REPUBLIC OF KENYA

MINISTRY OF HEALTH
HEALTH SECTOR EQUALIZATION FUND PROJECT
P.O. BOX 30016 – 00100
NAIROBI

TENDER NO.MOH/ HSEFP/03/2017-2018

FOR FURNISHING AND EQUIPPING KING FAHAD
HOSPITAL - SUPPLY, INSTALLATION, TESTING AND
COMMISSIONING OF MEDICAL EQUIPMENTS AND
INSTRUMENTS

FOR

LAMU COUNTY

CLOSING/OPENING DATE: WEDNESDAY, 13TH SEPTEMBER,
2017

TIME: AT 10.00 A.M.

Serial No
Receipt No
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INTRODUCTION

1.1 This standard tender document for supply, installation and commissioning of plant and equipment has been prepared for use by public entities in Kenya.

1.2 The following general conditions should be observed when using the document.

a) Specific details should be furnished in the tender notice and in the special conditions of contract. The final document to be provided to the tenderers should not have blank spaces or give options.

b) The instructions to the tenderers and the general conditions of contract should remain unchanged. Any necessary amendments to these parts should be made through the special conditions of contracts and the appendix to instructions to the tenderers.

1.3 Information contained in the invitation to tender shall conform to the data and information in the tender documents to enable potential tenderers to decide whether or not to participate in the tender and shall indicate any important tender requirements.

1.4 The invitation to tender shall be issued as an advertisement in accordance with the regulations as a letter of invitation addressed to tenderers who have expressed interest following an advertisement of a prequalification tender.

1.5 The cover of the tender document shall be modified to include:

i. Tender number.
ii. Tender name.
iii. Name of procuring entity.
iv. Delete name and address of PPOA.
SECTION I | INVITATION TO TENDER

TENDER REF NO. MOH/ HSEFP/03/2017-2018
TENDER NAME FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF MEDICAL EQUIPMENTS AND INSTRUMENTS

1.1 The Ministry of Health, Health Sector Equalization Fund Project invites sealed tenders from eligible candidates for supply, Installation, Testing and Commissioning of Medical Equipments and Instruments.

1.2 Interested eligible candidates may obtain further information from and inspect the tender documents at Ministry of Health Headquarters, P.O Box 30016 – 00100 Nairobi, located in Afya House, Cathedral Road off Ngong Road, Supply Chain Management office, 5th Floor, Room No.510B during normal working hours.

1.3 A complete set of tender documents may be obtained by interested candidates upon payment of non-refundable fees of Kshs. 1,000 in cash or Bankers cheque payable to Principal Secretary, Ministry of Health.

1.4 Prices quoted should be net inclusive of all taxes, must be in Kenya Shillings and shall remain valid for 150 days from the closing date of the tender.

1.5 Completed tender documents are to be enclosed in plain sealed envelopes marked with tender reference number and be deposited in the Tender Box at Ministry of Health Headquarters, located in Afya House, Cathedral Road off Ngong Road, 1st Floor or be addressed to the Principal Secretary, Ministry of Health P.O Box P.O Box 30016 – 00100 Nairobi so as to be received on or before Wednesday, 13th September, 2017 at 10.00am.

1.6 Tenders will be opened immediately thereafter in the presence of the Candidates or their representatives who choose to attend GTZ Boardroom, Ground floor, Afya house, Cathedral Road Off Ngong Road.

Head, Supply Chain Management Services
For Principal Secretary, Ministry of Health
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SECTION II – INSTRUCTIONS TO TENDERERS

2.1 Eligible Tenderers

2.1.1 This Invitation for Tenders is open to all tenderers eligible as described in the Appendix to Instructions to Tenderers. Successful tenderers shall complete the supply, install and commissioning of the equipment by the intended completion date specified in the tender documents.

2.1.2 The procuring entity’s employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender unless where specially allowed under section 131 of the Act.

2.1.3 Tenderers shall provide the qualification information statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring entity to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this Invitation for tenders.

