>N/A</i>
<b>GCC 25.1</b>	Responsibility for transportation of the Goods shall be as specified in the Incoterms.

<b>GCC 25.2</b>	Incidental services to be provided are: <i>After Sales Services If Any.</i>
<b>GCC 26.1</b>	The inspections and tests shall be: <i>inspection and acceptance by the Procuring Entity upon delivery.</i>
<b>GCC 26.2</b>	The Inspections and tests shall be conducted at: <i>Procuring entity's premises</i>
<b>GCC 27.1</b>	The liquidated damage shall be: <i>N/A</i>
<b>GCC 27.1</b>	The maximum amount of liquidated damages shall be: <i>N/A</i>
<b>GCC 28.3</b>	The period of validity of the Warranty shall be: <b>365</b> days For purposes of the Warranty, the place(s) of final destination(s) shall be: <b>County Government of Nyandarua</b>
<b>GCC 28.5, GCC 28.6</b>	The period for repair or replacement shall be: <b>30</b> days.
<b>GCC 33.6</b>	If the value engineering proposal is approved by the Procuring Entity the amount to be paid to the Supplier shall be <i>N/A</i> .  The percentage is normally up to 50%) of the reduction in the Contract Price.

## **SECTION VIII - CONTRACT FORMS**

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful tenderer after contract award.

## FORM No. 1: NOTIFICATION OF INTENTION TO AWARD

This Notification of Intention to Award shall be sent to each Tenderer that submitted a Tender. Send this Notification to the Tenderer's Authorized Representative named in the Tender Information Form on the format below.

### FORMAT

1. For the attention of Tenderer's Authorized Representative

i) Name: \_\_\_\_\_ [insert Authorized Representative's name]

ii) Address: \_\_\_\_\_ [insert Authorized Representative's Address]

iii) Telephone: \_\_\_\_\_ [insert Authorized Representative's telephone/fax numbers]

iv) Email Address: \_\_\_\_\_ [insert Authorized Representative's email address]

[IMPORTANT: insert the date that this Notification is transmitted to Tenderers. The Notification must be sent to all Tenderers simultaneously. This means on the same date and as close to the same time as possible.]

2. Date of transmission: \_\_\_\_\_ [email] on [date] \_\_\_\_\_ (local time)

This Notification is sent by \_\_\_\_\_ (Name and designation) \_\_\_\_\_

3. Notification of Intention to Award

i) Employer: \_\_\_\_\_ [insert the name of the Employer]

ii) Project: \_\_\_\_\_ [insert name of project]

iii) Contract title: \_\_\_\_\_ [insert the name of the contract]

iv) Country: \_\_\_\_\_ [insert country where ITT is issued]

v) ITT No: \_\_\_\_\_ [insert ITT reference number from Procurement Plan]

This Notification of Intention to Award (Notification) notifies you of our decision to award the above contract. The transmission of this Notification begins the Standstill Period. During the Standstill Period, you may:

4. Request a debriefing in relation to the evaluation of your tender

Submit a Procurement-related Complaint in relation to the decision to award the contract.

(i) **The successful tenderers:**

Package No.	Name of successful Tenderer	Address of the successful Tenderer	Contract price of the successful Tenderer
Lot No.			
Lot No.			
Lot No.			
Lot No.			
Lot No.			
Lot No.			

(ii) **Other Tenderers**

Names of all Tenderers that submitted a Tender. If the Tender's price was evaluated include the evaluated price as well as the Tender price as read out.

Package No.	Name of Tenderer	Address of the Tenderer	Tender price	evaluated price
Lot No.				
Lot No.				
Lot No.				
Lot No.				
Lot No.				
Lot No.				

