KENYATTA UNIVERSITY TEACHING,

REFERRAL &RESEARCH HOSPITAL

(KUTRRH)

TENDER FOR SUPPLY AND DELIVERY OF

MEDICAL EQUIPMENT

TENDER NO:

KUTRRH/TNDR/G/011/SDME/2023-2024

CLOSING DATE: TUESDAY 21ST NOVEMBER,2023 AT 10:00 A.M.

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KENYATTA UNIVERSITY TEACHING, REFERRAL AND RESEARCH HOSPITAL (KUTRRH).

P.O BOX 7674-00100

NAIROBI.

Tender for Supply and Delivery of Medical Equipment.

TENDER NUMBER: KUTRRH/TNDR/G/011/SDME/2023-2024

1) NAME AND CONTACT ADDRESSES OF PROCURING ENTITY

Kenyatta University Teaching, Referral & Research Hospital.

Northern By-pass Road, Kahawa West Nairobi

P.O BOX 7674-00100 NAIROBI

CHIEF EXECUTIVE OFFICER, TEL: 1558

Email: procurement@kutrrh.go.ke

2) **Invitation to Tender (ITT) No *KUTRRH/TNDR/G/011/SDME/2023-2024***

3) **Tender Name: Tender for Supply and Delivery of Medical Equipment.**

INVITATION TO TENDER

PROCURING ENTITY: ***KENYATTA UNIVERSITY TEACHING, REFERRAL AND RESEARCH HOSPITAL (KUTRRH).***

CONTRACT NAME AND DESCRIPTION: ***Tender for Supply and Delivery of Medical Equipment.***

1. *Kenyatta University Teaching, Referral and Research Hospital (KUTRRH)* invites sealed tenders for the **Tender for Supply and Delivery of Medical Equipment.**

2. Tendering will be conducted under **open competitive method (national) from Local registered suppliers** *using* a standardized tender document. Tendering is open to all qualified and interested Tenderers.

3. **"Tenderers will be allowed to tender for all the items".**

4. Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours ***Kenyatta University Teaching, Referral and Research Hospital P.O. Box 7476-00100, Nairobi, located along Northern By-pass, Kahawa West, Administration Block First floor, and Procurement Department*** *during normal working hours(8:00a.m.-5:00p.m.).*

5. A complete set of documents may be purchased or obtained by interested tenders upon payment of a non-refundable fees of (***Kshs 1,000/-***) in cash or Banker's Cheque and payable to the address given below. Tender documents may be obtained electronically from the Website(s) www.kutrrh.go.ke. Tender documents obtained electronically will be free of charge.

6. Tender documents may be viewed and downloaded for free from the website www.kutrrh.go.ke Bidders who download the document from KUTRRH Website MUST register their interest immediately by sending an email to Main procurement@kutrrh.go.ke stating their names, email, postal and telephone address to facilitate any further clarification or addendum.

7. All Tenders *must be accompanied by* ***a "tender Security" of 2% of Total Tender Sum***

8. The Tenderer shall chronologically serialize all pages of the tender documents submitted.

9. Completed tenders must be delivered to the address below on or before **Kenyatta University Teaching, Referral and Research Hospital**, Main Hospital Building, Ground Floor so as to be received on or before ***Tuesday 21st November, 2023 at 10:00 AM.*** Electronic Tenders ***will not*** be permitted.

10. Tenders will be opened immediately after the deadline date and time specified above or any dead line 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.

11. Late tenders will be rejected.

12. The addresses referred to above are:
Address for obtaining further information and for purchasing tender documents
Kenyatta University Teaching, Referral & Research Hospital.
Northern By-pass Road, Kahawa West Nairobi
P.O BOX 7674-00100 NAIROBI
CHIEF EXECUTIVE OFFICER, telephone number: 1558 and Email procurement@kutrrh.go.ke

A. Address for Submission of Tenders.

(1) Kenyatta University Teaching, Referral & Research Hospital.

(2) Northern By-pass Road, Kahawa West Nairobi

(3) P.O BOX 7674-00100 NAIROBI

(4) CHIEF EXECUTIVE OFFICER, telephone number: 1558 and Email procurement@kutrrh.go.ke

B. Address for Opening of Tenders.

2. Kenyatta University Teaching, Referral & Research Hospital.

3. Northern By-pass Road, Kahawa West Nairobi P.O BOX 7674-00100 NAIROBI

KUTRRH adheres to high standards of integrity in its business operations.

Report any unethical behavior immediately to any of the provided anonymous hotline service.

[Authorized Official (name, designation, Signature and date)]
Name: Chief Executive Officer
Tel: 1558

Date: 31st October, 2023

PART 1 - TENDERING PROCEDURES

SECTION I: INSTRUCTIONS TO TENDERERS

A General Provisions

1. Scope of Tender

1.1 KUTRRH 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 KUTRRH 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 KUTRRH 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, KUTRRH 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 *(spouses, 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 ofthe 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 KUTRRH 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 KUTRRH 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 KUTRRH (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 KUTRRH throughout the Tendering process and execution of the Contract.

3.4 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.

3.5 A firm that is a Tenderer (either individually or as a JV member) shall not sub mit 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.

3.6 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.

3.7 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

3.8 Tenderers that are state-owned enterprises or institutions may be eligible to compete and be awardeda 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.

3.9 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 decisionof 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 KUTRRH 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 KUTRRH 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.

3.11 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.

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 KUTRRH is not part of the tendering document.

5.3 Unless obtained directly from the Procuring Entity, KUTRRH 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.

5.4 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

6.1 A Tenderer requiring any clarification of the Tender Document shall contact KUTRRH in writing at KUTRRH address specified in the **TDS** or raise its enquiries during the pre-Tender meeting if provided for in accordance with ITT 6.4. KUTRRH 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. KUTRRH 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,** KUTRRH 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, KUTRRH shall amend the Tender Documents following the procedure under ITT 7.

6.2 KUTRRH 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.

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

6.4 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.

6.5 KUTRRH 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 KUTRRH 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

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

7.2 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 KUTRRH in accordance with ITT 6.3. KUTRRH shall also promptly publish the addendum on KUTRRH web page in accordance with ITT 7.1.

7.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, KUTRRH 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

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

9. Language of Tender

9.1 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

10.1 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**.

10.2 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.

10.3 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

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

13. Tender Prices and discounts

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

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

13.3 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.

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

13.5 Prices quoted by the Tenderer shall be fixed during the performance of the Contract and not subjectto 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.

13.6 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.

13.7 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.

13.8 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 comparisonof Tenders by the Procuring Entity. This shall not in any way limit KUTRRH 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 andraw 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

14.1 The currency(ies) of the Tender, the currency (ies) of award and the currency (ies) of contract payments shall be the same**.**

14.2 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.

14.3 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

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

15.2 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.

15.3 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.

15.4 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.

15.5 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by KUTRRH 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 KUTRRH 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

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

16.2 The documentary evidence of the Tenderer qualifications to perform the Contract if its Tender is accepted shall establish to KUTRRH 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

17.1 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 KUTRRH in accordance with ITT 21.1). A Tender valid for a shorter period shall be rejected by KUTRRH as non-responsive.

17.2 In exceptional circumstances, prior to the expiration of the Tender validity period, KUTRRH 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.

17.3 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

18.1 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.**

18.2 A Tender Securing Declaration shall use the form included in Section IV, Tendering Forms.

18.3 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.

18.4 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 Kenyato make it enforceable unless KUTRRH 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 Securityshall be submitted either using the Tender Security Form included in Section IV, Tendering Forms, or in another substantially similar format approved by KUTRRH 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.

18.5 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 KUTRRH as non-responsive.

18.6 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.KUTRRH 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.

18.7 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.

18.8 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.

18.9 Where tender securing declaration is executed, KUTRRH 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

19.1 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.

19.2 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.

19.3 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 consistof 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.

19.4 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.

19.5 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

20.1 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 numberof the Tender, addressed to KUTRRH 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.

20.2 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.

20.3 Where a tender package or container cannot fit in the tender box, KUTRRH 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.

20.4 If an envelope or package or container is not sealed and marked as required, KUTRRH will assumeno 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 KUTRRH 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**.

21.2 KUTRRH 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 KUTRRH and Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

22. Late Tenders

22.1 KUTRRH shall not consider any Tender that arrives after the deadline for submission of Tenders. Any Tender received by KUTRRH 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

23.1 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 KUTRRH prior to the deadline prescribed for submission of Tenders, in accordance with ITT 22.

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

23.4 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

24.1 Except as in the cases specified in ITT 23, KUTRRH 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.**

24.2 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 authorizationto request the withdrawal and is read out at Tender opening.

24.3 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.

24.4 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.

24.5 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; andany other details as KUTRRH may consider appropriate.

24.6 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 KUTRRH to sign shall be specified in the **TDS.**

24.7 KUTRRH shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 22.1).

24.8 KUTRRH 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.

24.9 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 KUTRRH 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 KUTRRH on any matter related to the Tendering process, it should do soin writing.

26. Clarification of Tenders

26.1 To assist in the examination, evaluation, comparison of the Tenders, and qualification of the Tenderers, KUTRRH 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 KUTRRHshall not be considered. KUTRRH 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 KUTRRH 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 KUTRRH 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 KUTRRH 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, KUTRRH 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.

28.2 KUTRRH 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.

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

29. Non-conformities, Errors and Omissions

29.1 Provided that a Tender is substantially responsive, KUTRRH may waive any non-conformities in the Tender.

29.2 Provided that a Tender is substantially responsive, KUTRRH 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 withthe request may result in the rejection of its Tender.

29.3 Provided that a Tender is substantially responsive, KUTRRH 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, KUTRRH shall use its best estimate.

30. Arithmetical Errors

30.1 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.

30.2 Provided that the Tender is substantially responsive, KUTRRH 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.

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

31. Conversion to Single Currency

31.1 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

32.1 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.

32.2 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.

32.3 A margin of preference shall not be allowed unless it is specified so in the **TDS**.

32.4 Contracts procured on basis of international competitive tendering shall not be subject to reservations to specific groups s as provided in ITT 32.5.

32.5 Where it is intended to reserve a contract to a specific group of businesses (these groups are Smalland 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 KUTRRH 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. By applying the criteria and methodologies, KUTRRH shall determine the Lowest Evaluated Tender. This is the Tenderof 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, KUTRRH 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 basedon 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 KUTRRH 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 KUTRRH'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 KUTRRH 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 KUTRRH 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, KUTRRH 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 KUTRRH determines that the Tenderer has failed to demonstrate its capability to perform the contract for the offered Tender price, KUTRRH 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 KUTRRH is concerned thatit (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, KUTRRH 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. KUTRRH may also seek written clarification from the tenderer on the reason for the high tender price. KUTRRH shall proceed as follows:

i) If the tender price is abnormally high based on wrong estimated cost of the contract, KUTRRH may accept or not accept the tender depending on KUTRRH budget considerations.

ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, KUTRRH 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 KUTRRH determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised (*often due to collusion, corruption or other manipulations*), KUTRRH 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 KUTRRH 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.

37.2 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.

37.3 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 KUTRRH 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, KUTRRH 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. KUTRRH's Right to Accept Any Tender, and to Reject Any or All Tenders.

39.1 KUTRRH 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 andall Tenders submitted and specifically, tender securities, shall be promptly returned to the Tenderers.

F. Award of Contract

40. Award Criteria

40.1 KUTRRH 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. KUTRRH'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 KUTRRH 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 KUTRRH has transmitted to each Tendererthe Notification of Intention to Enter into a Contract to the successful Tenderer.

44. Debriefing by the Procuring Entity

44.1 On receipt of KUTRRH Notification of Intention to Enter into a Contract referred to in ITT 41, an unsuccessful tenderer may make a written request to KUTRRH for a debriefing on specific issues or concerns regarding their tender. KUTRRH 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, KUTRRH 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 21days 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, KUTRRH 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 KUTRRH 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 KUTRRH 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, KUTRRH shall publish and publicize the awarded contractat its notice boards, entity website; and on the Website of the Authority in manner and format prescribedby 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
A. General	
ITT 1.1	The reference number of the Invitation for Tenders is: ***KUTRRH /TNDR/G/011/SDME/2023-2024*** The Procuring Entity is: ***KENYATTA UNIVERSITY TEACHING, REFERRAL & RESEARCH HOSPITAL (KUTRRH)*** The name of the Contract is: ***Tender for Supply and Delivery of* Medical *Equipment*** The number and identification of lots (contracts) comprising this Invitation for Tenders is ***KUTRRH /TNDR/G/011/SDME/2023-2024***
ITT 3.1	Maximum number of members in the Joint Venture (JV) shall be: ***[N/A]***
ITT 3.7	A list of debarred firms and individuals is available on the PPRA's website: www.ppra.go.ke
ITT 3.11	**Tenderers shall be required to be to be registered with :N/A**
	B. Contents of Tendering Document
ITT 6.1	(a) Address where to send enquiries is procurement@kutrrh.go.ke to reach the Procuring Entity not later than **14th November,2023 at 11:00am**. (b) The Procuring Entity publish its response at the website www.kutrrh.go.ke
ITT 6.2	A pre-tender conference will **NOT BE HELD**
ITT 6.3	**The questions to reach the Procuring Entity not later than 14th November, 2023 at 11:00am**
ITT 6.5	The Minutes of the Pre-Tender meeting shall be published on the at the website: N/A
	C. Preparation of Tenders
ITT 10 (j)	The Tenderer shall submit the following additional documents in its Tender: ***[list any additional documents not already listed in ITT 11.1 that must be submitted with the Tender]***
ITT 12.1	Alternative Tenders ***"shall not be"*** considered.
ITT 13.5	The prices quoted by the Tenderer **"shall not"** be subject to adjustment during the performance of the Contract.
ITT 13.6	Prices quoted for each lot (contract) shall correspond at least **to *[insert figure*]** percent of the items specified for each lot (contract). **Prices quoted for each item of a lot shall correspond at least to *[insert figure]* percent of the quantities specified for this item of a lot.**
ITT 13.8 (a) (i) and (iii)	Place of final destination: ***Kenyatta University Teaching, Referral & Research Hospital.*** ***Northern By-pass Road, Kahawa West Nairobi*** ***P.O BOX 7674-00100 NAIROBI***
ITT 13.8 (a) (iii)	Final Destination (Project Site): ***Kenyatta University Teaching, Referral & Research Hospital.*** ***Northern By-pass Road, Kahawa West Nairobi***

ITT Reference	Particulars Of Appendix To Instructions To Tenders
	P.O BOX 7674-00100 NAIROBI
ITT 13.8 (b) (i)	Named place of destination, in Kenya is_____***Kenyatta University Teaching, Referral & Research Hospital.*** ***Northern By-pass Road, Kahawa West Nairobi*** ***P.O BOX 7674-00100 NAIROBI*** _ _ _
ITT 13.8 (b) (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 which is KUTRRH's premises.
13.8 (c) (iv)	The place of final destination (Project Site) is ***Kenyatta University Teaching, Referral & Research Hospital.*** ***Northern By-pass Road, Kahawa West Nairobi*** ***P.O BOX 7674-00100 NAIROBI***
ITT 14.2	Foreign currency requirements **allowed (USD only).**
ITT 15.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts): ***[5 years*]**
ITT 16.2 (a)	Manufacturer's authorization is: ***"required"***
ITT 16.2 (b)	After sales service is: ***"required"***
ITT 17.1	The Tender validity period shall be ***[180]*** days.
ITT 17.3	(a) The Number of days beyond the expiry of the initial tender validity period will be 30 days. (b) The Tender price shall be adjusted by the following percentages of the tender price: *(i)* By 0% of t*he local currency portion of the Contract price adjusted to reflect local inflation during the period of extension, and* *(ii) By 0% the foreign currency portion of the Contract price adjusted to reflect the international inflation during the period of extension.*
ITT 18.1	***[If a Tender Security shall be required,*** A *Tender Security* ***["shall be"*]** required. A Tender-Securing Declaration **[*insert "shall be" or "shall not be*"]** required. If a Tender Security shall be required, the amount and currency of the Tender Security shall be **2% of Total Tender Sum.**
ITT 19.1	In addition to the original of the Tender, the number of copies is**: *1 copy.***
ITT 19.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of**: *Power of Attorney.***
	D. Submission and Opening of Tenders
ITT 21.1	For **Tender submission purposes** only, the Procuring Entity's address is: ***Kenyatta University Teaching, Referral & Research Hospital.*** ***Northern By-pass Road, Kahawa West Nairobi*** ***P.O BOX 7674-00100 NAIROBI*** ***CHIEF EXECUTIVE OFFICER, TEL: 1558*** ***Email: procurement@kutrrh.go.ke*** **The deadline for Tender submission is:** Date: ***Tuesday 21st November, 2023*** Time: ***10:00AM (Kenyan Time)*** tenderers ***"shall not"*** have the option of submitting their Tenders electronically.

ITT Reference	Particulars Of Appendix To Instructions To Tenders
ITT 24.1	The Tender opening shall take place at: **Attention:** ***Chief Executive Officer*** Kenyatta University Teaching, Referral & Research Hospital. Northern By-pass Road, Kahawa West Nairobi P.O BOX 7674-00100 NAIROBI CHIEF EXECUTIVE OFFICER, TEL: 1558 Email: procurement@kutrrh.go.ke Date: ***Tuesday 21st November, 2023*** Time: ***10:00AM (Kenyan Time)***
ITT 24.6	The number of representatives of the Procuring Entity to sign is One (1).
E. Evaluation and Comparison of Tenders	
ITT 29.3	The manner of rectify quantifiable nonmaterial nonconformities described below:
ITT 31.1	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: ***[US Dollars]*** The source of exchange rate shall be: ***[the Central Bank in Kenya.]*** The date for the exchange rate shall be***: [Tuesday 21st November, 2023 10.00AM.].***
ITT 32.3	A margin of preference and/or reservation ***["shall not"]*** apply and specify the details. If a margin of preference applies, the application methodology shall be defined in Section III – Evaluation and Qualification Criteria.
ITT 32.5	The invitation to tender is extended to the following group that qualify for Reservations NONE who shall be duly registered with_____ *(These groups are Small and Medium Enterprises, Women Enterprises, Youth Enterprises and Enterprises of persons living with disability, as the case may be; describe precisely which group qualifies).*
ITT 33.2	**Price evaluation will be done for The whole tender**
ITT 33.2 (d)	Additional evaluation factors are
ITT 33.6	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: ***[refer to Section III, Evaluation and Qualification Criteria; insert complementary details if necessary]*** ***(a)*** Deviation in Delivery schedule: ***[No]*** ***(b)*** Deviation in payment schedule: ***[No.]*** ***(c)*** the cost of major replacement component, mandatory spare parts, and service: ***[Yes]*** ***(d)*** the availability in Kenya of spare parts and after-sales services for the equipment offered in the Tender ***[Yes]*** ***(e)*** Life cycle costs: the costs during the life of the goods or equipment ***[Yes or No. If yes, insert the Methodology and criteria in Section III, Evaluation and Qualification Criteria]*** ***(f)*** the performance and productivity of the equipment offered; *[Insert* ***Yes or No. If yes, insert the Methodology and criteria]***
	F. Award of Contract
ITT 41.1	The maximum percentage by which quantities may be increased is: ***[15%]*** The maximum percentage by which quantities may be decreased is: ***[15%]***
ITT 41.1	The Procuring Entity shall increase or decrease the quantity of Goods and Related Services by an amount not exceed 15% and without any change in the unit prices or other terms and conditions of the Tender and the tendering document.
ITT 47.3	Performance security if so required shall be in the sum of 10% of Contract Sum

ITT Reference	Particulars Of Appendix To Instructions To Tenders
ITT 49.1	The procedures for making a Procurement-related Complaint are detailed in the "Notice of Intention to Award the Contract" herein and are also available from the PPRA Website www.ppra.go.ke. 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 email or fax), to: For the attention: *Chief Executive Officer* Title/position: *[insert title/position]* Procuring Entity: *KUTRRH* Email address*: info@kutrrh.go.ke* In summary, a Procurement-related Complaint may challenge any of the following: **1.** the terms of the Tendering Documents; and **2.** the Procuring Entity's decision to award the contract.