2.1.4 Tenderers involved in corrupt or fraudulent practices or debarred from participating in public procurement shall not be eligible.

2.2 Eligible Equipment

2.2.1 All equipment to be supplied and installed under the contract shall have their origin in eligible source countries.

2.2.2 For purposes of this clause, “origin” means the place where the equipment(s) are produced. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
2.2.3 The origin of equipment is distinct from the nationality of the tenderer and shall be treated thus in the evaluation of the tender.

2.3 Cost of Tendering

2.3.1 The Tenderer shall bear all costs associated with the preparation and submission of its tender, and the procuring entity, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

2.3.2 The price to be charged for the tender document shall not exceed Ksh 5000.00

2.3.3 The procuring entity shall allow the tenderer to review the tender document free of charge before purchase.

2.4. Contents of Tender Document

2.4.1 The tender document comprises the documents listed below and addenda issued in accordance with clause 2.6 of these instructions to tenderers

(i) Invitation to Tender
(ii) Instructions to Tenderers
(iii) General Conditions of Contract
(iv) Special Conditions of Contract
(v) Schedule of requirements
(vi) Technical Specifications
(vii) Tender Form and Price Schedules
(viii) Tender Security Form
(ix) Contract Form
(x) Performance Security Form
(xi) Bank Guarantee for Advance Payment Form
(xii) Manufacturer’s Authorization Form
(xiii) Confidential Business Questionnaire Form
(xiv) Declaration form
(xv) Request for Review Form

2.4.2 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or to submit a tender
not substantially responsive to the tender documents in every respect will be at the tenderers risk and may result in the rejection of its tender.

2.5 Clarification of Tender Documents

2.5.1 A prospective tenderer making inquiries of the tender documents may notify the Procuring entity in writing or by post at the entity’s address indicated in the invitation for tenders. The Procuring entity will respond in writing to any request for clarification of the tender documents, which it receives not later than seven (7) days prior to the deadline for the submission of tenders, prescribed by the procuring entity. Written copies of the Procuring entities response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective tenderers that have received the tender document.

2.5.2 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

2.6 Amendment of Tender Documents

2.6.1 At any time prior to the deadline for submission of tender, the procuring entity, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, may modify the tender documents by issuing an addendum.

2.6.2 All prospective tenderers that have obtained the tender documents will be notified of the amendment in writing or by post and will be binding on them.

2.6.3 In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, the Procuring entity, at its discretion, may extend the deadline for the submission of tenders.

2.7 Language of Tender

2.7.1 The tender prepared by the tenderer, as well as all correspondence and documents relating to the tender exchange by the tenderer and the
Procuring entity, shall be written in English language, provided that any printed literature furnished by the tenderer may be written in another language provided they are accompanied by an accurate English translation of the relevant passages in which case, for purposes of interpretation of the tender, the English translation shall govern.

2.8 Documents Comprising the Tender

2.8.1 The tender prepared by the tenderers shall comprise the following components.

(a) a Tender Form and a Price Schedule completed in accordance with paragraph 2.9, 2.10 and 2.11 below

(b) documentary evidence established in accordance with paragraph 2.12 that the tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;

(c) documentary evidence established in accordance with paragraph 2.13 that the goods and ancillary services to be supplied by the tenderer are eligible goods and services and conform to the tender documents; and

(d) tender security furnished in accordance with paragraph 2.14

(e) Confidential Business Questionnaire

2.9 Tender Form

2.9.1 The tenderer shall complete the Form of Tender and the appropriate Price Schedule furnished in the tender documents, indicating the equipment to be supplied, installed and commissioned and a brief description of the equipment, their country of origin, quantity, and prices.