5. How to request a debriefing

- a) DEADLINE: The deadline to request a debriefing expires at midnight on *[insert date]* (local time).
- b) You may request a debriefing in relation to the results of the evaluation of your Tender. If you decide to request a debriefing your written request must be made within three (5) Business Days of receipt of this Notification of Intention to Award.
- c) Provide the contract name, reference number, name of the Tenderer, contact details; and address the request for debriefing as follows:
  - I) Attention: \_\_\_\_\_ *[insert full name of person, if applicable]*
  - ii) Title/position: \_\_\_\_\_ *[insert title/position]*
  - ii) Agency: \_\_\_\_\_ *[insert name of Employer]*
  - iii) Email address: \_\_\_\_\_ *[insert email address]*
- d) If your request for a debriefing is received within the 3 Days deadline, we will provide the debriefing within five (3) Business Days of receipt of your request. If we are unable to provide the debriefing within this period, the Standstill Period shall be extended by five (3) Days after the date that the debriefing is provided. If this happens, we will notify you and confirm the date that the extended Standstill Period will end.
- e) The debriefing may be in writing, by phone, video conference call or in person. We shall promptly advise you in writing how the debriefing will take place and confirm the date and time.
- f) If the deadline to request a debriefing has expired, you may still request a debriefing. In this case, we will provide the debriefing as soon as practicable, and normally no later than fifteen (15) Days from the date of publication of the Contract Award Notice.

6. How to make a complaint

- a) Period: Procurement-related Complaint challenging the decision to award shall be submitted by midnight, *[insert date]* (local time).
- b) Provide the contract name, reference number, name of the Tenderer, contact details; and address the Procurement-related Complaint as follows:
  - I) Attention: \_\_\_\_\_ *[insert full name of person, if applicable]*
  - ii) Title/position: \_\_\_\_\_ *[insert title/position]*
  - iii) Agency: \_\_\_\_\_ *[insert name of Employer]*
  - iv) Email address: \_\_\_\_\_ *[insert email address]*
- c) At this point in the procurement process, you may submit a Procurement-related Complaint challenging the decision to award the contract. You do not need to have requested, or received, a debriefing before making this complaint. Your complaint must be submitted within the Standstill Period and received by us before the Standstill Period ends.
- d) Further information: For more information refer to the Public Procurement and Disposals Act 2015 and its Regulations available from the Website [www.ppra.go.ke](http://www.ppra.go.ke) or email [complaints@ppra.go.ke](mailto:complaints@ppra.go.ke).



You should read these documents before preparing and submitting your complaint.

- e) There are four essential requirements:
- i) You must be an ‘interested party’. In this case, that means a Tenderer who submitted a Tender in this tendering process, and is the recipient of a Notification of Intention to Award.
- ii) The complaint can only challenge the decision to award the contract.
- iii) You must submit the complaint within the period stated above.
- iv) You must include, in your complaint, all of the information required to support your complaint.

**7. Standstill Period**

- i) **DEADLINE:** The Standstill Period is due to end at midnight on [*insert date*] (local time).
- ii) The Standstill Period lasts ten (14) Days after the date of transmission of this Notification of Intention to Award.
- iii) The Standstill Period may be extended as stated in paragraph Section 5 (d) above.

If you have any questions regarding this Notification please do not hesitate to contact us.

On behalf of the Employer:

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Title/position:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**FORM NO. 2 - REQUEST FOR REVIEW**

**FORM FOR REVIEW(r.203(1))**

**PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD**

**APPLICATION NO.....OF.....20.....**

**BETWEEN**

.....**APPLICANT**

**AND**

.....**RESPONDENT (Procuring Entity)**

Request for review of the decision of the..... (Name of the Procuring Entity of .....dated the...day of .....20.....in the matter of Tender No.....of .....20..... for .....(Tender description).

**REQUEST FOR REVIEW**

I/We.....,the above named Applicant(s), of address: Physical address.....P. O. Box No..... Tel. No.....Email ....., hereby request the Public Procurement Administrative Review Board to review the whole/part of the above mentioned decision on the following grounds , namely:

- 1.
- 2.

By this memorandum, the Applicant requests the Board for an order/orders that:

- 1.
- 2.

SIGNED .....(Applicant) Dated on.....day of ...../...20.....

---

FOR OFFICIAL USE ONLY Lodged with the Secretary Public Procurement Administrative Review Board on.....day of .....20.....

**SIGNED**

**Board Secretary**

**FORM NO. 3 LETTER OF AWARD**

*[Use letter head paper of the Procuring Entity]*

\_\_\_\_\_ *[Date]*

To: \_\_\_\_\_ *[name and address of the Supplier]*

Subject: \_\_\_\_\_ **Notification of Award Contract No. . . . . .**

This is to notify you that your Tender dated \_\_\_\_\_ *[insert date]* for execution of the \_\_\_\_\_ *[insert name of the contract and identification number, as given in the SCC]* for the for contract Lot No... .. (amount.....), Lot No... .. (amount.....), Lot No... .. (amount.....). etc. are hereby accepted by ..... (name of Procuring Entity).