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

A	**PRELIMINARY EVALUATION/ MANDATORY REQUIREMENT**	**REMARKS**
A1	Copy of Certificate of Incorporation/Registration Certificate	YES/NO
A2	Copy of Valid Current KRA TAX Compliance Certificate subject to TCC Checker	YES/NO
A3	Copy of PIN/VAT Certificate from KRA indicating relevant tax obligation(s)	YES/NO
A4	Copy of certified current CR12/CR13 (Generated within the last one (1) months) from date of tender advertisement	YES/NO
A5	Submit a copy of current business License of where the business is Located	YES/NO
A6	Submit tender security 2% of total tender sum valid for a period of 180 days from date of tender opening	YES/NO
A7	Bid submitted in two copies clearly marked "Original" and "copy"	YES/NO
A8	Bidder must Submit a Duly Filled, signed and stamped confidential business questionnaire	YES/NO
A9	Bidder must Submit a copy of certified manufacturer's authorization certificate/Letter	YES/NO
A10	Bidder must Submit a written declaration that the bidder has not been debarred from participating in public procurement	YES/NO
A11	All pages of the tender documents (including attachments) MUST be sequentially serialized. The Page numbers on the Original Tender document MUST correspond with the page numbers on the copy of the tender document.	YES/NO
A12	Duly filled, signed and stamped Form of Tender	YES/NO
A13	Bidders must submit audited accounts for the last three (3) years: 2020,2021 and 2022	YES/NO
A14	Duly completed and signed price schedule	YES/NO
	NOTE	
	BIDDERS WHO QUALIFY MANDATORY CRITERIA WILL PROCEED TOTHE TECHNICAL EVALUATION STAGE	
B	**TECHNICAL REQUIREMENTS**	**MARKS**

GATUNDU TOWER II EQUIPMENT SPECIFICATIONS II

SPECIFICATIONS

1. Ventilator – Qty 6

VENTILATOR SPECIFICATIONS FOR ADULT/PAEDIATRIC

a) Power Requirement

1) Input power 100-240V a.c 50Hz/60 Hz
2) Back up: Rechargeable Battery with at least 2hrs working time

b) Gas Supply

1) Oxygen supply pressure 3 – 4 bar
2) Air Supply Integrated compressor
3) At least 5 meters oxygen hose
4) British Standard oxygen probe

c) Ventilation - (**10 Marks**)

(i) Modes and monitoring

1) Pressure control
2) Volume control
2) SIMV with Pressure Support
3) Spontaneous - CPAP
4) Non-Invasive Ventilation

(ii) Parameters (**30 Marks**)

1) Tidal Volume 20ml – 2000ml
2) Frequency 0 - 150bpm
3) Pressure 3 – 90cmH2O

(iii) Monitoring -(**5 Marks**)

1) Respiratory rate (spontaneous and mandatory)
2) Minute ventilation (spontaneous and mandatory)
3) Flow-volume, pressure-volume loops
4) Pressure-t, Volume-t and Flow-t waveforms
5) Tidal Volume (Insp &Exp)
6) Pressure (peak, mean, base)
7) I: E Ratio
8) FiO2
9) PEEP

d) Controlled Parameters (**30 Marks**)

1) O2% 21-100% (Increments of 1%) Accuracy - ± (3vol.% +1% of Setting)
   Flow rate 4-60L/min, Accuracy - ± (2L/min+10% of Setting)
2) TV (Tidal Volume) Adult: 100 to 4000 mL
   Pediatric: 20 to 300 mL
3) F (Ventilation frequency) Adult / Pediatric: 0 to 100 /min.
4) I: E 1:10 to 4:1
5) Tinsp (Inspiratory time) 0.10 to 10.00 s
6) Flow Adult: 6 to 180 L/min
   Pediatric: 6 to 30 L/min

e) Audio-visual alarms for the following (**5 Marks**)

1) High and low airway pressure
2) Leakage/disconnection
3) Apnea
4) Power failure
5) Low battery
6) Warning indicator for the last 30 minutes of backup power remains.
7) Device malfunction

f) User Interface (**5 Marks**)

1) Screen - Graphic electro illumines cent display
-Touch operation (touch screen)
2) Displayed Monitored Values
3) Inspired volumes
4) Expired volumes
5) Actual I:E ratios
6) Graphs and loops
7) The ventilator must have an integrated nebulizer
8) The ventilator must have a humidifier

g) Trend & Record

1) Type -Tabular, Graphic
2) Length – over 60 hours
3) Content - Monitor Parameters
4) Logs – At least 20000
5) Screen Capture – 500

h) Adjustable alarms for at least (**5 Marks**)

1) low/high inspiratory tidal volume
2) Low/high airway pressure
3) Low/high Respiratory rate
4) Silence/Reset knob
5) Leakage/disconnection
6) Power failure adjustable value
7) Low battery adjustable value
8) Device malfunction

h) Accessories / General Information (**5 Marks**)

1) 10 sets of NCPAP attachments and tubing
2) Operator/Instruction Manual (hard copy & DVD)
3) Technical/Service Manual (hard copy & DVD)
4) ventilator must be supplied with a 5 arm (star) Roller stand with at least 2 lockable castors.
5) Ambient temperature of 0 - 50 C and relative humidity of 15 -90%
6) warranty period should be a minimum of Two year from the date of successful installation and Commissioning.
7) Service and repair facilities should be available locally with at least one or more factory trained Biomedical Engineer (share Factory Trained certificate).
8) Startup kit must be provided.
9) Supplier must provide Two Biomedical Factory training.
10) Supplier must facilitate machine integration into HMIS at no extra cost.

i) Safety and Standards (**5Marks**)

1) Must comply with international safety regulation standards, have a US Food and Drug Administration 510(k) market approval, and carry a CE Mark.
2) Product should be CE certified according to directive 93/42/EEC for medical device and its amendments.
3) Manufacturer must have ISO certification for quality standards.

Pass Mark 85%

2. Patient Monitor (CARDIAC) MONITOR TECHNICAL SPECIFICATIONS (modular)- 7 functions Qty – 6.

a) User Interface:

1) 12" - 22" or bigger TFT LCD, Touch Screen, quick access menu and hard keys for easy use (**5 Marks**)
2) Menu structure and fixed keys
3) At least 3 waveforms including ECG, SpO2 and RESP (**5 Marks**)
4) Alarm levels -Life-threatening, serious, and advisory, Adjustable by user.
5) Indicator LEDs - power, alarm, charge (**5 Marks**)
6) Patient monitor must be in modular and should have 7 functions (**5 Marks**)

b) Standard Parameters: must have modular

1) 3 and 5 leads ECG, (**5 Marks**)
2) Patient monitor's Modules can be used as transport monitors. (**5 Marks**)
3) Respiration,
4) Heart Rate, (**2.5 Marks**)
5) Basic Arrhythmia,
6) SpO2, analysis (**5 Marks**)
7) Pulse rate (**2.5 Marks**)
8) Non-Invasive Blood Pressure
9) Temperature analysis (**5 Marks**)
10) At least 2 Invasive Blood Pressure measurements
11) ETCO2 (**5 Marks**)

c) Printer: -Inbuilt, with up to 3 traces.

d) Monitoring Capability: -Neonatal, pediatric, and adult applications (ECG, SPO2, $EtCO_2$, Temp, NIBP, IBP) and with Audible and visual alarms, adjustable alarm ranges (**5 Marks**)

e) Accessories: Monitor must be supplied with:

1) Accessories for all specified parameters
2) Operator/Instruction Manual (Both hard and soft copies)
3) Technical/Service Manual (Both hard and DVD copy) (**5 Marks**)

f) Mounting Option: - Wall mount or 5 arm (star) Roller stand with at least 2 lockable castors (**5 Marks**)

g) Information Management Capabilities:

1) Data storage 120 hours or better
2) Data resolution 60 seconds
3) Trend tables 1, 5, 15, 30 or 60 minutes
4) Trend graphs 1, 2, 4, 8 or 12-hour display
5) Networkable with central monitoring system and HMIS (**5 Marks**)
6) Scanning Speed (mm/sec): 6.25, 12.5, 25, 50
7) Frequency Response: 0.05-100Hz
8) Heart Rate Accuracy: ±1%

h) Power Requirements:

1) Rated Voltage 100 - 240V a.c 50Hz /60HZ (**5 Marks**)
2) Battery type Rechargeable (**5 Marks**)

3) Battery capacity 120 minutes

i) Standards: Monitor should comply with IEC 60601-1, Medical Devices Directive (MDD) 93/42 EEC and bear the CE mark. (**5 Marks**)

j) Manufacture's authorization**. (5 Marks)**

k) Monitor must be supplied with at least 2 years' warranty **(5 Marks)**

l) Supplier must provide user training during installation

m) Supplier must provide one Biomedical Factory training.

n) Startup kit must be provided (100 Pcs of Chest Electrode) **(5 Marks)**

o) Supplier must facilitate machine integration into HMIS at no extra cost.

Pass Mark 85%

3. Central Monitoring – <u>SPECIFICATONS - Qty 1</u>

		General description
		The Central monitoring unit should be capable of monitoring the following parameters adults, neonatal and paediatrics at both bedside and centrally
		• SpO2, analysis (**5 Marks**)
		• Temperature (**5 Marks**)
		• Blood pressure both NIBP and IBP (**5 Marks**)
		• ECG – 3 leads and 5 leads available and configured (**5 Marks**)
		• Respiration
		• Pulse rate (**5 Marks**)
		• Etco2 (**5 Marks**)
		• Cardiac Output
		• Heart Rate, (**5 Marks**)
		• Number of waveforms up to 7
		Composition
		Central workstation with CPU and software (**5 Marks**)
		Printer compatible with local printer cartridges included (**5 Marks**)
		UPS (3KVA) (**5 Marks**)
		Performance specifications
		Central workstation - The unit should be a model on current production composed of a CPU and display screen.
		Display screen
		Size – minimum 21" touch screen or bigger
		Type – LED, colour, with navigation rotary knob
		Parameters - capable of displaying all vital signs in graphic waveform and parameters emanating from the bedside monitors,
		Real time – displays real time vital signs parameters
		Alarm limit can be set on the screen
		CPU
		Core **I 5 - 7** processor of **3.2 GHz** or better (**10 Marks**)
		OS windows 7 or 10 32 bits or 64 bits (**5 Marks**)

		Memory of **8GB** or better (**5 Marks**)
		Hard disk – Minimum 4 TB or bigger (**5 Marks**)
		Standard 101 USB keyboard and mouse compatibility (**5 Marks**)
		Internal and External Audio speakers included (**5 Marks**)
		Performance – complete with hardware and windows-based software for networking and displaying vital signs form all the monitors to the central monitor, by both wireless and wired technology.
		Software 16 patients or more (**5 Marks**)
		Pre-installed in the CPU,
		Capable of analysis and displaying waveform and parameters from all the monitors connected,
		Capable of monitoring bedside monitors parameters through wired and wireless technology,
		Capable of displaying MRI, CT, X-ray images in DICOM format
		DICOM compatible & can also access internet and able to integrate with hospital HMIS (**5 Marks**)
		Manufacture's authorization. (**5 Marks**)
		Supplier to Quote all software's, Licences, trunking and installation up to commissioning and **NB - network all patient monitors available in place**

Pass marks 85%

4. ECG Machine – Qty 3

Features:

- Ergonomic look and simple layout to achieve user's satisfaction:
- Approx. 8- 12-inch LCD screen with 800*400 high resolution
- Frosted membrane keyboard. Typing and editing be as easy and comfortable
- Optional touch bars for users with different operating preferences
- Built-in thermal printer and external USB printer supported.
- On-screen full preview
- Barcode scanner supported to Shorten the time of information input.
- Retrieve history record on screen for at most 800 copies.
- Hot keys for common-used functions
- Re-analyze and generate a new report once the patient information is modified.
- Device configuration to print/export/import to HMIS.
- Pediatric-friendly.
- World top-level algorithm: Glasgow. Use more variables than usual for analysis with higher accuracy. (Age, gender, race, etc.)
- Pacemaker detection. Prevent potential misinterpretation from missing the pacer information.
- Six Critical Values for typical Arrhythmias to allow users to notice issues in time.
- Rechargeable 4500 mAh Li-ion battery that can enable a longer working time.
- Wired/wireless transfer of patient's record to ECG management system for sharing/further analysis
- Multi-format exports available

Specification

- Portable and a trolley with castors – two castors lockable **– 5 marks**
- 12 channels **– 30 marks**
- Approx. 8 – 10-inch LCD screen or bigger**– 5 marks**
- Paper size; A4 or paper available in Kenyan market easily**– 5marks**
- Internal storage: Approx. 1000 ECGs or better**– 10 marks**
- Battery: Approx. 4500mah li-ion or better **– 10 marks**
- Can work on battery for 30mins or better.
- Power supply: 100 - 240V,50Hz **– 5marks**
- CE/FDA - Compliance
- Manufacturer Must have ISO certification for quality standards. **- 2.5 marks**
- 2 years Warranty**– 5 marks**
- User & Technical training **– 2.5 marks**

<u>Accessories</u> **– 15 marks**

- 1 unit Of ECG Cable -
- 1 Set of Bulb Electrode
- 1 set of chests electrodes.
- 1 Set Clamp Electrode
- 1 number of Power Cable
- ECG paper – 5 rolls start up.
- Gel – 2 tubes
- User Guide

Safety and Standards - 5Marks

1) Must comply with international safety regulation standards, have a US Food and Drug Administration 510(k) market approval, and carry a CE Mark.

2) Product should be CE certified according to directive 93/42/EEC for medical device and its amendments.

3) Manufacturer must have ISO certification for quality standards.

Pass Mark 85%

5. – Syringe Pump. Technical Specifications - Qty 12

Technical data

Physical specification	
W×H×D:	Approx. 295 x 87x 174 (mm)
Net weight:	Approx. <2.5kg, Stackable
Classification:	Type CF, Defibrillation-proof, Class I
Display	
Screen:	3.5" TFT color LCD, 16: 9 format.
Brightness:	1-8 levels adjustable, default is level 4
Information:	Delivery rate, current infusion, VTBI, total volume, syringe size, syringe brand, pressure limit, battery capacity, drugs,
	remaining time, alarms
CPU type	Dual-CPU (**20Marks)**
Syringe selection	5,10,20,30,50/60ml (**30Marks)**
	Pre-configured 3 syringe brands, including BD, B. Braun, Terumo
	User-defined syringe brands and quantity possible by PC tool, Brand 1 and Brand 2 as default.
	Automatic recognition of syringe size and fixation
Basic parameters	
Mode:	6 modes: Rate mode, Time mode, Body weight mode, Ramp up/ down mode, Sequential mode,
	Micro-infusion mode
Flow rate:	5ml: 0.1-100ml/h, 10ml: 0.1-200ml/h, 20ml: 0.1-400ml/h, 30ml: 0.1-600ml/h, 50/60ml: 0.1-1500ml/h (**10Marks)**
Increment:	0.01ml (0.1-99.99ml/h), 0.1ml(100-999.9ml/h), 1ml(1000-1500ml/h)
Preset volume (VTBI):	0.10-9999.99ml (increment 0.01ml)
Preset time:	00:00:01-99:59:59(h: m: s) adjustable
Accumulated volume:	0.01-9999.99ml (increment 0.01ml) (**10Marks)**
KVO:	0.1-5.0ml/h adjustable, step 0.1ml/h, default is 1.0 ml/h
Purge:	0.10-1500ml/h (depending on syringe size)
Accuracy	(**10Marks)**
	Flow rate ≥1ml/h: Accuracy ≤±2%

	Flow rate < 1ml/h: Accuracy ≤±5%
Bolus	
Bolus rate:	Automatic/Manual Bolus: 0.10-1500ml/h (depending on syringe size)
	Default Bolus rate: 5ml: 100 ml/h, 10ml: 200 ml/h, 20ml:400 ml/h,30ml: 600 ml/h, 50/60ml: 800ml/h
Preset bolus volume:	Preset automatic Bolus volume: 0.10-9999.99ml (**5Marks)**
Function spectrum	
	Automatic calculation of the delivery rate based on different modes
	Infusion pause/standby: preset parameters remain stored
	Drug library up to 2000 drugs," ON "and "OFF" selectable; use-defined drug list available
	History records up to 2000, data could be transmitted to PC and saved as EXCEL format to print out.
	Titration function: change flow rate during infusion with increment 0.01ml/h
Language	11 languages: English, Spanish, French, Russian, Turkish, Portuguese, Bulgarian, Czech, Polish, Romanian Chinese
Safety system	
Occlusion pressure:	4 Pressure unit: mmHg/kPa/bar/psi selectable, auto conversion in different units, default is mmHg
	11 levels occlusion pressure, 150-975 mmHg selectable, ±15% as accuracy, default is 450mmHg

Auto data lock:	"ON" and "OFF"
	"ON": 1-5min. selectable, step 1 min, default is "OFF"
Anti-bolus:	Automatic reduction of the bolus volume following pressure alarm
Alarm (**5Marks)**	
Alarm type:	Visual and acoustic alarms
	High: occlusion, battery empty, VTBI done, syringe empty, syringe disengaged, KVO finish, system error
	Middle: Standby time expired system abnormal
	Low: syringe near empty, Reminder, no battery, battery low, VTBI near done, no AC
Alarm volume:	1-8 levels selectable, default is level 4
Pre-alarms:	1-30min. before syringe is empty, 3 min. before battery is completed, 30 min. as low battery
Reminder:	"ON" and "OFF"
	"ON": 1-5min. selectable, step 1 min.
Battery (**5Marks)**	
	Operating time > 10 hrs. @ 5ml/h
	Recharging time ≤ 6 hrs. for 100% of the capacity
Interface	
	RS232
	Nurse call connector
	DC adapter connector
Power supply	100-240V~, 50/60Hz, 0.53-0.28A; DC Voltage:10V-16V, 2.25A-1.5A
Environmental requirement	
Temperature:	5～40ºC for operating, -20～60ºC for storage
Humidity:	15～95% for operating, 10～95% for storage
Air pressure:	57～106kPa for operating, 50～106kPa for storage
Water-proof:	IP23
Lifetime	>5 years under continuous duty conditions
Mode's specifications	(**5Marks)**
Flow rate mode:	VTBI: 0.10-9999.99ml; Rate: 5ml: 0.1-100ml/h; 10ml: 0.1-200ml/h; 20ml: 0.1-400ml/h;
	30ml: 0.1-600ml/h; 50/60ml: 0.1-1500ml/h
Time mode:	VTBI: 0.10-9999.99ml; Time: 00:00:01-99:59:59 (h: m: s)
Body weight mode:	Weight: 0.1-300.0kg or 0.1-660.8lb, kg/ lb. selectable, Drug-Amount: 0.1-999.9, g/mg/ug/ng/IU selectable, default is mg;
	Volume: 0.10-9999.99ml;
	Dose: 0.01-999.99; Dose unit: mg, ug, ng, IU/kg/h; mg, ug, ng, IU/kg/min selectable, default is mg/kg/h;
	VTBI: 0.10-9999.99ml; Time: 00:00:01-99:59:59(h: m: s) (Auto. calculated)
Ramp up/ down mode:	VTBI: 0.10-9999.99ml; Time range: 00:00:01-99:59:59 (h: m: s)
Sequential mode:	VTBI: 0.10-9999.99ml; Rate: 0.10-1500ml/h; Time: 00:01:00-99:59:59 (h: m: s)
Micro-infusion mode:	VTBI: 0.10-1000.00ml; Rate: 0.1-100ml/h; Time: 00:00:01-99:59:59; Bolus rate: 0.1-100ml/h