2.10 Tender Prices

2.10.1 The tenderer shall indicate on the appropriate Price Schedule the unit prices where applicable and total tender price of the equipment and installation it proposes to supply under the contract.
2.10.2 Prices indicated on the Price Schedule shall be entered separately in the following manner:

(i) the price of the equipment quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable:

(ii) charges for inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination; and

(iii) installation charges shall also be indicated separately for each equipment

2.10.3 Prices quoted by the tender shall remain fixed during the Tender’s performance of the contract. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to paragraph 2.22 unless otherwise agreed by the parties.

2.11 Tender Currencies

2.11.1 Prices shall be quoted in the following currencies:

(a) For equipment that the tenderer will supply from within Kenya, the prices shall be quoted in Kenya Shillings; and

(b) For equipment that the tenderer will supply from outside Kenya, the prices may be quoted in US Dollars or in another freely convertible currency.

(c) Cost of installation and commissioning will be in Kenya Shillings.

2.12 Tenderers Eligibility and Qualifications

2.12.1 Pursuant to paragraph 2.1, the tenderers shall furnish, as part of its tender, documents establishing the tenderers eligibility to tender and its qualifications to perform the contract if its tender is accepted.

2.12.1 The documentary evidence of the tenderers eligibility to tender shall establish to the Procuring entity’s satisfaction that the tenderer, at the time of submission of its tender, is from an eligible source country as defined under paragraph 2.1.
2.12.2 The documentary evidence of the tenderer’s qualifications to perform the contract if its tender is accepted shall establish to the Procuring entity’s satisfaction:

(a) that, in the case of a tenderer offering to supply equipment under the contract which the tenderer did not manufacture or otherwise produce, the tenderer has been duly authorized by the equipment, Manufacturer or producer to supply the equipment

(b) that the tenderer has the financial, technical, and production capability necessary to perform the contract;

(c) that, in the case of a tenderer not doing business within Kenya, the tenderer is or will be (if awarded the contract) represented by an Agent in Kenya equipped, and able to carry out the Tenderer’s maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

2.13 Goods Eligibility and Conformity to Tender Document

2.13.1 Pursuant paragraph 2.2 of this section, the tenderer shall furnish, as part of its tender documents establishing the eligibility and conformity to the tender documents of all equipment which the tenderer proposes to supply under the contract

2.13.2 The documentary evidence of the eligibility of the goods shall consist of statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

2.13.3 The documentary evidence of conformity of the equipment to the tender documents may be in the form of literature, drawings, and data, and shall consist of:

a) a detailed description of the essential technical and performance characteristic of the equipment

b) a list giving full particulars, including available source and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the equipment for a period of two (2) years, following commencement of the use of the equipment by the Procuring entity; and

c) a clause-by-clause commentary on the Procuring entity’s Technical Specifications demonstrating substantial responsiveness of the goods and service to those specifications,
or a statement of deviations and exceptions to the provisions of the Technical Specifications.

2.13.4 For purposes of the commentary to be furnished pursuant to paragraph 2.13.3(c) above, the tenderer shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procurement entity in its Technical Specifications, are intended to be descriptive only and not restrictive. The tenderer may substitute alternative standards, brand names, and/or catalogue numbers in its tender, provided that it demonstrates to the Procurement entity’s satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

2.14 Tender Security

2.14.1 The tenderer shall furnish, as part of its tender, a tender security for the amount and form specified in the Appendix to Instructions to Tenderers.

2.14.2 The tender security shall be in the amount not exceeding 2 percent of the tender price.

2.14.3 The tender security is required to protect the Procuring entity against the risk of Tenderer’s conduct which would warrant the security’s forfeiture, pursuant to paragraph 2.14.7

2.14.4 The tender security shall be denominated in Kenya Shillings or in another freely convertible currency, and shall be in the form of
   a) Cash
   b) A bank guarantee
   c) Such insurance guarantee approved by the Authority
   d) Letter of credit.

2.14.5 Any tender not secured in accordance with paragraph 2.14.1 and 2.14.3 will be rejected by the Procuring entity as non responsive, pursuant to paragraph 2.22

2.14.6 Unsuccessful Tenderer’s tender security will be discharged or returned as promptly as possible but not later than thirty (30) days
after the expiration of the period of tender validity prescribed by the Procuring entity.