You are requested to arrange to sign the Framework Agreement within 28 days in accordance with the Conditions of Contract. On being instructed to commence the contract on any of the packages you have won, by a call-off notification, you will be requested to furnish for the particular package a Performance Security within 28 days in accordance with the Conditions of Contract, and for that purpose, using one of the Performance Security Forms included in Section VIII, Contract Forms, of the Tender Document.

Authorized Signature: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Agency: \_\_\_\_\_

**Attachment: Framework agreement**

## FORM NO. 4 - FRAMEWORK AGREEMENT

*[The successful tenderer shall fill in this form in accordance with the instructions indicated]*

THIS AGREEMENT made the \_\_\_\_\_ *[insert: number]* day of \_\_\_\_\_ *[insert: month]*, *[insert: year]*. BETWEEN (1) \_\_\_\_\_ *[insert complete name of Procuring Entity]* and having its principal place of business at *[insert: address of Procuring Entity]* (hereinafter called “Procuring Entity”), of the one part; and (2) \_\_\_\_\_ *[insert name of Supplier]*, a corporation incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at \_\_\_\_\_ *[insert: address of Supplier]* (hereinafter called “the Supplier”), of the other part.

1. WHEREAS the Procuring Entity invited Tenders for certain Goods and ancillary services, viz., \_\_\_\_\_  
\_\_\_\_\_ *[insert brief description of Goods and Services]* and has accepted a Tender by the Supplier for the supply of those Goods and Services, the Procuring Entity and the Supplier agree as follows:
  - i) In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
  - ii) The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.
    - a) the Letter of Acceptance
    - b) the Letter of Tender
    - c) the Addenda Nos. \_\_\_\_\_ (if any)
    - d) Special Conditions of Contract
    - e) General Conditions of Contract
    - f) the Specification (including Schedule of Requirements and Technical Specifications)
    - g) the completed Schedules (including Price Schedules)
    - h) any other document listed in GCC as forming part of the Contract
  - iii) In consideration of the payments to be made by the Procuring Entity to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Procuring Entity to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
2. The Procuring Entity hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
3. IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Kenya on the day, month and year indicated above.

### **For and on behalf of the Procuring Entity**

Signed: \_\_\_\_\_ *[insert signature]*

in the capacity of \_\_\_\_\_ *[insert title or other appropriate designation]* In the presence of \_\_\_\_\_

\_\_\_\_\_ *[insert identification of official witness]* **For and on behalf of the Supplier**

Signed: \_\_\_\_\_ *[insert signature of authorized representative(s) of the Supplier]* in the capacity of \_

\_\_\_\_\_ *[insert title or other appropriate designation]* in the presence of \_

\_\_\_\_\_ *[insert identification of official witness]*

**FORM NO. 5 - PERFORMANCE SECURITY [Option 1 - Unconditional Demand Bank Guarantee]**

*[Guarantor letterhead]*

**Beneficiary:** \_\_\_\_\_ *[insert name and Address of Employer]*

**Date:** \_\_\_\_\_ *[Insert date of issue]*

**Guarantor:** \_\_\_\_\_ *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that \_\_\_\_\_ (hereinafter called "the Contractor") has entered into Contract No. \_\_\_\_\_ dated \_\_\_\_\_ with *(name of Employer)* \_\_\_\_\_ (the Employer as the Beneficiary), for the execution of \_\_\_\_\_ (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_ *(in words)*,<sup>1</sup> such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.
4. This guarantee shall expire, no later than the .... Day of ....., 2.....<sup>2</sup>, and any demand for payment under it must be received by us at the office indicated above on or before that date.
5. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months] [one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

---

*[Name of Authorized Official, signature(s) and seals/stamps]*

**Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.**

**FORM No. 6 - PERFORMANCE SECURITY [Option 2– Performance Bond]**

*[Note: Procuring Entities are advised to use Performance Security – Unconditional Demand Bank Guarantee instead of Performance Bond due to difficulties involved in calling Bond holder to action]*