Pass marks 85%

6. Infusion Pump - Qty 12

Physical specification	
W×H×D:	245 x 87 x174 (mm)
Net wight: < 2.5kg, Stackable	
Classification:	Type CF, class 1
Display	
Screen:	3.5” TFT COLOUR LCD, 16.9 format
Brightness:	1-8 levels adjustable level 4
Information:	Delivery rate, current infusion, VTBI, total volume, syringe size, syringe brand, pressure limit, battery capacity, drugs,
	remaining time, alarms
CPU type: Dual – CPU (**30Marks)**	
Infusion sets	
Application to GB – 2005 Disposals : Diameter ≥ 3.5 – 4.5 mm, Thickness 0.8 – 1.2mm	
Basic parameters	
Mode:	6 modes: Rate mode, Time mode, Body weight mode, Ramp up/down mode,
	Sequential mode, Micro-infusion mode
	0.1-2000ml/h (**30Marks)**
Increment:	0.01ml (0.1-99.99ml/h); 0.1ml(100-999.9ml/h); 1ml(1000-2000ml/h)
	0.10-9999.99ml (increment 0.01ml)
	00:00:01-99:59:59 (h: m: s) adjustable (**10Marks)**
	0-9999.99 ml
	0.1-5.0ml/h adjustable, step 0.1ml/h, default is 1.0 ml/h
Purge:	0.10-2000ml/h
ACCURACY	
Flow Rate ≥ 1mL/h : Accuracy ≤ ± 3% (**5Marks)**	
Flow Rate < 1mL/h : Accuracy ≤ ± 5%	
BOLUS	
Automatic/Manual Bolus: 0.1-2000ml/h, default is 800ml/h;	
Preset automatic Bolus volume: 0.10-9999.99ml (**5Marks)**	
Function Spectrum	
Automatic Calculation of Delivery rate based on different modes	
Infusion pause / standby : Preset parameters stored	
Drug library up to 2000 drugs, “ON” and “OFF” selectable; use-defined drug list available	
History records up to 2000, data could be transmitted to PC and saved as EXCEL format to print out.	
Titration function: change flow rate during infusion with increment 0.01ml/h	
LANGUAGE	
11 languages: English, Spanish, French, Russian, Turkish, Portuguese, Bulgarian, Czech, Polish, Romanian Chinese	

SAFETY SYSTEME
OCCULUSION PRESSURE: 4 pressure unit: mmhg/ KPa/ bar/ psi, selectable, auto conversion in different units' default is mmhg **(5Marks)**
11 levels occlusion pressure,150- 975mmhg selectable +_ 20% as accuracy default is 450mmhg.
Auto data lock: "ON'' and ''OFF''
''ON'':1-5min. selectable step 1min, default is "OFF".
Air detector: 1, Volume: minimum 20ul; 2, 5 levels selectable: 50ul, 100ul, 250ul, 500ul, 800ul, default is 100ul; **(5Marks)**
3, Accuracy: ±20%; 4, Alarm: single bubble or accumulated bubble volume in 15 min. reached the setting limit
Anti-bolus: Automatic reduction of the bolus volume following pressure alarm
Alarm **(5Marks)**
Alarm type:
High: occlusion, battery empty, VTBI done, air bubble, door-open, KVO finish, system error
Middle: Standby time expired system abnormal
Low: VTBI near done, Reminder, no battery, battery low, no AC
Alarm volume: 1-8 levels selectable, default is level 4
Pre-alarms: 1-30min. before infusion is empty, 3min. before battery is completed , 30 min. as low battery
Reminder:
ON; 5 Min, selectable, step 1 min
Battery: **(5Marks)**
Operating time >9hrs @25ml/h
Recharging time < 6hrs for 100% charge
Interface
RS232
Nurse call connector
DC adaptor connector
Power supply ~100 - 240
Environmental Requirement
Temperature: 5 ~ 40ºC for operating, -20 ~ 60ºC for storage
Humidity: 15 ~ 95% for operating, 10 ~ 95% for storage
Air pressure: 57 ~ 106kPa for operating, 50 ~ 106kPa for storage
Water-proof: IP23
>5 years under continuous duty conditions
Body Weight Mode: Weight: 0.1-300.0kg or 0.1-660.8lb, kg/lb selectable;
Drug-Amount: 0.1-999.9, g/mg/ug/ng/IU selectable, default is mg;
Volume: 0.10-9999.99ml;
Dose: 0.01-999.99;
Dose unit: mg, ug, ng, IU/kg/h; mg, ug, ng, IU/kg/min selectable, default is mg/kg/h;
VTBI: 0.10-9999.99ml;

	Time: 00:00:01-99:59:59 (h:m:s)
Ramp up/ down mode:	
Sequential mode:	VTBI: 0.10-9999.99ml; Rate: 0.10-1500ml/h; Time: 00:01:00-99:59:59 (h:m:s)
Micro-infusion mode:	VTBI: 0.10-1000.00ml; Rate: 0.1-100ml/h; Time: 00:00:01-99:59:59 (h:m:s); Bolus rate: 0.1-100ml/h

Pass marks 85%

Feeding Pump - Qty 12

Physical specification	
W×H×D:	245 x 87 x174 (mm)
Net wight: < 2.5kg, Stackable	
Classification:	Type CF, class 1
Display	
Screen:	3.5" TFT COLOUR LCD, 16.9 format
Brightness:	1-8 levels adjustable level 4
Information:	Delivery rate, current infusion, VTBI, total volume, syringe size, syringe brand, pressure limit, battery capacity, drugs,
	remaining time, alarms
CPU type: Dual – CPU	(**30Marks)**
Infusion sets	
Application to GB – 2005 Disposals : Diameter ≥ 3.5 – 4.5 mm, Thickness 0.8 – 1.2mm	
Basic parameters	
Mode:	6 modes: Rate mode, Time mode, Body weight mode, Ramp up/down mode,
	Sequential mode, Micro-infusion mode
	0.1-2000ml/h (**30Marks)**
Increment:	0.01ml (0.1-99.99ml/h); 0.1ml(100-999.9ml/h); 1ml(1000-2000ml/h)
	0.10-9999.99ml (increment 0.01ml)
	00:00:01-99:59:59 (h: m: s) adjustable (**10Marks)**
	0-9999.99 ml
	0.1-5.0ml/h adjustable, step 0.1ml/h, default is 1.0 ml/h
Purge:	0.10-2000ml/h
ACCURACY	
Flow Rate ≥ 1mL/h : Accuracy ≤ ± 3% (**5Marks)**	
Flow Rate < 1mL/h : Accuracy ≤ ± 5%	
BOLUS	

Automatic/Manual Bolus: 0.1-2000ml/h, default is 800ml/h;
Preset automatic Bolus volume: 0.10-9999.99ml (**5Marks)**
Function Spectrum
Automatic Calculation of Delivery rate based on different modes
Infusion pause / standby : Preset parameters stored
Drug library up to 2000 drugs, "ON" and "OFF" selectable; use-defined drug list available
History records up to 2000, data could be transmitted to PC and saved as EXCEL format to print out.
Titration function: change flow rate during infusion with increment 0.01ml/h
LANGUAGE
11 languages: English, Spanish, French, Russian, Turkish, Portuguese, Bulgarian, Czech, Polish, Romanian Chinese
SAFETY SYSTEME
OCCULUSION PRESSURE: 4 pressure unit: mmhg/ KPa/ bar/ psi, selectable, auto conversion in different units' default is mmhg **(5Marks)**
11 levels occlusion pressure,150- 975mmhg selectable +_ 20% as accuracy default is 450mmhg.
Auto data lock: "ON'' and ''OFF''
''ON'':1-5min. selectable step 1min, default is "OFF".
Air detector: 1, Volume: minimum 20ul; 2, 5 levels selectable: 50ul, 100ul, 250ul, 500ul, 800ul, default is 100ul; **(5Marks)**
3, Accuracy: ±20%; 4, Alarm: single bubble or accumulated bubble volume in 15 min. reached the setting limit
Anti-bolus: Automatic reduction of the bolus volume following pressure alarm
Alarm **(5Marks)**
Alarm type:
High: occlusion, battery empty, VTBI done, air bubble, door-open, KVO finish, system error
Middle: Standby time expired system abnormal
Low: VTBI near done, Reminder, no battery, battery low, no AC
Alarm volume: 1-8 levels selectable, default is level 4
Pre-alarms: 1-30min. before infusion is empty, 3min. before battery is completed , 30 min. as low battery
Reminder:
ON; 5 Min, selectable, step 1 min
Battery: **(5Marks)**
Operating time >9hrs @25ml/h
Recharging time < 6hrs for 100% charge
Interface
RS232
Nurse call connector
DC adaptor connector
Power supply ~100 - 240
Environmental Requirement
Temperature: 5 ~ 40ºC for operating, -20 ~ 60ºC for storage

Humidity:	15 ~ 95% for operating, 10 ~ 95% for storage
Air pressure:	57 ~ 106kPa for operating, 50 ~ 106kPa for storage
Water-proof:	IP23
	>5 years under continuous duty conditions
Body Weight Mode:	Weight: 0.1-300.0kg or 0.1-660.8lb, kg/lb selectable;
	Drug-Amount: 0.1-999.9, g/mg/ug/ng/IU selectable, default is mg;
	Volume: 0.10-9999.99ml ;
	Dose: 0.01-999.99 ;
	Dose unit: mg, ug, ng, IU/kg/h; mg, ug, ng, IU/kg/min selectable, default is mg/kg/h;
	VTBI: 0.10-9999.99ml;
	Time: 00:00:01-99:59:59(h:m:s)
Ramp up/ down mode:	
Sequential mode:	VTBI: 0.10-9999.99ml; Rate: 0.10-1500ml/h; Time: 00:01:00-99:59:59 (h:m:s)
Micro-infusion mode:	VTBI: 0.10-1000.00ml; Rate: 0.1-100ml/h; Time: 00:00:01-99:59:59 (h:m:s); Bolus rate: 0.1-100ml/h

Pass marks 85%

3. Drip stand – Qty 40

The drip stand must be made of **stainless steel** with the following features: **-15 marks**

1) Four (4) stainless steel hooks each with 1kg load capacity - **15 marks**

2) Adjustable height with Top Knob between approx. 140cm to 250cm **-30 marks**

3) Five (5) limb stainless base - **20 marks**

4) Five (5) castors with two brakes - **20 marks**

Pass marks 85%

4. Patient beds (Three crank + mattress with mackintosh) – Qty 51

Three section profiling with perforated steel sheet.

- Positions
  1) Back rest0 - 75° - **5 marks**
  2) Back rest0 - 75° - **5 marks**
  3) Trendelenburg/ Reverse Trendelenburg - **5 marks**
  4) Leg adjustment 0 - 40^0
- Safe working load Approx. 200kg - **10 marks**
- Should have urine bag holder.
- Must have Headboard & footboard - **10 marks.**

- Aluminum Fold away side rail - **10 marks**
- Height adjustment 35cm to 80cm - **10 marks**
- Overall length -Approx. 190 to 225cm
- Overall width -Approx. 90 to 100cm
- Must have corner bumpers. - **5 marks**
- Castors –Four swivel antistatic Castors approx. diameter 125mm with two Lockable - **10 marks**
- Must have infusion pole firmly fitted. - **5 marks**
- Provide user manual & Technical manual. - **5 marks**
- Warranty: At least one year on all parts - **10 marks**
- Mattress - Three section impermeable Mackintosh/waterproof long stay mattress of 8inches thickness. - **10 marks**

Pass marks 85%

5. Ripple mattress with pump– Qty 10

a) PUMP:

- Operating voltage 100 – 240v A.C 50Hz/60HZ (with 3 pin top plug) - **10 marks**
- Working pressure – 60 - 135mmHg - **20 marks**
- Air amount – Adjustable to suit patient weight- **5 marks.**

b) MATTRESS:

- Patient weight 40 – 200kg- **25 marks**
- Inflation time 30mins - **5 marks**
- Material PVC (Waterproof) - **10 marks**
- Must fit ICU Bed - **10 marks.**

c) Pump must have at least one year warranty - **10 marks**
d) Pump must have a User/instruction manual.
e) Pump must have a Technical/Service manual.
f) Must conform to standard: FDA, 2004/108/ECCE. - **5 marks**

Pass marks 85%

6. Patients bed side cabinets (lockers) - Qty 51

- Size approx.: 500mm x 530mm x 755mmH - **20 marks**
- Structure made of ABS and steel- **20 marks.**
- 1 drawer and 1 storage cabinet - **20 marks**
- Drawer size approx..: 415 x 360 x 100mm
- One height adjustable dining table - **20 marks**
- With stainless steel top & bottom
- With four castors (approx. diameter 125mm) each with brake - **20 marks**
- Warranty: at least one year after commissioning

Pass marks 85%

7. Defibrillator / Monitor (adult & Pediatric)– Qty 2

- Must be able to do Defibrillator & AED (Combined)
- Size- Approx. 6-15 inch, 4 waveforms - **10 Marks**
- Color TFT LCD or better

- Patient monitor-ECG, NIBP, Spo2 - **30 Marks**
- Pacing mode **- 10 Marks**
- AED mode
- Resolution- Approx.700- 800 x 480-500 pixels VGA with 32 brightness levels per color
- Recording Speed- 6.25mm/s , 12.5 mm/s ,25 mm/s, 50 mm/s +/- 10% nominal for ECG
- Input/Output: 3ECG– Lead patient cable, Paddle and "Hands free" adapter - **10 Marks**
- Acquisition: Full range lead selection i.e. I, II, III, aVF, aVR, V and paddles **- 10 Marks**
- Waveform – Biphasic Truncated Exponential, parameters adjusted as a function of patient impedance.
- Standard Operator Position-Within one meter of the device
- Power – 100- 240V AC,50Hz, with Rechargeable Lithium Battery, protectively grounded outlet, support not less than 300 - 500shocks @ 360J, or 10 hours monitoring or more, or 6 - 10 hours pacing at one charge with a new battery. **- 10 Marks**
- Shock Delivery- Via multifunction electrode pads or paddles
- Sensing for Pads/paddles-Apply 500 Na rms (571Hz); 200UA rms (32Hz)
- Charge Time-
    - Less than 5 seconds to the recommended adult energy level (150 Joules) with a new, fully charged battery installed.
- ISO/CE
- Two-year Warranty

ACCESSORIES - 20 Marks

i. **3 ECG**– Lead patient cable
ii. **SPO2** Re-usable
iii. Multifunctional set of pads (adult and pediatric) Two Re-usable & Two Disposable each
iv. Re-usable NIBP cuff (Adult, Pediatric and Neonate) one each.
v. Hands free multifunctional adapter
vi. Thermal chart paper 5 pcs
vii. Startup kit (2packets Electrodes and 5 bottle gel)

- Must be supplied with a Technical/Service manual (Both hard and soft copy)
- Must be supplied with a User/Instruction manual (Both hard and soft copy)
- Must be able Wireless transmission of event data to a Smartphone or a PC
- Supplier Must facilitate **HMIS** Connectivity at no extra cost.
- At least five or more Users and five Biomedical -Technical onsite Training.

- **Standards:** Monitor should comply with IEC 60601-1, Medical Devices Directive (MDD) 93/42 EEC and bear the CE mark.
- Storage: Should have at least last 1000 readings or more.
- Docking station in ambulance (both mounting and charging)- Must be provided.

Pass Mark 85%

8. Crash Cart – Qty 2

System Configuration.

- Emergency trolley (Emergency Crash Cart) with removable colored bins, storage units, fitted with oxygen cylinder holder and electric lamp holder and four swivels castors.

Technical Specifications

- Dimensions: approx. 900 - 980mm L x 450 - 5505mm W x 1500 - 1550mm H. - **10 Marks**
- Extendable worktop - **10 Marks**
- Push handle and side rail - **10 Marks**
- Lockable storage units – 4 drawers (stainless steel or moulded plastic). Wood or wood laminate construction drawers are NOT acceptable. **- 10 Marks**

- To be fitted with stainless steel, height adjustable, twin hook/loop, IV pole assembly. **- 10 Marks**
- CPR cardiac board with support
- Fully, 360 deg. swivel castors/wheels, size 125mm diameter with at least two castor/wheel to have locking/brake mechanism. Should have tread hardness and **plastic bumpers.** - **10 Marks**
- Fitted with epoxy powder coated oxygen cylinder holder and electric lamp holder with clamp and cardiac massage board. - **5 Marks**
- Must be capable of carrying ECG Monitor/defibrillator and a suction apparatus. - **5 Marks**
- Accessories: glove holders, shelves, bins, needle holders. - **5 Marks**

Standards and Safety Requirements

- Must submit ISO 9001 or ISO 13485:2003/AC:2007 & CE or USFDA approved product certificate.

Warranty

- Comprehensive warranty for 2 years. - **5 Marks**
- Maintenance Service During Warranty Period. - **5 Marks**

User's manual shall be supplied in English.
Installation and Commissioning - Must supply preassembled unit, ready to use

Pass Mark 85%

9. Laryngoscope set - pediatrics /Adults – Qty 10

- Fiber optic - **20 Marks**
- 5 blades; size 0,1,2,3,4 (**Autoclavable**)- **30 Marks**
- 2 handles **- 10 Marks**
- Length 12 inch
- Stainless steel
- Chrome plated brass Handle.
- Halogen HPX light source or LED **- 30 Marks**
- Batteries **and** charger
- Standard case
- Spare bulbs (3pcs) **- 10 Marks**
- ISO/CE

Pass Mark 85%

10. <u>Drug Trolley Technical Specification</u> -Qty 18

The Trolley must have:

- Defibrillator shelf…….1pc -**10 Marks**
- DIMENTIONS (approx.): Size.....850"520*960mm
- 4 castors with 2 brakes -**10 Marks**
- Sliding side shelf…….1pc -**10 Marks**
- Sharp Container……..1pc -**5 Marks**
- Dust baskets……1pc -**5 Marks**
- IV pole……1pc -**10 Marks**

- CPR board……..1pc -**10 Marks**
- Oxygen Bottle Holder…1pc -**10 Marks**
- Utility container…….1pc -**5 Marks**
- Central lock……1 set -**10 Marks.**
- At least 4 or more drawers and ddividable inner drawers -**10 Marks**
- Guard rails on all sides of the top shelf. -**5Marks**
- Side panels and top table made of polypropylene.
- All accessories must be included.
- ISO/CE
- One-year warranty

Pass Mark 85%

11. Stethoscope - Specifications – Qty - 15 (Adult)

Components:	Chest piece with two cups: flat and conical. **- 40 Marks** Y-shaped tube Adjustable arms with flexible spring. **- 10 Marks** Two earpieces. **- 20 Marks**
Materials:	Pivoting chest piece: aluminum, stainless steel, or chrome plated brass. All-frequency diaphragms in high-resolution epoxy glass. Y-tube: treated rubber (vinyl). Arms and spring: stainless steel. Earpieces: plastic.
Specifications:	Instrument used for sound auscultations within the body. Binaural stethoscope with a receiving plate into which the two flexible ear-tubes converge. Double cup stethoscope with pivoting chest piece: one side of the cup is large and flat-shaped and the other small and conical-shaped (bell). Arms with spring, designed to retain constant springiness and maximum reliability and comfort. Screw-on replaceable earpieces. Y-tube with large diameter: 10mm.
Adult:	Can be used for adults (large side) and in pediatrics (bell side). Size: adult 43mm, pediatric 28mm, overall length +/- 77cm. Sensitivity 3.2dB, ranging from 50 to 500Hz for cardiology. Sensitivity 8.1dB, ranging from 600Hz to 1500Hz for pneumology.
Packaging:	Unit presentation: Supplied in a box with replacement diaphragms (large and small) one each and 1 pair of replacement earpieces. **- 30 Marks**

Pass Mark 85%

12. Stethoscope - Specifications – Qty - 15 (pediatrics)

Components:	Chest piece with two cups: flat and conical. - **40 Marks** Y-shaped tube Adjustable arms with flexible spring. - **10 Marks** Two earpieces. - **20 Marks**
Materials:	Pivoting chest piece: aluminum, stainless steel, or chrome plated brass. All-frequency diaphragms in high-resolution epoxy glass. Y-tube: treated rubber (vinyl). Arms and spring: stainless steel. Earpieces: plastic.
Specifications:	Instrument used for sound auscultations within the body. Binaural stethoscope with a receiving plate into which the two flexible ear-tubes converge. Double cup stethoscope with pivoting chest piece: one side of the cup is large and flat-shaped and the other small and conical-shaped (bell). Arms with spring, designed to retain constant springiness and maximum reliability and comfort. Screw-on replaceable earpieces. Y-tube with large diameter: 10mm.
pediatrics:	Used for **pediatrics** (large side) and in Neonates (bell side). Size: adult 43mm, pediatric 28mm, overall length +/- 77cm. Sensitivity 3.2dB, ranging from 50 to 500Hz for cardiology. Sensitivity 8.1dB, ranging from 600Hz to 1500Hz for pneumology.
Packaging:	Unit presentation: Supplied in a box with replacement diaphragms (large and small) one each and 1 pair of replacement earpieces. - **30 Marks**