2.14.7 The successful Tenderer’s tender security will be discharged upon the tenderer signing the contract, pursuant to paragraph 2.27 and furnishing the performance security, pursuant to paragraph 2.28.

2.14.8 The tender security may be forfeited:

a) if a tenderer withdraws its tender during the period of tender validity specified by the procuring entity on the Tender Form; or
b) in the case of a successful tenderer, if the tenderer fails:

   i) to sign the contract in accordance with paragraph 2.27

   1. or

       ii) to furnish performance security in accordance with paragraph 2.28

   c) If the tenderer rejects correction of an arithmetic error in the tender.

2.15 Validity of Tenders

2.15.1 Tenderers shall remain valid for 60 days or as specified in the tender documents after date of tender opening prescribed by the Procuring entity, pursuant to paragraph 2.20. A tender valid for a shorter period shall be rejected by the Procuring entity as non responsive.

2.15.2 In exceptional circumstances, the Procuring entity may solicit the Tenderer’s consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tender security provided under paragraph 2.14 shall also be suitably extended. A tenderer may refuse the request without forfeiting its tender security. A tenderer granting the request will not be required nor permitted to modify its tender.

2.16 Format and Signing of Tender

2.16.1 The Procuring entity shall prepare two copies of the tender, clearly marking each “ORIGINAL TENDER” and “COPY OF TENDER,” as appropriate. In the event of any discrepancy between them, the original shall govern.
2.16.2 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly authorized to bind the tenderer to the contract. All pages of the tender, except for unamended printed literature, shall be initialed by the person or persons signing the tender.

2.16.3 The tender shall have no interlineations, erasures, or overwriting except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender.

2.17 Sealing and Marking of Tenders

2.17.1 The Tenderer shall seal the original and each copy of the tender in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope.

2.17.2 The inner and outer envelopes shall:
(a) be addressed to the Procuring entity at the address given on the Invitation to Tender.

(b) bear the tender number and name in the Invitation to Tender and the words “DO NOT OPEN BEFORE Wednesday, 13th, September, 2017 at 10.00am.

2.17.3 The inner envelopes shall also indicate the name and address of the tenderer to enable the tender to be returned unopened in case it is declared “late”.

2.17.4 If the outer envelope is not sealed and marked as required by paragraph 2.17.2, the Procuring entity will assume no responsibility for the tender’s misplacement or premature opening.

2.18 Deadline for Submission of Tenders

2.18.1 Tenders must be received by the Procuring entity at the address specified under paragraph 2.17.2 not later than Wednesday, 13th, September, 2017 at 10.00am.
2.18.2 The Procuring entity may, at its discretion, extend this deadline for the submission of tenders by amending the tender documents in accordance with paragraph 2.6, in which case all rights and obligations of the Procuring entity and candidates previously subject to the deadline will therefore be subject to the deadline as extended.

2.18.3 Bulky tenders which will not fit in the tender box shall be received by the procuring entity as provided for in the Appendix.

2.19 Modification and Withdrawal of Tenders

2.19.1 The tenderer may modify or withdraw its tender after the tender’s submission, provided that written notice of the modification, including substitution or withdrawal of the tenders, is received by the Procuring entity prior to the deadline prescribed for submission of tenders.

2.19.2 The Tenderer’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.17. A withdrawal notice may also be sent by cable, telex but followed by a signed confirmation copy, postmarked not later than the deadline for submission of tenders.

2.19.3 No tender may be modified after the deadline for submission of tenders.

2.19.4 No tender may be withdrawn 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 Tender Form. Withdrawal of a tender during this interval may result in the Tenderer’s forfeiture of its tender security, pursuant to paragraph 2.14.7

2.20 Opening of Tenders

2.20.1 The Procuring entity will open all tenders in the presence of tenderers’ representatives who choose to attend, on Wednesday, 13th September, 2017 at 10.00am in GTZ Boardroom, Ground floor, Afya house, Cathedral Road Off Ngong Road.
The tenderers’ representatives who are present shall sign a tender opening register evidencing their attendance.