*[Guarantor letterhead or SWIFT identifier code]*

**Beneficiary:** \_\_\_\_\_ *[insert name and Address of Employer]* **Date:** \_\_\_\_\_ *[Insert date of issue]*

**PERFORMANCE BOND No.:** \_\_\_\_\_

**Guarantor:** \_\_\_\_\_ *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. By this Bond \_\_\_\_\_ as Principal (hereinafter called “the Contractor”) and \_\_\_\_\_] as Surety (hereinafter called “the Surety”), are held and firmly bound unto \_\_\_\_\_] as Obligee (hereinafter called “the Employer”) in the amount of \_\_\_\_\_ for the payment of which sum well and truly to be made in the types and proportions of currencies in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
2. WHEREAS the Contractor has entered into a written Agreement with the Employer dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, for \_\_\_\_\_ in accordance with the documents, plans, specifications, and amendments thereto, which to the extent herein provided for, are by reference made part hereof and are hereinafter referred to as the Contract.
3. NOW, THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise, it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, in default under the Contract, the Employer having performed the Employer's obligations thereunder, the Surety may promptly remedy the default, or shall promptly:
  - 1) complete the Contract in accordance with its terms and conditions; or
  - 2) obtain a tender or tenders from qualified tenderers for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive Tenderers, arrange for a Contract between such Tenderer, and Employer and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the Balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term “Balance of the Contract Price,” as used in this paragraph, shall mean the total amount payable by Employer to Contractor under the Contract, less the amount properly paid by Employer to Contractor; or
  - 3) pay the Employer the amount required by Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.
4. The Surety shall not be liable for a greater sum than the specified penalty of this Bond.
5. Any suit under this Bond must be instituted before the expiration of one year from the date of the issuing of the Taking-Over Certificate. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors, and assigns of the Employer.
6. In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative,

this day \_\_\_\_\_ of \_\_\_\_\_ 20\_\_\_\_.

SIGNED ON \_\_\_\_\_ on behalf of \_\_\_\_\_

By \_\_\_\_\_ in the capacity of \_\_\_\_\_

In the presence of \_\_\_\_\_

SIGNED ON \_\_\_\_\_ on behalf of \_\_\_\_\_

By \_\_\_\_\_ in the capacity of \_\_\_\_\_

In the presence of \_\_\_\_\_

**FORM NO. 7 - ADVANCE PAYMENT SECURITY [Demand Bank Guarantee]**

[Guarantor letterhead]

**Beneficiary:** \_\_\_\_\_ [Insert name and Address of Employer]

**Date:** \_\_\_\_\_ [Insert date of issue]

**ADVANCE PAYMENT GUARANTEE No.:** \_\_\_\_\_ [Insert guarantee reference number]

**Guarantor:** [Insert name and address of place of issue, unless indicated in the letterhead]

1. We have been informed that \_\_\_\_\_ (hereinafter called "the Contractor") has entered into Contract No. \_\_\_\_\_ dated \_\_\_\_\_ with the Beneficiary, for the execution of \_\_\_\_\_ (hereinafter called "the Contract").

2. Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum \_\_\_\_\_ (in words \_\_\_) is to be made against an advance payment guarantee.

3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ (in words \_\_\_\_\_) <sup>1</sup> upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

- (a) has used the advance payment for purposes other than the costs of mobilization in respect of the goods; or
- (b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Contractor on its account number \_\_\_\_\_ at -----.

5. The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, or on the \_\_\_ day of \_\_\_\_\_, 2\_\_\_, <sup>2</sup> whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months] [one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

\_\_\_\_\_  
[Name of Authorized Official, signature(s) and seals/stamps]

**Note:** All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

<sup>1</sup>The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency of the advance payment as specified in the Contract.

<sup>2</sup> Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.