Pass Mark 85%

Stethoscope –pediatric

- Dual-side chest piece with Approx. 3.3cm diaphragm (**40 Marks**)
- Versatile chest piece for high acoustic sensitivity with a floating diaphragm and open bell(**10 Marks**)
- No-chill rim and diaphragm.
- Soft sealing ear tips(**5Marks**)
- Adjustable headpiece (**10 Marks**)
- Angled ear tubes (**10 Marks**)
- Diaphragm; Epoxy/fiberglass
- Tunable diaphragm; high & low frequency sounds (**10 Marks**)
- ISO/CE

Pass Mark 85%

13. <u>NEBULIZER SPECIFICATION TECHNICAL FEATURES -</u> Qty 10

- Compressor - Oilless and maintenance-free piston pump (**10 Marks**)
- Power feeding- 100v-240V-50Hz/60HZ (**10 Marks**)
- Power consumption Approx: 170VA-200VA
- Max Pressure Approx: 2.5 bar (**10 Marks**)
- Operating Pressure Approx: 1.1 bar (**10 Marks**)

- Max Air Flow — Approx.: 14 L /min (**10 Marks**)
- Operating Air Flow — Approx.: 5 L /min (**10 Marks**)
- Neb-rate with 4ml solution — Approx.: 0.40 ml/min (**10 Marks**)
- Mass Median Aerodinamic Diameter — 2.44um (MMAD) according to EN-14544-1
- Repairable Fraction (<5up) — >80%
- Duty Cycle — Non-stop operation (**10 Marks**)
- Noise Level (EN13544-1 Standard) — Approx or less 45 dBA (**10Marks**)

Consumables - (**10 Marks**)

- HI-FLO Jet Nebulizer
- Medication cup — 18
- Adult Masks with elastic strings — 6
- Child masks with elastic strings — 12
- Mouthpiece — 12
- Nosepiece (non-invasive) — 12
- Air Tube — 12
- Air Filter — 12
- Should have safety certificate CE/FDA

Pass Mark 85%

14. <u>WALL OXYGEN FLOW METER(SINGLE) SPECIFICATIONS Qty - 18</u>

- Flowmeter with compensated pressure ensuring a perfect flowrate stability and accuracy.
- Flow meter measure in liter per minute (L/min) ranging from 0 l/min to maximum of 15 l/min (**30 Marks**)
- It should have oxygen flow meter with full functional oxygen gauge. (**10 Marks**)
- Type of knob, extremely reliable, easy-to-clean and ensuring an optimized adjustment. (**10 Marks**)
- Perfect tightness of the knob - polyamide seat. (**10 Marks**)
- Guaranteed the closing of the knob during 5 years without any leakage.
- Sieve located at the inlet of the flowmeter to protect the device against impurities of the gas network and thus ensures the protection of the patient. Filter porosity: 35 microns. (**10 Marks**)
- Unit serial number engraved on each flowmeter body for identification and traceability. (**10 Marks**)

<u>HUMIDIFIER</u>

- **250 ml bottle** made of polypropylene, unbreakable, autoclavable up to 121° C or134° C. (**10 Marks**)
- **Outlet tubing nipple moulded** as part of the lid thereby ensuring overall robustness.
- Equipped with a **very silent diffuser** for the comfort of the patient.
- Reusable humidifiers Bottle**.** (**10 Marks**)

Pass Mark 85%

15. DRUG/PHARMACY REFRIDGERATOR SPECIFICATIONS - Qty 2

- For safe storage of vaccines, insulin, lab samples and pharmaceuticals
- Able to maintain internal air temperature between +2º C to +8º C (**15 Marks**)
- Should be ISO 9001, 13485 & 14001 certified product.
- Should have built in -20 to -30 C Deep Freezer. (**15 Marks**
- Freezer capacity should be > 75 L .
- Should have dual Temperature Zone. (**5Marks)**
- Temperature Should be Microprocessor Controlled system. (**10 Marks**
- With a built-in alarm system which actuate upon higher or lower temperature deviations (**5 Marks)**
- Audio/ visual alarm signal on temperature deviation (**5 Marks)**
- Automatically defrosting
- Lockable door for security (**5 Marks)**
- External digital temperature displays with max/min memory for continuous monitoring. (**5 Marks)**
- Digital temperature displays with an internal analogue thermometer display
- Should have Memory back-up during power failure and Self diagnostics function.
- Should have Remote alarm contact for alarm acknowledgement.
- With stainless steel bottom pan and shelf support
- Should have 4 castors with 2 adjustable levelling feet. (**5Marks)**
- With 2 lockable castors.
- With led Interior lighting(**5Marks)**
- Capacity gross/net, L: 326 L 0r bigger (**10 Marks)**
- Storage shelves/drawers 5/1(**5 Marks)**
- Stainless steel interior (**5Marks)**
- Recalculated air cooling
- Shelves for Refrigerator; Large: 2 No, Small: 3 No, Shelves for Freezer - 1 No.
- One-year warranty (**5Marks)**

Pass Mark 85%

16. Wheelchairs (Standard) Specifications – Qty 10

- Half folding backrest with seatbelt (**10 Marks)**
- Flip back PU armrests for added comfort. (**5 Marks)**
- Detachable swing away leg rests with height adjustment with at least 7 inch ground clearance (**10 Marks)**

  Puncture proof swivel castors made from high grade rubber. (**15 Marks)**
- Durable smooth rolling wheels non inflatable with attached outer stainless steel hand rim on both wheels for self-propelling made of high-grade rubber- solid. (**20 Marks)**
- Adjustable aluminum brakes (**10 Marks)**
- Large comfortable push handles with hand brakes (**10 Marks)**
- Skirt/trouser guards
- Palm activated. quick release rear wheels
- Dismantles easily for transporting / Easy foldable.
- Capacity - 200kg. (**20 Marks**

Pass Mark 85%

Commode Chairs – Qty 10

- **Size (35 Marks)**
    - Length: Approx 50 - 60cm
    - Width: Approx 40 – 50 cm
    - Seat Height: 45 - 60cm adjustable
    - Seat length: approx. 40 - 45cm
    - Backrest height: approx. 38cm
- Durable smooth rolling wheels non inflatable with attached outer stainless steel hand rim on both wheels for self-propelling made of high-grade rubber- solid. **(20 Marks)**
- Puncture proof swivel castors made from high grade rubber. **(10 Marks)**
- Loading capacity: approx. 200kg **(20 Marks)**

21) Walkers Specifications- Qty 10

- To fit usage Indoor or Outdoor
- Approximate Patient Height 4' – 6' - (**10 Marks)**
- Approximate Product Height 24.25**" – 33.25" - (10 Marks)**
- Foldable and height adjustable frame -(**20 Marks)**
- Should be CE \ISO13425
- Made of Aluminum with Single Button Release -(**20 Marks)**
- Height adjustable - easy to adjust, suitable for different heights of the user.
- Rubber hand grips- (**10 Marks)**
- Replaceable rubber tips - (**10 Marks)**
- Warranty 5 years - (**20 Marks)**

Pass Mark 85%

22). Vital Signs Monitor Specifications- Qty 7

a) User Interface

1) Quick access menu and hard keys (**2 Marks)**
2) Menu structure and fixed keys (**2 Marks)**
3) Alarm levels -Life-threatening, serious, and advisory. (**2 Marks)**
4) Indicator LEDs - power, alarm, charge (**2 Marks)**
5) Upto 2000 groups NIBP data storage and SPO2 (**2 Marks)**
6) Display size Approx 8" – 15"x 8" - 15" inches high brightness TFT LCD display (**2 Marks)**
7) Full touch Screen

b) **Standard Parameters**

1) SpO_2, Measurement range 0% - 100% (**10 Marks)**
2) Pulse rate Measurement range 30bpm – 250bpm (**10 Marks)**
3) Non-Invasive Blood Pressure Measurement range 25 -260mmHg single - hose Tubing. (**10 Marks)**
4) Temperature (**8 Marks)**
5) 3/5-lead ECG lead set (**10 Marks)**

c) **Monitoring Capability**: -Neonatal, Pediatric, and adult applications; Pulse Rate/SpO_2/ Temp /NIBP. (**10 Marks)**

d) **Accessories: - Accessories** for all specified parameters (BP Cuff 4pcs, Hose 2m long, Temperature probe, SPO2 Neonate, Pediatric and Adult).

- Operator's Instruction Manual (hard copy)
- Technical/Service Manual (hard copy)

e) **Mounting Option: -** Roller stands with at least 2 lockable castors .

f) **Power Requirements: -** Voltage 100 - 240V a.c 50/60Hz, Battery type Rechargeable,

Battery capacity 120 minutes. (**10 Marks)**

h) **Standards: -** Standards: Monitor should comply with IEC 60601-1, Medical Devices Directive (MDD) 93/42 EEC and bear the CE mark**.**

i) **Warranty: -** The unit must be supplied with one year warranty (**10 Marks)**

j) **Training:** Supplier must provide User training and Five Biomedical training.

Pass Mark 85%

23) Examination Couch (standard) specifications -Qty 10

Standard Features:

- Size approx. L x 600-610mm W x 750-760mmH (**10 Marks)**
- Height adjustable by Electric Motor (780mm - 530mm) (**30 Marks)**
- Motor voltage 100-240 VAC 50/60 Hz (**15 Marks)**
- Back rest adjusted by Gas Spring (**10 Marks)**
- The head flap adjustable on several indications both up and down
- Framework made of Mild Steel Epoxy coated finish.
- Mounted on protective Stumps.
- 125mm four castors with two-opposite Lockable. (**10 Marks)**
- Framework made of Mild Steel Epoxy coated finish.
- Load Capacity 150 - 200 kg. (**10 Marks)**

Pass Mark 85%

24) Electric Suction Machine Technical Specifications -Qty 8

A) DIMENSIONS: (10 Marks)

- Height $\leq$ 35 cm
- Width $\leq$ 35 cm
- Length < 25 cm
- Weigh $\approx$ 10 kgs

B) PERFORMANCE (45 Marks)

- Power Requirements - Mains input 100-240v a.c 50/60Hz.
- Vacuum - 650mmHg Max.
- Maximum airflow rate Aprox 50 Ltrs/min.
- Collection jars – 2 x 2L impact resistant (should **NOT** be glass**).**
- Hydrophobic filter mandatory (10 Pcs More).
- Jar Lid with overflow switch.

- Must have all accessories required for intended use.
- Must have hand and foot control. (**10 Marks)**
- Must have an antibacterial filter on the suction side (10 PCS more).
- Must have a user / operator manual – (hardcopy).
- must have a technical / service manual (hard Copy).
- supplier must provide user training.
- Electric motor must be totally enclosed.
- Must have Heavy duty anti-static four castor and two Lockable. (**10 Marks)**
- must have one-year warranty. (**10 Marks)**
- Should be CE/FDA marked.

- **Pass Mark 85%**

25) Technical Specifications for non-contact thermometer – Qty 8

1) Pistol design
2) Backlit LCD display (**10 Marks)**
3) Measurement range 32.0°C to 42.5°C (**45 Marks)**
4) Alarm: Adjustable visual and audio alerts when temperature exceeds programmed limit
5) Optimum measurement distance: 5 to 20cm (**10 Marks)**
6) Response: max 1 sec
7) Memory: at least 20 readings (**10 Marks)**
8) Should operate from 3VDC battery and rechargeable battery with at least 2 hrs. operating time (**10 Marks)**
9) Must be supplied with a charger
10) Must be supplied with a carrying case
11) Must be supplied with user/instruction manual
12) Must bear the CE mark

Pass Mark 85%

26) Examination Light Specifications – Qty 10

- Examination arm, pentagonal base with 5 anti-static Castors/wheels and Two Lockable wheels. (**10 Marks)**
- 7500 lux /1meter with filter (**20Marks)**
- Minimum height 1200-Maximum height 1900mm
- Adjustable spring arm
- Lamp head with reflector rotation at least 330 degrees (**15Marks)**
- Head diameter appro: 100mm
- LED bulbs or halogen 12V -50W (**10 Marks)**
- Total light intensity 48000 lux/0.5 m (**20 Marks)**
- Color temperature 3200-degree Kelvin without filter and 4000-degree Kelvin with filter
- Colour rending index 100
- Focus diameter 130mm/m
- Power input 100 - 230v-50/60Hz (**10 Marks)**
- Temperature in focus area not exceeding 5 degree
- Standard based on Din 5035 or IEC 60601

Pass Mark 85%

27) Technical Specifications for Fluid Warmer – Qty 2

- **Power Requirements -** voltage 100-240V a.c 50/60Hz (**10 Marks)**
- Operating Temperature - -36ºC standard, adjustable to 42ºC (**30 Marks)**
- **Heating up time -** Approximately 1min (20ºC to 35ºC) (**10 Marks)**

- **Alarms -** Visual and Audio alarms for inadequate temperature (**10 Marks)**
- Should fit all lines.
- Should be Digital.
- Operating mode; continuous
- Compatible to IV tube 3.5-5mm
- Lower alarm temp-32ºc
- Should have a longer heating area.
- Should have a safety temperature cut-off mechanism. (**15 Marks)**
- Overheating protection 42ºc/43ºc
- Must have an Operation/Instruction manual (hard copy)
- Must have a Technical/Service manual (hard copy)
- Training – User / Technical
- Warranty – 2 years

Pass Mark 85%

28) Digital weighing scale Standing (adult)- Qty 7

- Platform approximately 375 by 270 mm
- Capacity - 0Kg to 250Kg, Height Max 2450mm (**35 Marks)**
- Dual range scale in both Kg and Lbs. (**10 Marks)**
- Accuracy: 0.1kg
- Function: height (infrared), weight, bmi, led display, voice broadcasting must be incorporated
- Display: LCD backlight (**10 Marks)**
- Tare on/off function
- Weight 'lock' function (**10 Marks)**
- Zero function
- Operating power - 1.5 or3 or 6 or 12 DC Volts Adapter, with inbuilt rechargeable battery (**10 Marks)**
- Provide user manual and Technical.
- One year warrantee including the internal reachable battery. (**10 Marks)**

Pass Mark 85%

29) Digital weighing scale Chair (adult)- Qty 8

- Capacity - 0Kg to 250Kg, (**35 Marks)**
- Dual range scale in both Kg and Lbs. (**10 Marks)**
- Accuracy: 0.1kg
- Function: weight, led display, voice broadcasting must be incorporated
- Display: LCD backlight (**10 Marks)**
- Weight 'lock' function (**10 Marks)**
- Tare on/off function
- Large comfortable push handles
- Four castors 25mm with two lockable
- Should have plastic sitting tray and easy to clean.
- Tare on/off function
- Weight 'lock' function
- Zero function
- Operating power - 1.5 or3 or 6 or 12 DC Volts Adapter, with inbuilt rechargeable battery (**10 Marks)**
- Provide user manual and Technical.
- One year warrantee including the internal reachable battery. (**10 Marks)**

Pass Mark 85%

30) Patient Trolleys (Stretchers) Stainless steel - Qty 10

- Capacity of 220Kg (**25 Marks)**
- Must have rubber bumper on four corners.
- Height adjustable approx. 500- 950mm (**10 Marks)**
- Oxygen cylinder holder & try for placing X-Ray cassette. (**10 Marks)**
- Framework made of tubular Stainless-steel pipe.
- Swing away safety side railing.
- Adjustable IV rod (**10 Marks)**
- Foam padded top 6 inches thick mattress.
- Waterproof mattress, easy to wash, disinfect and should not stain. (**10 Marks)**
- Trolley mounted on four - 8 inches' diameter castors two with brakes. (**10 Marks)**
- Pedal control elevation and Trendelenburg/reverse Trendelenburg located.
- Dimensions: 180 – 196 x 50 - 64 x 61- 95 cm.
- User manual
- One-year warranty (**10 Marks)**

Pass Mark 85%

31) <u>SPECIFICATION FOR CHEMOTHERAPY CHAIR QTY - 6</u>

Castors/Wheels 10cm – 12.5 cm diameter swivel castors/wheels with brake on each wheel (**10 Marks)**

Armrest - easy to lower for optimal arm support and necessary adjustment during treatment. (**10 Marks)**

Footrest – Manually adjustable

Easy to operate remote control for individual adjustment of sitting position by patient and nurse. (**10 Marks)**

- With emergency foot pedal (**10 Marks)**
- With Equipotential bonding in compliance with EN60601
- High speed shock position allows very fast reaction in case of shock and immediate initiation of emergency measures.
- With plastic protectors for leg and footrest to protect against dirt.
- Back handle for easy moving of chair and serves as holder for reading lamp.
- Paper roll holder
- Fitted with infusion pole. (**5 Marks)**

Dimensions: seat section width	~	60cm
Chair width, including arm rests	~	90cm
Total length	~	215cm
Total weight	~	80kg

Adjustment features for back section (Synchronously with leg section) (**10 Marks)**

Seat section

Leg section

Foot rest

Height	60cm

Safety

Max load:	Up to 180 kg (**20 Marks)**
Electrical Specification:	100V - 230V 50/60 Hz on demand (**10 Marks)**
Protection class	2
Protection category	IPX 4
Compliance	EN 60601
Motors	2

Pass Mark 85%

32) Diagnostic System Kit specifications – Qty 20

- Ophthalmoscope
- Nose and throat illumination systems
- Otoscope
- with integrated LED light
- Illumination - Fiber Optic
- Optical SMT LED Bulb Feature (**45 Marks)**
    - CRI≥90%
    - Constant current IC circuit
    - set radiator and Optical SMT LED
    - long life of 20000 h – 22000 h
    - Color Temperature - 3000k ±5%

- Operation:
    - Temperature 10℃~35℃
    - Humidity 30%~75%
    - Charging dock - Input DC5.0V - Output 3v (**20 Marks)**
    - Reachable battery (**20 Marks)**
    - One year warranty

Pass Mark 85%

33) Biosafety cabinet- Chemotherapy Mixing - Qty 2

- **Class and Type:** Class II Type B2 Biosafety Cabinet, providing personnel, product, and environmental protection. **(10 Marks)**
- **Airflow:** Vertical Laminar Airflow: HEPA-filtered vertical laminar airflow creates a controlled and sterile work environment. Provides protection by creating an air barrier between the operator and the cytotoxic material. **(5 Marks)**
- **Exhaust System:** Exhaust air, HEPA-filtered for removal of particulates and aerosols. **(5 Marks)**
- **Carbon Filtration:** Activated carbon filtration to adsorb volatile chemicals and odors. **(5 Marks)**
- **Work Surface:** Stainless steel work surface with coved corners for easy cleaning and decontamination. Stainless Steel hanging rail with hooks. **(5 Marks)**
- **Height-Adjustable:** Foot Motorized height adjustment for operator comfort. **(5 Marks)**
- **Viewing Window:** Large, clear sash window made from lead glass for visibility and safety. **(5Marks)**
- **Control Panel:** Touchscreen control panel with real-time airflow visualization and alarms. **(5Marks)**

- **Alarm System:** Audible and visual alarms for airflow velocity, filter saturation, and other safety conditions. **(5 Marks)**
- **Materials and Construction:** Exterior: Cold-rolled steel with anti-bacterial powder coating. Work Zone: Stainless steel interior with seamless welds for easy cleaning and durability. **(5 Marks)**
- **Access Ports:** Multiple service ports with iris dampers to maintain containment during equipment setup. **(5 Marks)**
- **Safety Features:** Built-in UV-C germicidal lamp for workspace decontamination. safety interlock system to prevent UV exposure during operation. **(5 Marks)**
- **Dimensions:** Approx 1500 mm -1700 mm (H) x 900mm 1100 mm (W) x 700 - 900 mm (D).
- **Power Requirements:** 100 - 240V AC, 50/60Hz. Energy-efficient operation. Battery backup for key isolator functions such as door operation, interlocks, and airflow monitoring. **(5 Marks)**
- **Certifications:** Certified to international standards, including EN 12469 and NSF 49. CE/FDA compliance. **(5Marks)**
- **Exhaust System Connection:** Must be connected to exhaust duct system for safe air discharge at no extra cost. **(10 Marks)**