2.20.2 The tenderers’ names, tender modifications or withdrawals, tender prices, discounts and the presence or absence of requisite tender security and such other details as the Procuring entity, at its discretion, may consider appropriate, will be announced at the opening.

2.20.3 The Procuring entity will prepare minutes of the tender opening.

2.21 Clarification of Tenders

2.21.1 To assist in the examination, evaluation and comparison of tenders the Procuring entity may, at its discretion, ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or substance of the tender shall be sought, offered, or permitted.

2.21.2 Any effort by the tenderer to influence the Procuring entity in the Procuring entity’s tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderers’ tender.

2.22 Preliminary Examination and Responsiveness

2.22.1 The Procuring entity will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.

2.22.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the candidate does not accept the correction of the errors, its tender will be rejected, and its tender security may be forfeited. If there is a discrepancy between words and figures the amount in words will prevail.
2.22.3 The Procuring entity may waive any minor informality or nonconformity or irregularity in a tender which does not constitute a material deviation, provided such waiver does not prejudice or effect the relative ranking of any tenderer.

2.22.4 Prior to the detailed evaluation, pursuant to paragraph 2.23 the Procuring entity will determine the substantial responsiveness of each tender to the tender documents. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender documents without material deviations. The Procuring entity’s determination of a tender’s responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.

2.22.5 If a tender is not substantially responsive, it will be rejected by the Procuring entity and may not subsequently be made responsive by the tenderer by correction of the nonconformity.

2.23 Conversion to Single Currency

2.23.1 Where other currencies are used, the Procuring Entity will convert those currencies to Kenya Shillings using the selling exchange rate on the date of tender closing provided by the Central Bank of Kenya.

2.24 Evaluation and Comparison of Tenders

2.24.1 The Procuring entity will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to paragraph 2.22

2.24.2 The Procuring entity’s evaluation of a tender will exclude and not take into account
(a) in the case of equipment manufactured in Kenya or equipment of foreign origin already located in Kenya, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the tenderer; and
(b) any allowance for price adjustment during the period of execution of the contract, if provided in the tender.
2.24.3 The comparison shall be of the ex-factory/ex-warehouse/off-the-shelf price of the goods offered from within Kenya, such price to include all costs, as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods.

2.24.4 The Procuring entity’s evaluation of a tender will take into account, in addition to the tender price and the price of incidental services, the following factors, in the manner and to the extent indicated in paragraph 2.23.5 and in the technical specifications:

(a) delivery and installation schedule offered in the tender;
(b) deviations in payment schedule from the specifications in the Special Conditions of Contract;
(c) the cost of components, mandatory spare parts and service;
(d) the availability in Kenya of spare parts and after-sales service for the equipment offered in the tender;

2.24.5 Pursuant to paragraph 2.24.4 the following evaluation methods will be applied

(a) Delivery schedule
   (i) The Procuring entity requires that the equipment under the Invitation for Tenders shall be delivered at the time specified in the Schedule of Requirements. Tenders offering deliveries longer than the procuring entity’s required delivery time will be treated as non-responsive and rejected.

(b) Deviation in payment schedule
   Tenderers shall state their tender price for the payment of schedule outlined in the special conditions of contract. Tenders will be evaluated on the basis of this base price. Tenderers are, however, permitted to state an alternative payment schedule and indicate the reduction in tender price they wish to offer for such alternative payment schedule. The Procuring entity may consider the alternative payment schedule offered by the selected tenderer.

(c) Spare parts and after sales service facilities
   Tenderers must offer items with service and spare parts back-up. Documentary evidence and locations of such back-up must be given. Where a tenderer offers items without such back-up in the country, he
must give a documentary evidence and assurance that he will establish adequate back-up for items supplied.

2.24.6 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.