**FORM NO. 8 BENEFICIAL OWNERSHIP DISCLOSURE FORM  
(Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)**

**INSTRUCTIONS TO TENDERERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE FORM**

*This Beneficial Ownership Disclosure Form ("Form") is to be completed by the successful tenderer pursuant to Regulation 13 (2A) and 13 (6) of the Companies (Beneficial Ownership Information) Regulations, 2020. In case of joint venture, the tenderer must submit a separate Form for each member. The beneficial ownership information to be submitted in this Form shall be current as of the date of its submission.*

*For the purposes of this Form, a Beneficial Owner of a Tenderer is any natural person who ultimately owns or controls the legal person (tenderer) or arrangements or a natural person on whose behalf a transaction is conducted, and includes those persons who exercise ultimate effective control over a legal person (Tenderer) or arrangement.*

Tender Reference No.: \_\_\_\_\_ [insert identification  
no] Name of the Tender Title/Description: \_\_\_\_\_ [insert name of the  
assignment] to: \_\_\_\_\_ [insert complete name of Procuring Entity]

In response to the requirement in your notification of award dated \_\_\_ [insert date of notification of award] to furnish additional information on beneficial ownership: \_\_\_\_\_ [select one option as applicable and delete the options that are not applicable]

D) We here by provide the following beneficial ownership information.

**Details of beneficial ownership**

	Details of all Beneficial Owners		% of shares a person holds in the company Directly or indirectly	% of voting rights a person holds in the company	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes / No)
<b>1.</b>	Full Name		Directly----- ----- % of shares	Directly..... .....% of voting rights	1. Having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer: Yes ----No----  2. Is this right held directly or indirectly?:  Direct..... .....  Indirect..... .....	1. Exercises significant influence or control over the Company body of the Company (tenderer)  Yes ----No-- --  2. Is this influence or control exercised directly or indirectly?  Direct..... .....  Indirect..... ...
	National identity card number or Passport number					
	Personal Identification Number (where applicable)		Indirectly---- ----- % of shares	Indirectly----- % of voting rights		
	Nationality					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					

Details of all Beneficial Owners		% of shares a person holds in the company Directly or indirectly	% of voting rights a person holds in the company	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes / No)
2.	Full Name	Directly----- ----- % of shares  Indirectly---- ----- % of shares	Directly..... .....% of voting rights  Indirectly----- % of voting rights	1. Having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer: Yes ----No---- 2. Is this right held directly or indirectly?:  Direct..... .....  Indirect..... .....	1. Exercises significant influence or control over the Company body of the Company (tenderer) Yes ----No-- -- 2. Is this influence or control exercised directly or indirectly?  Direct..... .....  Indirect..... ...
	National identity card number or Passport number				
	Personal Identification Number (where applicable)				
	Nationality(ies)				
	Date of birth [dd/mm/yyyy]				
	Postal address				
	Residential address				
	Telephone number				
	Email address				
	Occupation or profession				
3.					
e.t					
.c					

II) Am fully aware that beneficial ownership information above shall be reported to the Public Procurement Regulatory Authority together with other details in relation to contract awards and shall be maintained in the Government Portal, published and made publicly available pursuant to Regulation 13(5) of the Companies (Beneficial Ownership Information) Regulations, 2020.(Notwithstanding this paragraph Personally Identifiable Information in line with the Data Protection Act shall not be published or made public). *Note that Personally Identifiable Information (PII) is defined as any information that can be used to distinguish one person from another and can be used to deanonymize previously anonymous data. This information includes National identity card number or Passport number, Personal Identification Number, Date of birth, Residential address, email address and Telephone number.*

III) In determining who meets the threshold of who a beneficial owner is, the Tenderer must consider a natural person who in relation to the company:

- (a) holds at least ten percent of the issued shares in the company either directly or indirectly;
- (b) exercises at least ten percent of the voting rights in the company either directly or indirectly;
- (c) holds a right, directly or indirectly, to appoint or remove a director of the company; or

(d) exercises significant influence or control, directly or indirectly, over the company.

What is stated to herein above is true to the best of my knowledge, information and belief.

Name of the Tenderer: ..... [insert complete name of the Tenderer] \_\_\_\_\_

Name of the person duly authorized to sign the Tender on behalf of the Tenderer: \*\* [insert complete name of person duly authorized to sign the Tender]

Designation of the person signing the Tender: ..... [insert complete title of the person signing the Tender]

Signature of the person named above: ..... [insert signature of person whose name and capacity are shown above]

Date this ..... [insert date of signing] day of..... [Insert month], [insert year]

Bidder Official Stamp