Pass Mark 85%

34) Macerator Specifications - Qty 2

- **Capacity:** Up to 25 liters of medical waste per minute. **(10 Marks)**
- **Loading Capacity**: Placenta and other waste **(10 Marks)**
- **Maceration System:** Cutting Mechanism: Precision-engineered stainless steel rotary cutting blades for effective and efficient maceration.
- **Motor:** High-performance motor with thermal overload protection for extended operational life. **(10 Marks)**
- **Control Panel:** User Interface: Simple and user-friendly control panel with intuitive buttons and status indicators. **(10 Marks)**
- **Programs**: Pre-programmed cycles tailored for different types of waste materials. **(10 Marks)**
- **Safety Features:** Emergency Stop: Prominent red emergency stop button for immediate machine shutdown.
- **Interlock System:** Safety interlocks to prevent access during operation.
- **Fault Detection**: Automatic shutdown and error display for system anomalies.
- **Hygiene and Cleaning:** Durable stainless-steel construction & easy cleaning.
    - Coating: Antimicrobial coating on surfaces to inhibit bacterial growth.
- **Connectivity:** Data Tracking: Built-in data logging for maintenance history and usage monitoring. Remote Support: Remote monitoring and support capabilities. **(10 Marks)**
- **Noise Level:** Sound insulation and vibration dampening for quiet operation in healthcare environments.
- **Dimensions: Approx** 700 - 900 mm (H) x 500 - 700 mm (W) x 350 - 500 mm (D).
- **Installation**: Floor or Wall-mountable design to save space and facilitate installation.
- **Power Requirements:** Voltage: 100 - 230V AC, 50/60Hz. Energy-efficient operation **(10 Marks)**
- **Certifications:** CE/ FDA marked and designed to meet medical device regulatory standards. **(5 Marks)**
- **Waste Management:** Direct connection to hospital drainage systems. **(10 Marks)**

Pass Mark 85%

35) Linen Trolley – Qty 18

Standard Features:

- Trolley made of stainless steel. **(20 Marks)**
- Size approx: 1500 × 950 × 1200 mm. **(10 Marks)**
- 3 S.S. shelves with guard rails. **(15 Marks)**
- Supplied with 1 bag for dirty linen. **(15 Marks)**
- 4 swivel castors of Ø 125 mm castors 2x Lockable. **(15Marks)**
- 4 rubber bumpers at corners. **(10 Marks)**

Pass Mark 85%

2. Digital weighing scale Standing (adult)- Qty 10

- Platform approximately 375 by 270 mm
- Capacity - 0Kg to 250Kg, Height Max 2450mm (**35 Marks)**
- Dual range scale in both Kg and Lbs. (**10 Marks)**
- Accuracy: 0.1kg
- Function: height (infrared), weight, bmi, led display, voice broadcasting must be incorporated
- Display: LCD backlight (**10 Marks)**
- Tare on/off function
- Weight 'lock' function (**10 Marks)**
- Zero function
- Operating power - 1.5 or3 or 6 or 12 DC Volts Adapter, with inbuilt rechargeable battery (**10 Marks)**
- Provide user manual and Technical.
- One year warrantee including the internal reachable battery. (**10 Marks)**

Pass Mark 85%

Digital weighing scale Chair (adult)- Qty 10

- Capacity - 0Kg to 250Kg, (**35 Marks)**
- Dual range scale in both Kg and Lbs. (**10 Marks)**
- Accuracy: 0.1kg
- Function: weight, led display, voice broadcasting must be incorporated
- Display: LCD backlight (**10 Marks)**
- Weight 'lock' function (**10 Marks)**
- Tare on/off function
- Large comfortable push handles
- Four castors 25mm with two lockable
- Should have plastic sitting tray and easy to clean.
- Tare on/off function
- Weight 'lock' function
- Zero function
- Operating power - 1.5 or3 or 6 or 12 DC Volts Adapter, with inbuilt rechargeable battery (**10 Marks)**
- Provide user manual and Technical.
- One year warrantee including the internal reachable battery. (**10 Marks)**

Pass Mark 85%

2). CPAP for neonates– Qty 2

SPECIFICATIONS OF NASAL CPAP MACHINE

- CPAP generator with pressure range from 3 to 10 cm of water. (**10 Marks)**

- Capable of giving nasal/nasopharyngeal CPAP.
- Integrated pneumatic Air and oxygen blender calibrated with flow from 0-15 lit/min. (**10 Marks)**
- Safety mechanism for relief of excessive pressure through pressure relief valve/regulator. (**10 Marks)**
- Soft nasal prongs.
- Alarms for the device – (**10 Marks)**
  Low/high Temperature
  Flow increase/decrease alarm
  O2 pressure low alarm
  Air pressure low alarm
- Flow meters: 02 with each piece.
- Power 100-230 volts 50/60 Hz. (**10 Marks)**
- Power pack (UPS with battery back of minimum 1 hour). (**5Marks)**
- System should be quoted with pole assembly to incorporate the whole CPAP machine.
- Standard accessories with each equipment; consumables, User & Technical Manuals (**20 Marks)**

Heated wire servo-controlled humidifier	01
5 ml test lung	01
Disposable patient circuits	30
Disposable nasal prongs	30 (10 each of different neonatal sizes)

Warranty: 2 years for all parts excluding consumables. (**10 Marks)**
The company should give the certificate that the model quoted is the latest and not obsolete; & spares will be easily available for next 5 years.
Certified that specifications are not tailor-made, and many firms are manufacturing the same.
Certification: Bubble CPAP machine with compressor (FDA/CE/ISO13485:2012approved).

Pass Mark 85%

3). Laryngoscope set-Adults – Qty 10

- Fiber optic **- 20 Marks**
- 4 blades; size 1,2,3,4 **- 20 Marks**
- 2 handles - **5 Marks**
- Length 12 inch
- Stainless steel
- Chrome plated brass Handle.
- Halogen HPX light source or LED **- 20 Marks**
- Rechargeable Batteries **and** charger -**10 Marks**
- Standard case
- Spare bulbs (3pcs) **- 10 Marks**
- ISO/CE

Pass Mark 85%

Laryngoscope - Neonate/pediatrics – Qty 10

- Fiber optic - **20 Marks**
- Blades size; Straight-0,1,2,3. curved -0,1,2,3 **- 20 Marks**
- 2 handles - **5 Marks**
- Length 12 inch
- Stainless steel
- Chrome plated brass Handle.
- Halogen HPX light source or LED **- 20 Marks**
- Spare bulbs (3pcs) **- 10 Marks**
- Rechargeable Batteries **and** charger -**10 Marks**
- Standard case
- ISO/CE

Pass Mark 85%

4). Therapeutic Cooling with EEG monitoring for neonate – Qty 1

Therapeutic Hypothermia Machine (For Cooling and Re-warming Neonates in NICU

Indications For Use: Targeted temperature management of Neonates requiring hypothermia therapy for treatment of Hypoxic Ischemic Encephalopathy (HIE)

Specifications:

- **Servo-controlled**: Continuous temperature feedback from patient to enable automatic temperature regulation and monitoring. Must have a rectal/esophageal temperature probe connector for measuring patient core temperature. -**10 Marks**
- Cooling/Warming Medium: Circulating **distilled water** through blanket in contact with the patient. **-10 Marks**
- The Unit should allow quick cooling and gradual controlled re-warming.
- Flow rate of 1,800 to **2,400ml**/min or better to enable quick efficient heat transfer. **-10 Marks**
- Water temperature range: **4ºC to 45ºC**
- Patient temperature safety Controller **28ºC – 40ºC**. - **10 Marks**
- Gradient Temperature Function with Smart Mode: To minimize water temperature fluctuation and maintain stable targeted patient temperature with minimal overshoot.
- Compatible with **Re-usable Blankets** with option for **Disposable Blankets-10 Marks**
- Should have all Blanket sizes for Infant.
- Blankets should be **open** and placed under the patient to allow access for observation or other procedures in the NICU.
- Disposable Blankets should be used for **90** hours or more to cover the required 84 hours of HIE therapy.
- Compatible with Rectal/Esophageal temperature probes: **Sterile and Disposable - 5 Marks**
- **Start-up kits of 20 pcs each. 10 Marks**
- **Power: 100 – 240 Vac 50/60 Hz- 2 Marks**
- Lifespan of equipment:- **10** Years
- Manufacturer Warranty: **2 Years - 2 Marks**
- Certifications: FDA / CE

Specifications of aEEG / CFM Monitor for NICU - 16 Marks

1. System should be based on Windows 10 pro–operating system.
2. Computer with latest specifications.8GB Ram and 512 SSD, good graphic card
3. Touch screen interface and workflow for NICU friendly operation
4. Must allow application of all standard electrodes including needle electrodes, cup electrodes, ring electrodes, hydrogel electrodes) plus neonatal head caps for simplified and comfortable electrode application and optimized signal quality recordings.
5. Must be supplied with a research grade amplifier.
6. The amplifier must have active shielding for electric noise and movement artefact reduction.
7. Amplifier should have up to 6 aEEG channels or more.
8. Amplifier should have up to 8 referential EEG channels or more.
9. Software should have facility to calculate online Burst Suppression Ratio display (BSR) Inter Burst Interval display (IBI)
10. Software should have facility to create customer specific protocols (EEG and aEEG montages)
11. One touch change of EEG view (longitudinal, transversal, referential)
12. Software should have automatic Artefact recognition system (non-physiologic data)
13. System should have automatic online seizure detection and alarm capability.
14. System should be based on a trolley from the manufacturer of the aEEG system equipment.
15. Software should have quick start facility to start monitoring without having to enter patient details.
16. Warranty: 2 years
17. System should be supplies with 2 sizes each of small, medium, and large re-usable EEG caps for NICU patients.
18. Caps must have Ag/AgCl built-in recording electrodes for best quality EEG recording.

19. System should be supplied with all user & Technical manuals (DVD & Hardcopy) and other basic accessories necessary for using the system.
20. Phase change material to maintain temp at 33-34 for 72hrs.
21. Power supply 100- 240v,50/60Hz
22. Operating modes; complete treatment, servo & manual
23. Data export through a USB stick
24. Alarm package
25. Certifications required: CE / USFDA.

Pass Mark 85%

5). Baby cots Qty 10

- Baby Cot constructed with mild steel material. **- 50 Marks**
- Downward foldable Safety side railing. - **5 Marks**
- 50 -100 mm thick waterproof PU mattress. **- 10 Marks**
- Mounted on 75 mm swivel castors, two with breaks. - **10 Marks**
- Epoxy powder coated finishing.
- Size: - 850 – 950(H) x 400 – 500 /(W) x 850 - 95(H) mm.
- Must have Stainless Steel IV telescopic Stand. - **10 Marks**

Pass Mark 85%

6). Breast Milk Storage Fridge – Qty 1

Milk Refrigerator Specifications

- For safe storage of vaccines, insulin, lab samples and pharmaceuticals
- Able to maintain internal air temperature between +2º C to +8º C (**15 Marks**)
- Should be ISO 9001, 13485 & 14001 certified product.
- Should have built in -20 to -30 C Deep Freezer. (**15 Marks**
- Freezer capacity should be > 75 L .
- Should have dual Temperature Zone. (**5Marks)**
- Temperature Should be Microprocessor Controlled system. (**10 Marks**
- With a built-in alarm system which actuate upon higher or lower temperature deviations (**5 Marks)**
- Audio/ visual alarm signal on temperature deviation (**5 Marks)**
- Automatically defrosting
- Lockable door for security (**5 Marks)**
- External digital temperature displays with max/min memory for continuous monitoring. (**5 Marks)**
- Digital temperature displays with an internal analogue thermometer display
- Should have Memory back-up during power failure and Self diagnostics function.
- Should have Remote alarm contact for alarm acknowledgement.
- With stainless steel bottom pan and shelf support
- Should have 4 castors with 2 adjustable levelling feet. (**5Marks)**
- With 2 lockable castors.
- With led Interior lighting(**5Marks)**
- Capacity gross/net, L: 326 L 0r bigger (**10 Marks)**
- Storage shelves/drawers 5/1(**5 Marks)**
- Stainless steel interior (**5Marks)**
- Recalculated air cooling
- Shelves for Refrigerator; Large: 2 No, Small: 3 No, Shelves for Freezer - 1 No.
- One-year warranty (**5Marks)**

Pass Mark 85%

7) Fluid Cabinet Warmer – Qty 1

WARM AIR BASED TEMPERATURE REGULATION SYSTEM
Specifications:

1. Three temperature settings
2. An ambient air setting.
3. Air temp at the nozzle of not more than +4/-2'C from the set temperature
4. The temperature sensor.
5. Airflow of not greater than 18 liters/second
6. Mounted on a rolling stand on caster wheels. Rolling stand height of 80cm from the ground and should have a storage basket.
7. Integral holder for the air hose on the unit hose length should be 1.8m
8. Both audible and visual alarms for an over and under temp situation.
9. The unit should utilize a high efficiency HEPA filter no greater than 0.2µ
10. Noise level of not greater than 53 decibels
11. To have heater element of less than 1200W
12. Dimensions not exceeding approx 34 x 22 x 22cm
13. Compatible with a range of blankets.
14. Blankets made of a non-woven polypropolene/polyethylene material.
15. Blankets should be permeable for air escape.
16. Blankets must meet flammability standards.
17. The units should be easy to clean and maintain.

Pass Mark 85%

8). Serum Ketone Analyzer - Ketoscan Breath Analyzer - Qty 1

Features

- Non-invasive 10 Marks
- Portable 10 Marks
- Hygienic –able to connect a disposable mouthpiece.
- electrochemical cartridge approx. every 300 tests. - 10 Marks
- alarm when device conduct approx. 300 tests.

Specifications

- Sensor type – high resolution acetone gas sensor **- 15 Marks**
- Display resolution – 0.1PPM to 10PPM, 1 PPM above 10PPM **- 5 Marks**
- Display range – 0.0 – 99 PPM
- Accuracy level – Less than 5PPM: +/-0.5PPM. Above 5PPM: +/- 10%**- 10 Marks**
- Warming up time – max. 40 - 70 seconds **- 5 Marks**

- Analysis time: approx. 3-6seconds **- 10 Marks**
- Mouthpiece: disposable
- Indication; ppm (parts per million) **- 10 Marks**
- Power source: rechargeable lithium polymer battery plus charger **- 10 Marks**
- Testing No with full charge: Approx. 50tests **- 10 Marks**
- CE/FDA
- 1 Year Warranty **- 10 Marks**

Pass Mark 85%

9). Reusable Pacing Pads -Qty 20

Specifications:

- Easy to be used, to allow simple but specific and optimal clinical performances both in emergency cases and for elective uses.
- Should meet different requisites of the patients.
  Description:
  Excellent adhesivity and to their particular shape, they perfectly stick to the patient's skin and should grant an homogeneous and uniform distribution of the current on all the conductive surface of the pad. **- 30 Marks**
- The low impedance values grant a low stimulation threshold and allow to make a very effective transcutaneous noninvasive pacing with the minimum trouble for the patient.
- Should have Models with cable of the right length and safety. **- 30 Marks**
- Should have anti shock connector to allow the direct connection without any adaptor to the devices of the main defibrillators. **- 25 Marks**

Pass Mark 85%

10). Wheelchairs (Standard) Specifications – Qty 15

- Half folding backrest with seatbelt (**10 Marks)**
- Flip back PU armrests for added comfort. (**5 Marks)**
- Detachable swing away leg rests with height adjustment with at least 7-inch ground clearance (**5 Marks)**
  Puncture proof swivel castors made from high grade rubber. (**15 Marks)**
- Durable smooth rolling wheels non inflatable with attached outer stainless steel hand rim on both wheels for self-propelling made of high-grade rubber- solid. (**20 Marks)**
- Adjustable aluminum brakes (**10 Marks)**
- Large comfortable push handles with hand brakes (**10 Marks)**
- Skirt/trouser guards
- Palm activated. quick release rear wheels
- Dismantles easily for transporting / Easy foldable.
- Capacity - 200kg. (**10 Marks**

Pass Mark 85%

11). Crash Cart – Qty 2

System Configuration.

- Emergency trolley (Emergency Crash Cart) with removable colored bins, storage units, fitted with oxygen cylinder holder and electric lamp holder and four swivels castors.

Technical Specifications

- Dimensions: approx. 900 - 980mm L x 450 - 5505mm W x 1500 - 1550mm H. - **10 Marks**
- Extendable worktop - **10 Marks**

- Push handle and side rail - **10 Marks**
- Lockable storage units – 4 drawers (stainless steel or moulded plastic). Wood or wood laminate construction drawers are NOT acceptable. **- 10 Marks**
- To be fitted with stainless steel, height adjustable, twin hook/loop, IV pole assembly. **- 10 Marks**
- CPR cardiac board with support
- Fully, 360 deg. swivel castors/wheels, size 125mm diameter with at least two castor/wheel to have locking/brake mechanism. Should have tread hardness and **plastic bumpers.** - **10 Marks**
- Fitted with epoxy powder coated oxygen cylinder holder and electric lamp holder with clamp and cardiac massage board. - **5 Marks**
- Must be capable of carrying ECG Monitor/defibrillator and a suction apparatus. - **5 Marks**
- Accessories: glove holders, shelves, bins, needle holders. - **5 Marks**

Standards and Safety Requirements

- Must submit ISO 9001 or ISO 13485:2003/AC:2007 & CE or USFDA approved product certificate.

Warranty

- Comprehensive warranty for 2 years. - **5 Marks**
- Maintenance Service During Warranty Period. - **5 Marks**

User's manual shall be supplied in English.
Installation and Commissioning - Must supply preassembled unit, ready to use
Pass Mark 85%

Defibrillator / Monitor (adult & Pediatric)– Qty 2

- Must be able to do Defibrillator & AED (Combined)
- Size- Approx. 6-15 inch, 4 waveforms - **10 Marks**
- Color TFT LCD or better
- Patient monitor-ECG, NIBP, Spo2 - **20 Marks**
- Pacing mode **- 10 Marks**
- AED mode
- Resolution- Approx.700- 800 x 480-500 pixels VGA with 32 brightness levels per color
- Recording Speed- 6.25mm/s , 12.5 mm/s ,25 mm/s, 50 mm/s +/- 10% nominal for ECG
- Input/Output: 3ECG– Lead patient cable, Paddle and "Hands free" adapter - **10 Marks**
- Acquisition: Full range lead selection i.e. I, II, III, aVF, aVR, V and paddles **- 5 Marks**
- Waveform – Biphasic Truncated Exponential, parameters adjusted as a function of patient impedance.
- Standard Operator Position-Within one meter of the device
- Power – 100- 240V AC,50Hz, with Rechargeable Lithium Battery, protectively grounded outlet, support not less than 300 - 500shocks @ 360J, or 10 hours monitoring or more, or 6 - 10 hours pacing at one charge with a new battery. **- 5 Marks**
- Shock Delivery- Via multifunction electrode pads or paddles
- Sensing for Pads/paddles-Apply 500 Na rms (571Hz); 200UA rms (32Hz)
- Charge Time-
  - Less than 5 seconds to the recommended adult energy level (150 Joules) with a new, fully charged battery installed.
- ISO/CE
- Two-year Warranty **- 5 Marks**

ACCESSORIES - 20 Marks

viii. **3 ECG**– Lead patient cable
ix. **SPO2** Re-usable
x. Multifunctional set of pads (adult and pediatric) Two Re-usable & Two Disposable each
xi. Re-usable NIBP cuff (Adult, Pediatric and Neonate) one each.
xii. Hands free multifunctional adapter
xiii. Thermal chart paper 5 pcs
xiv. Startup kit (2packets Electrodes and 5 bottle gel)

- Must be supplied with a Technical/Service manual (Both hard and soft copy)
- Must be supplied with a User/Instruction manual (Both hard and soft copy)
- Must be able Wireless transmission of event data to a Smartphone or a PC
- Supplier Must facilitate **HMIS** Connectivity at no extra cost.
- At least five or more Users and five Biomedical -Technical onsite Training.
- **Standards:** Monitor should comply with IEC 60601-1, Medical Devices Directive (MDD) 93/42 EEC and bear the CE mark.
- Storage: Should have at least last 1000 readings or more.
- Docking station in ambulance (both mounting and charging)- Must be provided.