2.24.7 Preference where allowed in the evaluation of tenders shall not exceed 15%

2.25 Contacting the Procuring Entity

2.25.1 Subject to paragraph 2.21 no tenderer shall contact the Procuring entity on any matter related to its tender, from the time of the tender opening to the time the contract is awarded.

2.25.2 Any effort by a tenderer to influence the Procuring entity in its decisions on tender, evaluation, tender comparison, or contract award may result in the rejection of the Tenderer’s tender.

2.26 Award of Contract

(a) Post-Qualification

2.26.1 In the absence of pre-qualification, the Procuring entity will determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated responsive tender is qualified to perform the contract satisfactorily.

2.26.2 The determination will take into account the tenderer financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, pursuant to paragraph 2.12.3 as well as such other information as the Procuring entity deems necessary and appropriate.
2.26.3 An affirmative determination will be a prerequisite for award of the contract to the tenderer. A negative determination will result in rejection of the Tenderer’s tender, in which event the Procuring entity will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer’s capabilities to perform satisfactorily.

(b) **Award Criteria**

2.26.4 The Procuring entity will award the contract to the successful tenderer(s) whose tender has been determined to be substantially responsive and has been determined to be the lowest evaluated tender, provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.

2.26.5 To qualify for contract awards, the tenderer shall have the following:

   a) Necessary qualifications, capability experience, services, equipment and facilities to provide what is being procured.
   b) Legal capacity to enter into a contract for procurement
   c) Shall not be insolvent, in receivership, bankrupt or in the process of being wound up and is not the subject of legal proceedings relating to the foregoing.
   d) Shall not be debarred from participating in public procurement.

(c) **Procuring Entity’s Right to Accept or Reject Any or All Tenders**

2.26.6 The Procuring entity reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderer of the grounds for the procuring entity’s action.

2.26.7 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.

2.26.8 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.
2.26.9 A tenderer who gives false information in the tender document about his qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

2.27 Notification of Award

2.27.1 Prior to the expiration of the period of tender validity, the Procuring entity will notify the successful tenderer in writing that its tender has been accepted.

2.27.2 The notification of award will signify the formation of the Contract but will have to wait until the contract is finally signed by both parties. Simultaneous other tenderers shall be notified that their tenders have not been successful.

2.27.3 Upon the successful Tenderer’s furnishing of the performance security pursuant to paragraph 2.29, the Procuring entity will simultaneously inform the other tenderers that this tenders have not been successful.

2.28 Signing of Contract

2.28.1 At the same time as the Procuring entity notifies the successful tenderer that its tender has been accepted, the procuring entity will simultaneously inform the other tenderers that their tenders have not been successful.

2.28.2 Within fourteen (14) days of receipt of the Contract Form, the successful tenderer shall sign and date the contract and return it to the Procuring entity.

2.28.3 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.

2.29 Performance Security
2.29.1 Within Thirty (30) days of the receipt of notification of award from the Procuring entity, the successful tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents, or in another form acceptable to the Procuring entity.

2.29.2 Failure of the successful tenderer to comply with the requirements of paragraph 2.28 or paragraph 2.29 shall constitute sufficient grounds for the annulment of the award and forfeiture of the tender security, in which event the Procuring entity may make the award to the next lowest evaluated Candidate or call for new tenders.

2.30 Corrupt or Fraudulent Practices

2.30.1 The procuring entity requires that tenderers observe the highest standard of ethics during the procurement process and execution of contracts. A tenderer shall sign a declaration that he has and will not be involved in corrupt or fraudulent practices.

3.30.2 The Procuring entity will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

3.30.3 Further a tenderer who is found to have indulged in corrupt or fraudulent practices risks being debarred from participating in public Procurement in Kenya.
Appendix to Instructions to Tenderers

Notes on the Appendix to the Instructions to Tenderers

1. The Appendix to instructions to the tenderers is intended to assist the procuring entity in providing specific information in relation to corresponding clause in the instructions to Tenderers including in Section II and has to be prepared for each specific procurement.

2. The procuring entity should specify in the appendix information and requirement specific to the circumstances of the procuring entity, the goods to be procured and the tender evaluation criteria that will apply to the tenders.

3. In preparing the Appendix the following aspects should be taken into consideration;

(a) The information that specifies and complements provisions of Section II to be incorporated

(b) Amendments and/or supplements if any, to provisions of Section II as necessitated by the circumstances of the goods to be procured to be also incorporated

4. Section II should remain unchanged and can only be amended through the Appendix.

5. Clauses to be included in this part must be consistent with the public procurement law and the regulations.
APPENDIX TO INSTRUCTIONS TO TENDERERS

The following information regarding the particulars of the tender shall complement supplement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provision of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the instructions to tenderers.

<table>
<thead>
<tr>
<th>INSTRUCTIONS TO TENDERERS REFERENCE</th>
<th>PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.1 Eligible Tenderers</td>
<td>This Invitation for Tenders is open to all tenderers eligible as described in the Invitation to Tender and advertisement notice. The procuring entity’s employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender. Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices.</td>
</tr>
<tr>
<td>2.3.2 Cost of Tendering</td>
<td>Kshs. 3,000 which is non-refundable.</td>
</tr>
<tr>
<td>2.14.1 Tender Security</td>
<td>Tender security of Kshs. 500,000 valid for a period of 180 days from the date of Tender opening. The tender security shall be denominated in Kenya Shillings or in another freely convertible currency, and shall be in the form of a) Cash b) A bank guarantee</td>
</tr>
</tbody>
</table>
| 2.15.1 Validity of Tenders | Tenderers shall remain valid for 150 days after date of tender opening

A tender valid for a shorter period shall be rejected by the Procuring entity as non responsive. |
|---------------------------|------------------------------------------------------------------------------------------------------------------|
| 2.16 Format and Signing of Tender | The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly authorized to bind the tenderer to the contract.

All pages of the tender, except for unamended printed literature, shall be initialed by the person or persons signing the tender.

The tender shall have no interlineations, erasures, or overwriting except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender. |
| 2.17 Sealing and Marking of Tenders | The number of copies of tender to be completed and returned shall be: One(1) original and One(1) copy. |
| 2.18.1 Deadline for Submission of Tenders | Wednesday, 13th, September, 2017 at 10.00am. |
| 2.20.1 Opening of Tenders | Wednesday, 13th, September, 2017 at 10.00am in GTZ Boardroom, Ground floor, Afya house, Cathedral Road Off Ngong Road. |
2.22 Preliminary Examination and Responsiveness

The preliminary evaluation shall be mandatory:

The evaluation shall adopt YES/NO approach. The non-responsive submissions will be eliminated from the entire preliminary evaluation process and will not be considered further.

Bidders must submit the following documents:
• A copy of certified certificate of registration/incorporation.
• A copy of certified PIN and VAT Certificates
• A copy of certified Valid tax compliance certificate
• A copy of certified Valid Business Permit for relevant Local Authority
• Duly Filled, Signed and Stamped/sealed form of tender
• Duly Completed, Signed and Stamped Confidential Business Questionnaire (S33)
• Duly filled, signed and stamped Price schedule form
• Certified Copy of Certificate Of Confirmation Of Directors And Shareholding (CR 12) where applicable (Limited/Private Companies).
• Bid Security from Reputable Bank or insurance Company Shortlisted by PPOA in the prescribed format.