Pass Mark 85%

12). Electro Surgical unit (Mono Polar & Bipolar) with 400W output – Qty 2

Specifications Electrosurgical Enit (monopolar and bipolar)

Technical Specifications- 35Marks

i. The unit should be a microprocessor controlled 350 KHz out put, up to 400 watts class Electro surgery unit with touch screen (Key Touch).
ii. Visual indicator for the actual power being delivered bar graph.
iii. The unit should have universal socket for bipolar, monopolar & neutral output socket along with multifunctional socket for vessel sealing based on plug & play mechanism.
iv. The unit should have heat dissipation without external air passing inside the unit i.e. internal cooling system (no conventional external air cooling system)
v. The unit should have precise monopolar and bipolar modes for fine & microsurgery applications.
vi. The unit should have facility to use very less voltage from 40 volts for precise applications.
vii. The unit should have the facility up upgrade with twin coagulation for simultaneous activation of 2 electrodes.
viii. The unit should have bipolar auto start functions.
ix. Automatic control of output power according to all currently available electrosurgical regulative technologies.
x. Should have the facility for preview function to shows the expected target tissue effect on display even prior to activation.
xi. Should have the facility to be up to date with the upgradable feature on site.
xii. Should have facility to program more than 190 with procedure or surgeon name.
xiii. Should have facility of self check of the unit after every on & off of the unit.
xiv. Should have facility to upgrade with optional bipolar cut & coagulation up gradation.
xv. Possibility for upgrading to APC, irrigation system, smoke evacuation system.
xvi. Unit should have type: Protection class CF, class 1.
xvii. Should have continuous patient monitoring with return electrode (neutral electrode).
xviii. Neo-natal safety system and neutral electrode safety system for paediatric applications.
xix Reusable vessel sealing instrument for open surgery-FDA approved instruments for 7 mm vessel sealing with 23 degrees bent and 150 mm length.
xx The unit should be supplied with nonstick bayonet bipolar forceps of Imm blunt &

xix. 0.4 mm fine top having length of 170 mm-200 mm with guide pin maintains parallel. The unit should be supplied with all standard accessories to make the system to work full functional includes (all accessories should be from same manufacturer).

a) Two pedal and single pedal foot switch - 1 no. - **5Marks**
b) Nonstick bipolar forceps & cable - 3 nos. - **5Marks**
c) Reusable monopolar pencil with cable 10 nos. - **5Marks**
d) Disposable monopolar pencil - 10 nos. - **5Marks**
e) Reusable patient plate with cable - 20 nos. - **5Marks**
f) Disposable patient plate with cable - 50 nos. - **5Marks**
g) Reusable vessel sealing for open - 2 nos. - **5Marks**

Power – must fit 100- 240 Vac 50/60 Hz with 3- std pin plug and 3-5m connecting cable. **- 5Marks**

Warranty – 2 years **- 5Marks**

Other terms and conditions - 5Marks

- Supplier shall provide original brochure (not download literature)
- Supplier Must provide an Operation/Instruction manual (hard copy & DVD)
- Supplier Must provide Technical/Service manual (hard copy & DVD)
- Supplier shall train the users in the operation of the equipment while installation.
- Supplier shall - train Biomedical Engineering staff at the premises of manufacturer or its approved training centre on maintenance and operation or Factory certified Engineer to train Biomedical Engineers.
- Manufacturer must have ISO certification for quality standards.

Pass marks 85%

13). SPECIFICATIONS FOR ANESTHESIA MACHINE – QTY 1

i).General description of use

A. Inhalation Anesthetic machine for operating theatres

Compact mobile inhalation Anesthesia machine with integrated ventilator and monitoring for pressure, flow, volume, & anesthetic gas; extended monitoring should be available.

Anesthesia system suitable for low flow or high flow anesthesia with rebreathing or non-rebreathing systems optimized for patients from neonates to adult.

B. General equipment and assembly

- Basic unit includes support for medical gas supply from central pipeline system, NIST or DISS connectors for O2, N2O and Air with back-up cylinders.
- Gas dosage system with integrated hypoxic guard with no less than 21% O2 concentration.
- Support for breathing systems including hoses and absorber, ACGO.
- Anesthetic ventilator range from neonates to adults (2mLto 2000mL).
- Precise electronic control vaporizing system & monitoring
- Various measurement and monitor units (able to change mmHg, cmH2O, inches pascal etc)
- Anesthetic gas scavenging system & monitoring must be included.
- The cupboard with three drawers must be part of machine.
- Two stage adjustable working light
- Four or more auxiliary power outlets on the machine.

C. Technical specifications

- Full color 15.0 to 22 -inch LCD capacitive touch screen with 1080p resolution **– 2.5 Marks**
- The screen could be rotated and tilted, and brightness-adjustable **– 2.5 Marks.**

- Slave screen to display the system status, e.g., gas supply pressure, vaporizer status.
- Gas supply from central pipeline system for the following gases: O2, Air and N2O with digital gas supply pressure monitoring.
- Pipeline input range: 280 kPa to 600 kPa **- 2.5 Marks**
- NIST or DISS connectors for central gas supply **(pin index for cylinders & Cylinders with driver gas hoses oxygen, air, nitrous (5meters) with necessary attachments – color coded Must be part consignment) – 2.5 Marks.**
- Basic machine with electronic control vaporizers for two vaporizers
- Integrated pneumatic-driven, electronically controlled Anesthetic ventilator.
- Volume exchanger breathing system without bellow design.
- AGCO outlet for non-rebreathing circuit, status prompt on the screen when ACGO on.
- Trolley with central brake and cable pusher on each caster
- Vertical mounting rails on both sides of the machine for additional monitoring or accessories
- Active AGSS which should be suitable for high-flow low-vacuum or low-flow high-vacuum.
- Scavenging flow rate should be monitored and automatically switched off when standby.
- Suction system which should be suitable for external pipeline vacuum system or built-in venturi system.
- Backup battery time up to 80 - 100min or better
- Four AC output supply which could equipped with isolation transformer.
- Network communication with RJ-45 connector and working under standard HL7 protocol.
- The data from anesthesia machine could be shown on patient monitor.
- Modular design for anesthesia machine which could share monitor module with patient monitor.
- Plug-and-Play modular of Anesthetic Agent/Gas with Paramagnetic O2 monitoring.
- Plug-and-Play modular of BIS monitoring.
- Plug-and-Play modular NMT monitoring.
- Fully automatic pre-use system check without user intervention during test
- Scheduled automatic system check at pre-set time.
- Anesthetic prediction function to display short trend waveforms of FiAA, EtAA, FiO2 and EtO2 in the last 10 min and prediction trend waveforms of FiAA, EtAA, FiO2 and EtO2 in the next 20 min.

ii) Gas dosage

- Gas dosage for O2, Air and N2O **- 5 Marks**
- Electronic/digital flowmeter/gas mixer (not mechanical control, digital display)- **2.5 Marks**
- Hypoxic guard system provides 21% to 100% (balance gas is Air) or 26% to 100% (balance gas is N2O)
- Fresh gas adjustment with mechanical-pneumatical settings **– 2.5 Marks**

- Specification of fresh gas flow range:
    - O2 Range: 0.0 - 15.0 L/min,
    - N2O Range: 0.0 - 12.0 L/min,
    - Air Range: 0.0 - 15.0 L/min,

- Up to 15L/min mechanical backup O2&Air flowmeter could be switched on automatically when system failure with up to 15L/min **– 2.5 Marks.**
- Auxiliary flowmeter with O2 and Air mixture for nasal oxygen, flow rate up to 100 L/min, with glass tube and LED display. The flow rate and oxygen concentration could be set directly.
- Flow pause function allows the fresh gas flow and ventilation to be paused for 1 minute (default)
- Fresh gas flow indicator to guide the optimal fresh gas flow rate regarding the leakage and patient consumption.

iii) Vaporizer system

- Support 3 vaporizer positions **- 10 Marks**
- Agent calibrated vaporizer for Isoflurane, Sevoflurane, Halothane.
- Monitoring and alarm of liquid level and malfunction
- Switch between two agents directly **– 5 Marks**
- The usage volume of anesthetic agent could be calculated automatically during and after surgery, showing on the screen.
- Automatic controlled anesthesia to achieve the pre-set target end-tidal agent concentration and inspiratory oxygen concentration automatically. **- 5 Marks**

iv) Breathing system

- Compact design
- Integrated heating system for breathing system **–5 Marks**
- Soda lime absorber canister (capacity 1.5 to 2.5 L) with optional CO2 bypass function
- flow sensors located at inspiratory and expiratory port.
- Visible inspiratory and expiratory valve
- Mechanical pressure gauge for airway pressure monitoring
- Illuminate around APL valve.
- Whole breathing system must be autoclavable (134 ℃) including flow sensors. Or cold sterilization – **2.5 Marks.**
- Should provide reservoir bags. 500ml, 1000ml, 2000ml.
- Parking position for Y-piece
- Hooks for cable management of breathing tubes
- Sample gas from the multi-gas module could be returned to the breathing system **– 2.5 Marks.**

v)Anesthetic ventilator

- Electronically controlled, pneumatic-driven ventilator

- Suitable for neonates to adults without changing of any ventilator parts.
- Default control parameters could be decided by patient ideal body weight (IBW)
- Displaying the tidal volume divided ideal body weight (ml/kg) as TV changes.
- Dynamic tidal volume compensation automatically
- Ventilation should not be interrupted if there is excessive leakage.

Modes of ventilation- 12 Marks

- ✓ Spontaneous ventilation
- ✓ Manual ventilation
- ✓ Cardiopulmonary bypass
- ✓ Volume Control Ventilation (VCV)
- ✓ Pressure Control Ventilation (PCV)
- ✓ Pressure Control Ventilation- Volume Guarantee (PCV-VG)
- ✓ Synchronized Intermittent Mandatory Ventilation (SIMV-VC, SIMV-PC)
- ✓ Pressure Support Ventilation (PS)
- ✓ Optional Continuous Positive Airway Pressure/Pressure Support Ventilation (CPAP/PS)
- ✓ Synchronized Intermittent Mandatory Ventilation Volume Guarantee (SIMV-VG)
- ✓ Airway Pressure Release Ventilation (APRV)
- ✓ Adaptive Minute Ventilation (AMV)

Control parameters range - 12 Marks

- ✓ Tidal volumes 3 – 2,00mL **(**Increment of 1mL)
- ✓ Frequency 4 – 100 bpm
- ✓ PEEP 4 to 50 cmH_2O (increments of 1 cmH2O)
- ✓ I:E ratio 4: 0.3 to 1 : 8(increments of 0.5)
- ✓ Pressure (inspired) range 5 - 90 cmH_2O(Increment of 1 cmH2O)
- ✓ Pressure (limit) range 5 - 100 cmH_2O
- ✓ Pressure (support) range 0, 3 - 60 cmH_2O
- ✓ Inspiratory pause time OFF, 5 - 60%
- ✓ Inspiratory time 0.2 - 10 s (increments of 0.1 seconds)
- ✓ Flow trigger 0.2 to 15 L/min (increments of 0.5 L/min)
- ✓ Pressure trigger -20 to -1 cmH_2O
- ✓ Expiratory trigger 5% to 80%

- Lung recruitment tools with sustain inflation and PEEP stepwise maneuvers.
- Scheduled recruitment function in pre-set interval.

vi) Monitoring and alarm - 4 Marks

- Monitoring must show the waveforms of Pressure, Flow, Volume, CO2, O2, Anesthetic gas, N2O.
- Machine Should have capnograph.
- Up to 5 waveforms display simultaneously.
- The monitoring must show the F-V, P-V, F-P loops.
- Graphical and numeric displays could be configured directly on the main screen and saved as profiles.
- Monitoring must be able to all setting and alarm parameters (including Breath rate, I/E ratio, Tidal volume, Minute volume, PEEP, MEAN, PEAK, PLAT, and O2 concentration, EtCO2, N2O, Aesthesia gas concentration)

Monitoring parameters range

- Tidal volume 0 – 2000
- Minute volume 0 – 100L/min
- Minute volume leakage 0 – 10.0 L/min
- Insp. Peak pressure -20 – 120 cmH_2O
- Pmean -20 – 120 cmH_2O
- PEEP 0 – 70 cmH_2O
- Insp.O_2 (FiO2) 18 – 100 %
- Resistance (R) 0 – 600 cmH2O/(L/s)
- Compliance (C) 0 – 300 ml/cmH2O

Adjustable high / low limits with audio and visual alarms – 2.5 Marks

- Airway pressure High/Low
- Minute volume High/Low
- Tidal volume High/Low
- Insp. O2 concentration High/Low
- Apnea
- System leakage or disconnection
- Power supply failure
- Gas supply failure
- Auxiliary pressure monitoring with waveforms and parameters of esophageal pressure and transpulmonary pressure
- 10000 entries of alarm and event logs could be saved and output by USB.
- 30 to 60 hours of continuous historic trend data could be saved and output by USB.
- Up to 50 screenshots could be saved and output by USB.

vii) OTHERS – 2.5 Marks

- Power supply **100 - 240V 50/60 Hz**
- Power outlet with **4 socket outlets**
- Pneumatic controlled
- **Power backup about one (3) hour**
- Serial Interface **RS-232C port**
- Movable trolley with antistatic castors (with brake) with built-in drawer cabinets
- Carbon dioxide absorbent canister with integrated sensing mechanism
- **Safety compliance EN 60601 – 1 – 2**

  EN 60601 – 1

  CE / FDA Approved
- Supplier shall provide **3KVA ONLINE SMART UPS** compatible with the machine.

viii) Other terms and conditions - 2Marks

- Supplier shall provide original brochure (not download literature)
- Supplier Must provide an Operation/Instruction manual (hard copy & DVD)
- Supplier Must provide Technical/Service manual (hard copy & DVD)
- Supplier shall train the users in the operation of the equipment while installation.
- Supplier shall - train Biomedical Engineering staff at the premises of manufacturer or its approved training centre on maintenance and operation or Factory certified Engineer to train Biomedical Engineers.
- Startup kit must be provided.
- Supplier shall provide separate list and cost of consumables, service kits and upgrading kits.
- Supplier shall provide three sets of both paediatric/Adults autoclavable reusable circuits. Closed circuit for paediatrics and adult, specify length, single use Mapleson For reusable.
- Manufacturer must have ISO certification for quality standards.
- **Warranty period one (3) year.**
- Supplier must facilitate machine integration into HMIS at no extra cost.

Pass mark 87.5%

14). Stethoscope –pediatric – Qty 4

- Dual-side chest piece with Approx. 3.3cm diaphragm (**40 Marks**)
- Versatile chest piece for high acoustic sensitivity with a floating diaphragm and open bell(**10 Marks**)
- No-chill rim and diaphragm.
- Soft sealing ear tips(**5Marks**)
- Adjustable headpiece (**10 Marks**)
- Angled ear tubes (**10 Marks**)
- Diaphragm; Epoxy/fiberglass

- Tunable diaphragm; high & low frequency sounds (**10 Marks**)
- ISO/CE

Pass Mark 85%

Stethoscope – Specifications (Adult) – Qty

Components:	Chest piece with two cups: flat and conical. **- 40 Marks** Y-shaped tube Adjustable arms with flexible spring. **- 10 Marks** Two earpieces. **- 20 Marks**
Materials:	Pivoting chest piece: aluminum, stainless steel, or chrome plated brass. All-frequency diaphragms in high-resolution epoxy glass. Y-tube: treated rubber (vinyl). Arms and spring: stainless steel. Earpieces: plastic.
Specifications:	Instrument used for sound auscultations within the body. Binaural stethoscope with a receiving plate into which the two flexible ear-tubes converge. Double cup stethoscope with pivoting chest piece: one side of the cup is large and flat-shaped and the other small and conical-shaped (bell). Arms with spring, designed to retain constant springiness and maximum reliability and comfort. Screw-on replaceable earpieces. Y-tube with large diameter: 10mm.
Adult:	Can be used for adults (large side) and in pediatrics (bell side). Size: adult 43mm, pediatric 28mm, overall length +/- 77cm. Sensitivity 3.2dB, ranging from 50 to 500Hz for cardiology. Sensitivity 8.1dB, ranging from 600Hz to 1500Hz for pneumology.
Packaging:	Unit presentation: Supplied in a box with replacement diaphragms (large and small) one each and 1 pair of replacement earpieces.**15Marks**

Pass Mark 85%

15). Patient monitor (Cardiac) technical specifications (modular)-functions Qty – 10.

a) User Interface:

1) 12” - 22" or bigger TFT LCD, Touch Screen, quick access menu and hard keys for easy use (**5 Marks**)
2) Menu structure and fixed keys
3) At least 3 waveforms including ECG, SpO2 and RESP (**5 Marks**)
4) Alarm levels -Life-threatening, serious, and advisory, Adjustable by user.
5) Indicator LEDs - power, alarm, charge (**5 Marks**)
6) Patient monitor must be in modular and should have 7 functions (**5 Marks**)

b) Standard Parameters: must have modular

1) 3 and 5 leads ECG, (**5 Marks**)
2) Patient monitor’s Modules can be used as transport monitors. (**5 Marks**)
3) Respiration,
4) Heart Rate, (**2.5 Marks**)
5) Basic Arrhythmia,
6) SpO2, analysis (**5 Marks**)
7) Pulse rate (**2.5 Marks**)
8) Non-Invasive Blood Pressure
9) Temperature analysis (**5 Marks**)
10) At least 2 Invasive Blood Pressure measurements
11) ETCO2 (**5 Marks**)

c) Thermal Printer: -Inbuilt, with up to 3 traces.

d) Monitoring Capability: -Neonatal, pediatric, and adult applications (ECG, SPO2, $EtCO_2$, Temp, NIBP, IBP) and with Audible and visual alarms, adjustable alarm ranges (**5 Marks**)

e) Accessories: Monitor must be supplied with:
1) Accessories for all specified parameters
2) Operator/Instruction Manual (Both hard and soft copies)
3) Technical/Service Manual (Both hard and DVD copy) (**5 Marks**)
f) Mounting Option: - 5 arm (star) Roller stand with at least 2 lockable castors (**5 Marks**)

g) Information Management Capabilities:
1) Data storage 120 hours or better
2) Data resolution 60 seconds
3) Trend tables 1, 5, 15, 30 or 60 minutes
4) Trend graphs 1, 2, 4, 8 or 12-hour display
5) Networkable with central monitoring system and HMIS (**5 Marks**)
6) Scanning Speed (mm/sec): 6.25, 12.5, 25, 50
7) Frequency Response: 0.05-100Hz
8) Heart Rate Accuracy: ±1%

h) Power Requirements:
1) Rated Voltage 100 - 240V a.c 50Hz /60HZ (**5 Marks**)
2) Battery type Rechargeable (**5 Marks**)
3) Battery capacity 120 minutes

i) Standards: Monitor should comply with IEC 60601-1, Medical Devices Directive (MDD) 93/42 EEC and bear the CE mark. (**5 Marks**)

j) Manufacture's authorization**. (5 Marks)**

k) Monitor must be supplied with at least 2 years' warranty **(5 Marks)**

l) Supplier must provide user training during installation

m) Supplier must provide one Biomedical Factory training.

n) Startup kit must be provided (100 Pcs of Chest Electrode) **(5 Marks)**

o) Supplier must facilitate machine integration into HMIS at no extra cost.

Pass Mark 85%

Vital Signs Monitor Specifications- Qty 6

User Interface

8) Quick access menu and hard keys (**2 Marks)**
9) Menu structure and fixed keys (**2 Marks)**
10) Alarm levels -Life-threatening, serious, and advisory. (**2 Marks)**
11) Indicator LEDs - power, alarm, charge (**2 Marks)**
12) Upto 2000 groups NIBP data storage and SPO2 (**2 Marks)**
13) Display size Approx 8" – 15"x 8" - 15" inches high brightness TFT LCD display (**2 Marks)**
14) Full touch Screen

e) **Standard Parameters**

6) SpO_2, Measurement range 0% - 100% (**10 Marks)**

7) Pulse rate Measurement range 30bpm – 250bpm (**10 Marks)**
8) Non-Invasive Blood Pressure Measurement range 25 -260mmHg single - hose Tubing. (**10 Marks)**
9) Temperature (**4 Marks)**
10) 3/5-lead ECG lead set (**10 Marks)**

f) **Monitoring Capability**: -Neonatal, Pediatric, and adult applications; Pulse Rate/SpO_2/ Temp /NIBP. (**10 Marks)**

g) **Accessories: - Accessories** for all specified parameters (BP Cuff 4pcs, Hose 2m long, Temperature probe, SPO2 Neonate, Pediatric and Adult).
- Operator's Instruction Manual (hard copy)
- Technical/Service Manual (hard copy) (**5 Marks)**

e) **Mounting Option: -** Roller stands with at least 2 lockable castors .

f) **Power Requirements: -** Voltage 100 - 240V a.c 50/60Hz, Battery type Rechargeable, Battery capacity 120 minutes. (**10 Marks)**

h) **Standards: -** Standards: Monitor should comply with IEC 60601-1, Medical Devices Directive (MDD) 93/42 EEC and bear the CE mark**.**

i) **Warranty: -** The unit must be supplied with one year warranty (**10 Marks)**

j) **Training:** Supplier must provide User training and Five Biomedical Factory training.

Pass Mark 85%

16). Patient Trolleys (Hydraulic Stretchers) - Qty 10

- Capacity of 220Kg (**25 Marks)**
- Must have rubber bumper on four corners.
- Height adjustable approx. 500- 950mm (**10 Marks)**
- Oxygen cylinder holder & try for placing X-Ray cassette. (**10 Marks)**
- Framework made of tubular Stainless-steel pipe.
- Swing away safety side railing.
- Adjustable IV rod (**10 Marks)**
- Foam padded top 6 inches thick mattress.
- Waterproof mattress, easy to wash, disinfect and should not stain. (**10 Marks)**
- Trolley mounted on four - 8 inches' diameter castors two with brakes. (**10 Marks)**
- Pedal control elevation and Trendelenburg/reverse Trendelenburg located.
- Dimensions: 180 – 196 x 50 - 64 x 61- 95 cm.
- User manual
- One year warranty (**10 Marks)**

Pass Mark 85%

HIGH END RADIOLOGY ULTRASOUND MACHINE TECHNICAL SPECIFICATIONS

NO.	**ITEM**	**SPECIFICATION**	**Marks**	
1.	**Basic Specs**	Fully Digital Premium Color Doppler Ultrasound Unit		
		Unit should offer at least **a 22 -32-inch** or higher-high-definition color monitor as the machine is intended for diagnosis, training, and research. State the size and technology	**10 Marks**	
		The system must have a **10 -13"** or larger touch command screen for ease of operations		
		Unit must be latest technology. State the year in which the unit was manufactured.		
		System must run on the latest Operating System		

		(State if Windows 10 Compliant or Windows 11)		
		System should have at least **5 Active** UNIVERSAL Probe Ports (No Dedicated Ports)		
		Unit should enable electronic switching of probes ensuring probes can be moved from port to port without switching off the machine		
		System should be housed on a mobile cart with 4 Swivel Wheels		
		System should have Gel warmer		
		User interface must be height adjustable to a height comfortable to scan while the user is standing. State height of adjustment		
		System must allow rotation of the system console from the center to an angle exceeding 160 Degrees.		
		System needs to have over 4,000,000 digital processing channels		
		System should have Image frequency range of 0 to 25 MHZ		
		Systems dynamic range needs to be above 300dB		
		System should a Hard Drive of at least **4TB Storage** dedicated for Image Storage		
		System should have remote service connectivity to enable remote trouble shooting		
		System should have multiple accessible USB Ports as well as a Display Port for Connecting to a Modern Smart TV for Training		
		System must have an internal battery for quick turn on after transportation or engaging sleep mode		
2.	**Software**	System must have the following clinical areas: Abdomen, Breast, Small Parts, Gynecology, Prostate, Obstetrics, Urology, Transrectal, Transvaginal, Musculoskeletal, Interventional GI, Adult Cardiology & TCD, pediatric Imaging settings	**10 Marks**	
		System must have multiple scanning modes including B-Mode, M-Mode, Color Doppler, Power Doppler, Pulse Wave, Directional Power Doppler, Continuous Wave Doppler		
		System must offer comprehensive calculation packages in all clinical areas e.g., General Imaging, Obstetrics, Gynecology, MSK, Breast, Cardiology & Small Parts, pediatric		
		System should have Compare Feature to compare previously stored images during live		

		scanning		
		System must be capable of a scan depth of more than 35 cm to cater for obese patients		
		System must have a compounding feature to aid in penetration		
		System must have a variable speckle/noise reducing software. State the speckle reduction levels		
		Indicate if the unit can offer trapezoid software capabilities on all transducers.		
		Real time duplex and triplex mode must be standard.		
		System should have a single button for image optimization to reduce exam time		
		System should have tissue harmonics imaging for better visualization of lesion borders and edges		
		System must have an inbuilt Anti-Virus for data security at the time of delivery.		
		System must have a feature for automatic doppler calculations e.g., RI, PI & HR during PW Examinations		
		System should have a feature to automatically adjust sample volume, color box and angle during vascular doppler studies to aid in quick doppler examinations		
		System should have a feature to maximize visualization of blood in minute blood vessels		
		System should have a feature utilize the entire scanning monitor offering large image viewing are for users		
		System must have a for hiding patient information for acquisition of images for presentations		
		System must offer user programmable annotation for quick labelling.		
		System should allow users to create/save their own presets		
		System should allow users to create and save their own imaging protocols to enhance department's workflow		
		System must have customizable report template.		
		System should be able to save loops and images in PC Format (MP4, AVI, JPEG) during export		
		System should allow capture of both prospective and retrospective loops		
		System should support panoramic imaging		
		System should have needle visualization software		

		System must be DICOM 3.0 Compliant & enabled		
		System must have DICOM Worklist Feature		
		System must have DICOM Query Retrieve, Structured Reporting & DICOM Receive		
		System should have a feature for automatic placement of calipers during foetal biometry measurement		
		System must have a Shear Wave Elastography for Liver Imaging including software to assess for liver fibrosis		
		System must have a Shear Wave Elastography for Breast, thyroid Imaging		
		System must have a feature to quantify liver fat as well as measure hepatorenal index		
		System must have a feature to evaluate for and quantify liver fibrosis - Fibro scan		
		System must have a feature for automatic measurement of the thickness of tunica intima and tunica media		
		System should have High Definition Read/Write Zoom		
		System must have the capability to capture raw data to aid in post-processing of stored images		
		System must have 4D Imaging Capability		
		System must have STIC Capability		
		System must have a Quad Screen View during 4D Imaging enabling users to see X, Y, Z & 4D Image Planes		
		System must have Advanced 4D Imaging enabling users to visualize anatomy in lifelike format		
		System must have a feature that allows for transparent view of the fetal anatomy to aid in detecting congenital abnormalities		
		System must have a feature that automatically sculpts overlaying tissues to reveal the baby's face		
		System must allow users to manipulate 4D images on the touch screen such as zoom and rotate		
		System must allow users to simultaneously visualize orthogonal views of various scanning planes		
		System must have a feature to post-process 4D images including cropping and manipulating of images		
		System must have a feature that allows users to visualize anatomy in slices in a CT-like format		

3.	**Transducers**	Multi frequency Curved Transducer for Abdominal, Obstetrics & Gynecology Imaging, 1-5 MHz State the MHz Range	**10 Marks**	
		High frequency Linear Transducer for Deep Vascular & Superficial Vascular Imaging, 3-11 MHz State the MHz Range		
		Multi frequency Linear Transducer for Musculoskeletal, Breast & Superficial Vascular Imaging, 3-20 MHz State the MHz Range		
		Multi Frequency Transvaginal Transducer for Transvaginal Examinations, Frequency 4-10 MHz State the MHz Range		
		Multi Frequency Transrectal Transducer for Transrectal Examinations, Frequency 4-10 MHz State the MHz Range		
		Multifrequency 4D Transducer for Obstetrics 4D Examinations, Frequency 2-8 MHz State the MHz Range		
		Multi Frequency Adult Cardiac Transducer for Adult Cardiac, Pediatric Cardiac & TCD Examinations, Frequency 1-5 MHz State the MHz Range		
4.	**Peripherals:**	2 Reusable Curvilinear Biopsy Kits	**10 Marks**	
		2 Linear Reusable Biopsy Kits		
		2 Reusable Transrectal Biopsy Kits for use on the Dedicated Transrectal Probe		
		2 Boxes of each 5pcs of Non-Reusable Transrectal Biopsy Kits for use on the Dedicated Transrectal Probe		
		A6 BW Thermal Printer with at least start up 10 Rolls		
		CD/DVD writer with the required software for active use, must be standard and integrated in the system		
		Recorded data on CD/DVD must be readable on any standard laptop/computer with additional software, if necessary, from the supplier at no extra cost.		
		A **suitable** UPS (online/smart) must be provided and included in the tender price (Minimum 2.0 kVA True Online UPS)		
		System should have an On-Board Storage Shelf		
		System should have a pullout keyboard in addition to the virtual keyboard		
5.	**Ergonomic design**	Four-wheel swivel and two should have brakes		
		High mobility cart		

		Integrated cable management	**5 Marks**	
		Front and rear handles		
		At least Five active transducer ports		
		Integrated probe holders		
		System should have Gel warmer		
		Ergonomic hard key layout including trackball		
		High resolution color LED Monitor & Touch Panel		
		Resolution Full HD 1920 x 1080 pixel		
6.	**Printer / image printing**	Integrated printers:	**5 Marks**	
		External Color Thermal Printer (USB)		
		External Color desktop printer with network printing capabilities & connection kits for printing reports and images Nb. Can print A4		
		Compatibility with HMIS – vendor must facilitate at no extra cost		
7.	**Acquisition frame rate / cine review**	Prospective or Retrospective Cine Mode	**5 Marks**	
		Dual/Quad image CINE Display		
		CINE Review Loop		
		Length - 2D - 512MB: up-to 10 min and 13,200frames		
		Color Flow /M-Mode 64 -128MB: up-to 1min motion time		
8.	**Hardware**	Storage - Side Basket / Front Shelf / Top shelf Storage	**5 Marks**	
		Battery Pack		
		Up to at least 4TB SSD Hard Drive or bigger.		
		Vertical TV probe Holder 2D/3D		
9.	**Electrical power/ video parameters**	100-240volts NTSC/PAL fitted with 3 pin plugs	**5Marks**	
		50Hz/60Hz		
		Integrated A/C line conditioning		
		Power consumption 750VA-1000VA or better consumption level.		
		Power Assist battery backup ups (online UPS) of 2.0KVA or above		
		Resettable over current breaker shall be fitted for protection. The unit shall be capable of operating continuously in ambient temperature of 30 deg C and relative humidity of 80%		
10.	**Input /output ports**	Integrated Video Converter (VGA, S-Video, Composite BNC)	**2.5 Marks**	
		Standard USB interface for plain paper printers		
		Wireless display module (HDMI/USB)		

		System must supplied with one active Foot Switch		
		External Print Trigger		
		WLAN Adapter (USB)		
11.	**Safety Standards & Warranty:**	CE Marked	**2.5 Marks**	
		European standard of safety of medical electrical equipment EN 60601-1 plus collateral standards and safety of ultrasonic medical diagnostic equipment including acoustic output measurements.		
		The product shall comply to IEC 60601-2-37 ed1: Medical Electrical Equipment - Part 2-37: Requirements for the Safety of Ultrasonic Medical Diagnostic and Monitoring Equipment.		
		Type of protection against electric shocks -- Class I Degree of protection against electric shocks for ultrasound probes Type "BF" For ECG electrodes Type ‘CF"		
		Manufacturer/Supplier should have ISO certification for quality standard		
		Two (2) Year Warranty. Provide a comprehensive Service contract for years Five (5) after end of warranty that includes mandatory software upgrades & updates		
12.	**Future Upgradability**	System must be upgradable to Fusion & Navigation	**5 Marks**	
		System must be upgradable to Contrast Enhanced Ultrasound Imaging for General Imaging		
		System must be upgradable to Contrast Enhanced Ultrasound Imaging for Cardiac Imaging		
		System should be upgradable to PercuNav Application		
13.	**Training**	Vendor to provide 5 Days of Onsite Clinical Training on Installation or until user conversant on operation.	**2.5 Marks**	
		Vendor to provide Onsite first-line technical training to our biomedical engineering department for a period of 5 days		
14.	**Manuals**	Technical manual – with electrical circuit drawings	**2.5 Marks**	
		Operator manual English		
		Comprehensive Service manual in English.		

		List of important spare parts and accessories with their part number and costing available in stock with the supplier.		
15.	**Maintenance and Serviceability**	Remote Service Network Connectivity when given Access by user	**2.5 Marks**	
		Optional Service agreement		
		Online phone Support		
		Clinical application support		
16.	**START UP REQUIREMENTS**	Ultrasonic Gel (five liters' plastic bottle) - No. 1	**2.5 Marks**	
		For A 4 - 10 reams.		
		Ultrasound printing paper rolls 110mmX20 mm High Density, Glossy - 10 rolls.		

Pass mark 85%

ONLY FIRMS ATTAINING 85% AND ABOVE IN TECHNICAL SCORE DURING TECHNICAL EVALUATION WILL PROCEED TO FINANCIAL EVALUATION.

C	FINANCIAL EVALUATION	
	• Financial Evaluation will be carried out on lowest cost basis per item • Kenyatta University Teaching, Referral and Research Hospital will award the items to the lowest evaluated responsive bidder per item for the equipment. • If there is a tie on the lowest quoted price between two firms; the contract quantities may be equally shared or the proceeding may be subjected to competitive negotiation. • Unrealistic low or high prices shall be rejected as may be guided by prevailing market price.	

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

INSTRUCTIONS TO TENDERERS

i) The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address.

ii) All italicized text is to help Tenderer in preparing this form.

iii) Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION OF THE TENDERER attached to this Form of Tender.

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 (ITT7);

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 KUTRRH 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 is:

Option 1, in case of one lot: Total price is: *[insert the total price of the Tender in words and figures, indicating the various amounts and the respective currencies];*

or

Option 2, in case of multiple lots: (a) Total price of each lot [*insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies*]; and (b) Total price of all lots (sum of all lots) [*insert the total price of all lots in words and figures, indicating the various amounts 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 commissionor 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) We, the Tenderer, have completed fully and signed 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.

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

_____

[*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) f*or .....*(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, Regulationsand 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

(Appendix 1 shall not be modified)

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 relatedto 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 asper 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 KUTRRH under subsection (7) does not limit any legal remedy KUTRRH may have;

5) An employee or agent of KUTRRH or a member of the Board or committee of KUTRRH 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.

23 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 KUTRRH 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 KUTRRH of the benefits of free and open competition.

c) Rejects a proposal for award[1] 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[2] 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.

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 *[insert Tenderer's legal name]*
2. In case of JV, legal name of each member: *[insert legal name of each member in JV]*
3. Tenderer's actual or intended country of registration: *[insert actual or intended country of registration]*
4. Tenderer's year of registration: *[insert Tenderer's year of registration]*
5. Tenderer's Address in country of registration: *[insert Tenderer's legal address in country of registration]*
6. Tenderer's Authorized Representative Information Name: *[insert Authorized Representative's name]* Address: *[insert Authorized Representative's Address]* Telephone/Fax numbers: *[insert Authorized Representative's telephone/fax numbers]* Email Address: *[insert Authorized Representative's email address]*
7. Attached are copies of original documents of *[check the box(es) of the attached original documents]* ☐ For Kenyan Tenderers a current tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority in accordance with ITT 3.14. ☐ 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. ☐ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT 3.1. ☐ 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, a list of Board of Directors, and the beneficial ownership.

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.

	Names of Director	**Nationality**	**Citizenship**	**% Shares owned**
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.

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

(ii) Conflict of interest disclosure

	Type of Conflict	**Disclosure YES OR NO**	**If YES provide details of the relationship with Tenderer**
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.		

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
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. Tenderer's Name: *[insert Tenderer's legal name]*
2. Tenderer's JV Member's name: *[insert JV's Member legal name]*
3. Tenderer's JV Member's country of registration: *[insert JV's Member country of registration]*
4. Tenderer's JV Member's year of registration: *[insert JV's Member year of registration]*
5. Tenderer's JV Member's legal address in country of registration: *[insert JV's Member legal address in country of registration]*
6. Tenderer's JV Member's authorized representative information Name: Address: Telephone/Fax numbers: Email Address:
8. Attached are copies of original documents of ☐ 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. ☐ 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, a list of Board of Directors, and the beneficial ownership.

Price Schedule Forms

SNO	ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
1.	Patient monitors	PIECES	6		
2.	Ventilators	PIECES	6		
3.	Syringe Pumps	PIECES	12		
4.	Infusion Pumps	PIECES	12		
5.	Feeding Pumps	PIECES	12		
6.	Vital Signs Monitor	PIECES	7		
7.	Electrical suction units 650mmhg	PIECES	8		
8.	Infrared thermometer	PIECES	8		
9.	Digital weighing machine(chair)	PIECES	8		
10.	Digital weighing machine(standing)	PIECES	7		
11.	Diagnostics System Kit(consultation room)	PIECES	20		
12.	Crush cart with defibrillator	PIECES	2		
13.	Linen Trolley	PIECES	18		
14.	Drug Trolley(stainless steel)	PIECES	18		
15.	Laryngocope Autoclavable-5 blades	PIECES	10		
16.	Patient bed(3 crank)+matress+mackintosh	PIECES	51		
17.	Bedside lockers	PIECES	51		
18.	Patient stretchers stainless steel	PIECES	10		
19.	Examination Couch(standard)	PIECES	10		
20.	Examination Lamp(LED)	PIECES	10		
21.	Commodes Chairs	PIECES	10		
22.	Walkers	PIECES	10		
23.	Wheel chairs(Standard)	PIECES	10		
24.	ECG Machine	PIECES	3		
25.	Drug Fridge	PIECES	2		
26.	Blood warmers	PIECES	1		
27.	Drip Stand	PIECES	40		
28.	Stethoscope(Adult)	PIECES	15		
29.	Stethoscope(Pediatric)	PIECES	15		
30.	Wall Oxygen Flowmeters	PIECES	18		
31.	Nebulizer	PIECES	10		
32.	Chemotherapy Chairs	PIECES	6		

33.	Biosafety cabinet for chemotherapy mixing	PIECES	2		
34.	Macerator	PIECES	2		
35.	**DELIVERY FOR THE ABOVE ITEMS(NO.1 TO 34) WILL BE SUPPLIED,DELIVERED,COMMISSIONED AND RECEIVED AT GATUNDU LEVEL FIVE HOSPITAL AN ANNEX OF KENYATTA UNIVERSITY TEACHING,REFERRAL AND RESEARCH HOSPITAL.**				
36.	Digital weighing machine with height and voice	PIECES	10		
37.	Bubble CPAP Generator system for neonates	PIECES	2		
38.	Laryngoscope Autoclavable Neonate/paeds 5 adult 5	PIECES	10		
39.	Therapeutic Cooling with ECG Monitoring	PIECES	1		
40.	Baby cots with castors	PIECES	10		
41.	Breast Milk Storage Fridge	PIECES	1		
42.	Fluid cabinet warmer	PIECES	1		
43.	Serum Ketoscan Breath analyzer	PIECES	1		
44.	Reusable pacing pads	PIECES	20		
45.	Wheelchairs	PIECES	15		
46.	Crash cart+ defibrillator	PIECES	2		
47.	Electro surgical unit(mono polar and bipolar)	PIECES	2		
48.	Anesthesia machine	PIECES	2		
49.	Stethoscope(Pediatric 4 and adult 4)	PIECES	4		
50.	Patient monitors	PIECES	4		
51.	Patient stretchers(hydraulic)	PIECES	10		
52.	High End Ultra-Sound Machine	PIECES	1		
DELIVERY FOR THE ABOVE ITEMS(NO.37 TO 53) WILL BE SUPPLIED,DELIVERED,COMMISSIONED AND RECEIVED AT KENYATTA UNIVERSITY TEACHING,REFERRAL AND RESEARCH HOSPITAL.					

Price Schedule: Goods Manufactured Outside Kenya, to be Imported – Bidder to modify as necessary

				(Group C Tenders, goods to be imported) Currencies in accordance with ITT 15			Date: _____ ITT No _____ Alternative No: _____ Page N□ _____of _____	
1	2	3	4	5	6	7	8	9
Line Item N	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price CIP *[insert place of destination]* in accordance with ITT 14.8(b)(i)	CIP Price per line item (Col. 5x6)	Price per line item for inland transportation and other services required in Kenya to convey the Goods to their final destination specified in TDS	Total Price per Line item (Col. 7+8)
							Total Price	

Name of tenderer *[insert complete name of tenderer]* Signature of tenderer *[signature of person signing the Tender]* Date *[Insert Date]*

Price Schedule: Goods Manufactured Outside Kenya, already imported*

(Group C Tenders, Goods already imported)
Currencies in accordance with ITT 15

Date:_____
ITT No: _____
Alternative No: _____
Page N□ _____of _____

1	2	3	4	5	6	7	8	9	10	11	12
Line Item N□	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price including Custom Duties and Import Taxes paid, in accordance with ITT 14.8(c)(i)	Custom Duties and Import Taxes paid per unit in accordance with ITT 14.8(c)(ii), [to be supported by documents]	Unit Price net of custom duties and import taxes, in accordance with ITT 14.8 (c) (iii) (Col. 6 minus Col.7)	Price per line item net of Custom Duties and Import Taxes paid, in accordance with ITT 14.8(c)(i) (Col. 5□8)	Price per line item for inland transportation and other services required in Kenya to convey the goods to their final destination, as specified in TDS in accordance with ITT 14.8 (c)(v)	Sales and other taxes paid or payable per item if Contract is awarded (in accordance with ITT 14.8(c)(iv)	Total Price per line item (Col. 9+10)
										Total Tender Price	

Name of tenderer [*insert complete name of tenderer*] Signature of tenderer [*signature of person signing the Tender*] Date [*insert date*]

Price Schedule: Goods Manufactured in Kenya

Kenya _____				(Group A and B Tenders) Currencies in accordance with ITT 15				Date:_____ ITT No: _____ Alternative No: _____ Page N□ _____of _____	
1	2	3	4	5	6	7	8	9	10
Line Item N□	Description of Goods	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price EXW	Total EXW price per line item (Col. 4□5)	Price per line item for inland transportation and other services required in Kenya to convey the Goods to their final destination	Cost of local labor, raw materials and components from with origin in Kenya % of Col. 5	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITT 14.8(a)(ii)	Total Price per line item (Col. 6+7)
								Total Price	

Name of tenderer [*insert complete name of tenderer*] Signature of tenderer [*signature of person signing the Tender*] Date [*insert date*]

Price and Completion Schedule - Related Services

Currencies in accordance with ITT 15					Date: _____ ITT No:_____ Alternative No: _____ Page N_ _____of _____	
1	2	3	4	5	6	7
Service N	Description of Services (excludes inland transportation and other services required in Kenya to convey the goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	Unit price	Total Price per Service (Col. 5*6 or estimate)
[insert number of the Service]	*[insert name of Services]*	*[insert country of origin of the Services]*	*[insert delivery date at place of final destination per Service]*	*[insert number of units to be supplied and name of the physical unit]*	*[insert unit price per item]*	*[insert total price per item]*
				Total Tender Price		

Name of tenderer [*insert complete name of tenderer*] Signature of tenderer [*signature of person signing the Tender*] Date [*insert date*]

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 contract 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 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) 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)]

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 KUTRRH 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 KUTRRH Tendering document.

   then the guarantee undertakes to immediately pay to KUTRRH up to the above amount upon receipt of KUTRRH first written demand, without KUTRRH having to substantiate its demand, provided that in its demand KUTRRH 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]*

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]*

PART 2: SUPPLY REQUIREMENTS

Section V - Schedule of Requirements

Notes for Preparing the Schedule of Requirements

1. List of Goods and Delivery Schedule

Line Item N	Description of Goods	Quantity	Physical unit	Final Destination as specified in TDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	**Latest Delivery Date**	**Tenderer's offered Delivery date [*to be provided by the tenderer*]**
[insert item No]	*[insert description of Goods]*	*[insert quantity of item to be supplied]*	*[insert physical unit for the quantity]*	*[insert place of Delivery]*	*[insert the number of days following the date of effectiveness the Contract]*	*[insert the number of days following the date of effectiveness the Contract]*	*[insert the number of days following the date of effectiveness the Contract]*
1.	As per the Price Schedule			KUTRRH Hospital – TRI Building	2weeks	4weeks	

2. List of Related Services and Completion Schedule

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

[1]If applicable

3. Technical Specifications

3.1 The purpose of the Technical Specifications (TS), is to define the technical characteristics of the Goods and Related Services required by the Procuring Entity. KUTRRH shall prepare the detailed TS consider that:

i) The TS constitute the benchmarks against which KUTRRH will verify the technical responsiveness of Tenders and subsequently evaluate the Tenders. Therefore, well-defined TS will facilitate preparation of responsive Tenders by tenderers, as well as examination, evaluation, and comparison of the Tenders by the Procuring Entity.

ii) The TS shall require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided for otherwise in the contract.

iii) The TS shall make use of best practices. Samples of specifications from successful similar procurements in the same country or sector may provide a sound basis for drafting the TS.

iv) The PPRA encourages the use of metric units.

v) Standardizing technical specifications may be advantageous, depending on the complexity of the goods and the repetitiveness of the type of procurement. Technical Specifications should be broad enough to avoid restrictions on workmanship, materials, and equipment commonly used in manufacturing similar kinds of goods.

vi) Standards for equipment, materials, and workmanship specified in the Tendering document shall not be restrictive. Recognized international standards should be specified as much as possible. Reference to brand names, catalogue numbers, or other details that limit any materials or items to a specific manufacturer should be avoided as far as possible. Where unavoidable, such item description should always be followed by the words "or substantially equivalent." When other particular standards or codes of practice are referred to in the TS, whether from KUTRRH orfrom other eligible countries, a statement should follow other authoritative standards that ensure at least a substantially equal quality, then the standards mentioned in the TS will also be acceptable.

vii) Reference to brand names and catalogue numbers should be avoided as far as possible; where unavoidable the words "or at least equivalent" shall always follow such references.

viii) Technical Specifications shall be fully descriptive of the requirements in respect of, but not limited to, the following:

a) Standards of materials and workmanship required for the production and manufacturing of the Goods.

b) Any sustainable procurement technical requirements shall be clearly specified.

3.2 To encourage tenderers' innovation in addressing sustainable procurement requirements, as long as the Tender evaluation criteria specify the mechanism for monetary adjustments for the purpose of Tender comparisons, tenderers may be invited to offer Goods that exceeds the specified minimum sustainable procurement requirements.

i) Detailed tests required (type and number).

ii) Other additional work and/or Related Services required to achieve full delivery/completion.

iii) Detailed activities to be performed by the Supplier, and participation of KUTRRH thereon.

iv) List of detailed functional guarantees covered by the Warranty and the specification of the liquidated damages to be applied in the event that such guarantees are not met.

3.3 The TS shall specify all essential technical and performance characteristics and requirements, including guaranteed or acceptable maximum or minimum values, as appropriate. Whenever necessary, KUTRRH shall include an additional ad-hoc Tendering form (to be an Attachment to the Letter of Tender), where the tenderer shall provide detailed information on such technical performance characteristics in respect to the corresponding acceptable or guaranteed values.

3.4 When KUTRRH requests that the tenderer provides in its Tender a part or all of the Technical Specifications, technical schedules, or other technical information, KUTRRH shall specify in detail the nature and extent of the required information and the manner in which it has to be presented by the tenderer in its Tender.

3.5 If a summary of the Technical Specifications(TS) has to be provided, KUTRRH shall insert informationin the table below. The tenderer shall prepare a similar table to justify compliance with the requirements.

Summary of Technical Specifications: The Goods and Related Services shall comply with following Technical Specifications and Standards:

Item No	**Name of Goods or Related Service**	**Technical Specifications and Standards**
[insert item No]	[insert name]	[insert TS and Standards]

Detailed Technical Specifications and Standards [*insert whenever necessary*]. [*Insert detailed description of TS*]

4. Drawings

This Tendering document includes.....*[Insert "the following" or "no"]*

drawings. [If documents shall be included, insert the following List of Drawings].

List of Drawings		
Drawing No.	**Drawing Name**	**Purpose**
N/A	N/A	N/A

5. Inspections and Tests

The following inspections and tests shall be performed ..... *[Insert list of inspections and tests]*

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 KUTRRH 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 othermaterials that the Supplier is required to supply to KUTRRH under the Contract.

h) "Procuring Entity" means KUTRRH 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 KUTRRH and is named as suchin 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 Contract 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

1.1 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.

1.2 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

4.3.1 The Contract constitutes the entire agreement between KUTRRH 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.

4.2 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 KUTRRH 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

7.1 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.

7.2 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.

7.3 The Tenderer, if a Kenyan firm, must submit with its tender a valid tax compliance certificate from the Kenya Revenue Authority.

8. Notices

8.2 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.

8.3 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 fromthat country or any payments to any country, person, or entity.

10. Settlement of Disputes

10.1 KUTRRH 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 KUTRRH 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 discoveryof 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.

10.2.6 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.

10.2.7 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.

10.3 Arbitration Proceedings

10.3.1 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

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

10.3.3 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.

10.4 Arbitration with Foreign Suppliers

10.4.1 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 Rulesof Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.

10.4.2 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].

10.5 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.

10.6 Failure to Comply with Arbitrator's Decision

10.6.1 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.

10.7 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) KUTRRH 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, KUTRRH and/or persons appointed by KUTRRH 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 KUTRRH 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: *(corrected tender price – tender price)/tender price X 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 KUTRRH has accepted it.

16.3 Where a Procuring Entity rejects Goods and Related Services, in part or wholly, KUTRRH 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 thosein which the Tender price is expressed.

16.5 In the event that KUTRRH fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC,** KUTRRH 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 arbitrage 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 KUTRRH 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 KUTRRH and KUTRRH 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 KUTRRH 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 KUTRRH in **the SCC**, or in another format acceptable to the Procuring Entity.

18.4 The Performance Security shall be discharged by KUTRRH 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 KUTRRH by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to KUTRRH 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 KUTRRH 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 KUTRRH 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 KUTRRH shall not use such documents, data, and other information received from the Supplier forany purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from KUTRRH 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) KUTRRH or Supplier need to share with other arms of Government or other bodies participating in the financing of the Contract; such parties shall de 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 KUTRRH 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 KUTRRH 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 KUTRRH personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

25.3 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

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

26.2 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.

26.3 KUTRRH or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that KUTRRH 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.

26.4 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 KUTRRH or its designated representative to attend the test and/or inspection.

26.5 KUTRRH 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.

26.6 The Supplier shall provide KUTRRH with a report of the results of any such test and/or inspection.

26.7 KUTRRH 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.

26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by KUTRRH 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, KUTRRH 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, KUTRRH 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 KUTRRH shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. KUTRRH 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,** KUTRRH 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 KUTRRH may have against the Supplier under the Contract.

29. Patent Indemnity

29.1 The Supplier shall, subject to KUTRRH compliance with GCC Sub-Clause 29.2, indemnify and hold harmless KUTRRH 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 KUTRRH 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 KUTRRH arising out of the matters referred to in GCC Sub-Clause 29.1, KUTRRH shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in KUTRRH 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 KUTRRH within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then KUTRRH shall be free to conduct the same on its own behalf.

29.4 KUTRRH 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.

29.5 KUTRRH 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 profitsor 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, intort 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 supplierto indemnify KUTRRH 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 KUTRRH 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 KUTRRH in writing of such condition and the cause thereof. Unless otherwise directed by KUTRRH 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 KUTRRH 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 KUTRRH 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) KUTRRH may incur in implementing the value engineering proposal; and

c) a description of any effect(s) of the change on performance/functionality.

33.5 KUTRRH 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 KUTRRH 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 KUTRRH in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, KUTRRH 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 KUTRRH 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 KUTRRH 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 KUTRRH terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), KUTRRH 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 KUTRRH 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.

KUTRRH 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 terminationis for KUTRRH 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 KUTRRH at the Contract terms and prices. For the remaining Goods, KUTRRH 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 KUTRRH 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 KUTRRH 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 KUTRRH 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.

[KUTRRH 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**
GCC 1.1(h)	The Procuring Entity is: *KUTRRH*
GCC 4.2 (a)	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: CIP
GCC 4.2 (b)	The version edition of Incoterms shall be *INCOTERMS 2015*
GCC 8.1	For **notices**, the Procuring Entity's address shall be: Attention: *Chief Executive Officer* Postal address 7674 - 00100 Physical Address Along Northern Bypass, Kahawa West Telephone: *1558* Electronic mail address*: info@kutrrh.go.ke CC procurement@kutrrh.go.ke*
GCC 10.4.2	The place of arbitration shall be Nairobi, Kenya
GCC 13.1	Details of Shipping and other Documents to be furnished by the Supplier are *negotiable bill of lading, a non-negotiable sea way bill, an airway bill, a road consignment note, insurance certificate, Manufacturer's or Supplier's warranty certificate, inspection certificate issued by nominated inspection agency, Supplier's factory shipping details* 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.
GCC 15.1	The prices charged for the Goods supplied and the related Services performed *shall not be* adjustable.
GCC 16.1	***Sample provision*** GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: **A. Payment for Goods supplied from abroad:** Payment of foreign currency portion shall be made in *Kenya Shillings* in the following manner: (i) **Advance Payment:** Not Applicable. (ii) **On Acceptance:** Ninety (90) percent of the Contract Price of Goods received shall be paid within sixty (60) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Procuring Entity. B. **Payment of local currency portion of a foreign Supplier shall be made in** Kenya shillings within sixty (60) days of presentation of claim supported by a certificate from the Procuring Entity declaring that the Goods have been delivered and that all other contracted Services have been performed.

	C. Payment for Goods and Services supplied from within Kenya: Payment for Goods and Services supplied from within Kenya shall be made in Kenya Shillings, as follows: (i) **Advance Payment:** Not Applicable. (ii) **On Delivery:** Forty (40) percent of the Contract Price shall be paid on receipt of the Goods and upon submission of the documents specified in GCC Clause 13. The bank guarantee shall then be released. (iii) **On Acceptance:** The remaining sixty (60) percent of the Contract Price shall be paid to the Supplier within sixty (60) days after the date of the acceptance certificate for the respective delivery issued by the Procuring Entity.
GCC 16.5	The payment-delay period after which the Procuring Entity shall pay interest to the supplier shall be *180* days. The interest rate that shall be applied is *1 %*
GCC 18.1	A Performance Security *shall be required of 10% of Total Contract Sum.*
GCC 18.3	If required, the Performance Security shall be in the form of: *Unconditional Demand Bank Guarantee* If required, the Performance security shall be denominated in *Kenya Shillings*
GCC 18.4	Discharge of the Performance Security shall take place: *after 180 days*
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: *consistent with the goods being supplied.*
GCC 24.1	The insurance coverage shall be as specified in the Incoterms.
GCC 25.1	Responsibility for transportation of the Goods shall be as specified in the Incoterms. If not in accordance with Incoterms, responsibility for transportations shall be as follows: *"The Supplier is required under the Contract to transport the Goods to KUTRRH specified place of final destination within* Kenya, *defined as the Project Site, transport to such place of destination in* Kenya, *including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price"; or any other agreed upon trade terms (specify the respective responsibilities of the Procuring Entity and the Supplier)]*
GCC 25.2	Incidental services to be provided are:
GCC 26.1	The inspections and tests shall be: *carried out upon delivery of all equipment*
GCC 26.2	The Inspections and tests shall be conducted at: *KUTRRH Hospital*
GCC 27.1	The liquidated damage shall be: 0.05 % per week
GCC 27.1	The maximum amount of liquidated damages shall be: *10* %
GCC 28.3	The period of validity of the Warranty shall be: *365* days For purposes of the Warranty, the place(s) of final destination(s) shall be: *KUTRRH Hospital* ***Sample provision*** GCC 28.3—In partial modification of the provisions, the warranty period shall be__ hours of operation or ___ months from date of acceptance of the Goods or (____) months from the date of shipment, whichever occurs earlier. The Supplier shall, in addition,comply with the performance and/or consumption guarantees specified under the Contract.If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either: (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract

	at its own cost and expense and to carry out further performance tests in accordance with GCC 26.7, **or** (b) pay liquidated damages to the Procuring Entity with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be (_ _).
GCC 28.5, GCC 28.6	The period for repair or replacement shall be: *seven (7)*days.
GCC 33.6	If the value engineering proposal is approved by the Procuring Entity the amount to be paid to the Supplier shall be 10% (insert appropriate percentage.

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.

   a) The successful tenderer

      i) Name of successful Tender_____

      ii) Address of the successful Tender _____

      iii) Contract price of the successful Tender Kenya Shillings_____(in words _____)

   b) 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. For Tenders not evaluated, give one main reason the Tender was unsuccessful.

S/No.	Name of Tender	Tender Price as read out	Tender's evaluated price (Note a)	One Reason Why Not Evaluated
1				
2				
3				
4				
5				

(Note a) State NE if not evaluated

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 or email 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. <u>Standstill</u> 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 executionof the_____***[insert name of the contract and identification number, as given in the SCC]***for the Accepted Contract Amount of_____***[insert amount in numbers and words and nameof currency]***, as corrected and modified in accordance with the Instructions to tenderers is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 30 days in accordance with the Conditionsof Contract, using for that purpose the of the Performance Security Form included in Section X, Contract Forms, of the Tendering document.

Authorized Signature:_____

Name and Title of Signatory:_____

Name of Agency:_____

Attachment: Contract Agreement

FORM NO. 4 - CONTRACT 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 KUTRRH 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, KUTRRH 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 KUTRRH to the Supplier as specified in this Agreement, the Supplier hereby covenants with KUTRRH to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

2. KUTRRH 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*),[1] 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...…[2], 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]

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

[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 Contractorshall 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*_____) *1* 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_,2 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.

1*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.*
2 *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

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. 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 Tenderer by meeting one or more of the following conditions:

- *Directly or indirectly holding 25% or more of the shares.*
- *Directly or in directly holding 25% or more of the voting rights.*
- *Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer.*

Tender Reference No.:_____[*insert identification no*] Name of the Assignment:_____*[insert name of the assignment]*

to:_____*[insert complete name of Procuring Entity]*

In response to 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]*

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

Details of beneficial ownership

Identity of Beneficial Owner	**Directly or indirectly holding 25% or more of the shares (Yes / No)**	**Directly or indirectly holding 25 % or more of the Voting Rights (Yes / No)**	**Directly or indirectly having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer (Yes / No)**
[include full name (last, middle, first), nationality, country of residence]			

OR

ii) We declare that there is no Beneficial Owner meeting one or more of the following conditions: directly or indirectly holding 25% or more of the shares. Directly or indirectly holding 25% or more of the voting rights. Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer.

OR

We declare that we are unable to identify any Beneficial Owner meeting one or more of the following conditions. [If this option is selected, the Tenderer shall provide explanation on why it is unable to identify any Beneficial Owner]

Directly or indirectly holding 25% or more of the shares. Directly or indirectly holding25% or more of the voting rights.

Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer]"

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]*

Title 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 signed ..... [insert date of signing] day of..... [Insert month], [insert year]