At this stage, the tenderer's
Submission will either be responsive or non-responsive. The non-responsive submission will be eliminated from the entire evaluation process and will not be considered further.

| 2.24.7 Evaluation and Comparison of Tenders | Preference is not applicable for this tender. The Procuring entity will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to paragraph 2.22. |

2.24.4 The Procuring entity’s evaluation of a tender will take into account, in addition to the tender price and the price of incidental services, the following factors, in the manner and to the extent indicated in paragraph 2.23.5 and in the technical specifications:

(a) delivery and installation schedule offered in the tender;

(b) deviations in payment schedule from the specifications in the Special Conditions of Contract;

(c) the cost of components, mandatory spare parts and service;

(d) the availability in Kenya of spare parts and after-sales service for the equipment offered in the tender;

Pursuant to the above paragraph the following evaluation methods will be applied:

(a) Delivery schedule
(i) The Procuring entity requires that the equipment under the Invitation for Tenders shall be delivered at the time specified in the Schedule of Requirements.

**Tenders offering deliveries longer than the procuring entity’s required delivery time will be treated as non-responsive and rejected.**

(b) Deviation in payment schedule
Deviation in payment schedule is not applicable in this Tender

(c) Spare parts and after sales service facilities
Tenderers must offer items with service and spare parts back-up.
Documentary evidence and locations of such back-up must be given.
Where a tenderer offers items without such back-up in the country, he must give a documentary evidence and assurance that he will establish adequate back-up for items supplied.

Preference is **not** applicable in this Tender

**2.26. (a) Award of Contract - Post-Qualification**

The Procuring entity will determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated responsive tender is qualified to perform the contract satisfactorily.

The determination will take into account the tenderer financial, technical, and production
It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, pursuant to the above paragraph as well as such other information as the Procuring entity deems necessary and appropriate.

An affirmative determination will be a prerequisite for award of the contract to the tenderer.

A negative determination will result in rejection of the Tenderer’s tender, in which event the Procuring entity will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer’s capabilities to perform satisfactorily.

### 2.26. (b) Award of Contract - Award Criteria

To qualify for contract awards, the tenderer shall have the following:

- **a) Necessary qualifications, capability experience, services, equipment and facilities to provide what is being procured.** (provide Documentary Evidence)

- **b) Legal capacity to enter into a contract for procurement** (provide Documentary Evidence)

- **c) Shall not be insolvent, in receivership, bankrupt or in the process of being wound up and is not the subject of legal proceedings**
<p>| | |</p>
<table>
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<td>relating to the foregoing. <em>(provide Documentary Evidence)</em></td>
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<td>d) Shall not be debarred from participating in public procurement. <em>(provide Documentary Evidence)</em></td>
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<tr>
<td><strong>2.26. (c) Award Criteria - Procuring Entity’s Right to Accept or Reject Any or All Tenders</strong></td>
<td>The Procuring entity reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderer of the grounds for the procuring entity’s action. The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.</td>
</tr>
<tr>
<td><strong>2.29 Performance Security</strong></td>
<td>Performance security: 5% of Contract Sum</td>
</tr>
<tr>
<td><strong>2.30 Corrupt or Fraudulent Practices</strong></td>
<td>A tenderer should provide a signed declaration stipulating that he she has and will not be involved in corrupt or fraudulent practices.</td>
</tr>
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</table>
EVALUATION CRITERIA

TENDER EVALUATION CRITERIA

After tender opening, the tenders will be evaluated in 5 stages, namely:

1. Preliminary Examination
2. Detailed Technical Examination.
4. Post qualification: Due diligence.

STAGE 1- PRELIMINARY EXAMINATION

This stage of evaluation shall involve examination of the pre-qualification conditions as set out in the Tender Advertisement Notice or Letter of Invitation to Tender and any other conditions stated in the bid document.

These conditions shall include, among other things, the following:

i) Certificate of Registration/Incorporation.
ii) Valid Tax Compliance Certificate.
iii) Certificate of Confirmation of Directors and Shareholding (CR 12) for Limited company (where applicable).
iv) Certificate of Registration with National Construction Authority in the relevant category.
v) Class of Licenses with the relevant statutory bodies e.g. Energy Regulatory Commission, Local Authorities, Water Management Boards etc.
vi) Proof of payment for tender document.
vii) Provision of Bid Security.
viii) Dully filled, signed and stamped/sealed Form of Tender.
ix) Dully filled, signed and stamped/sealed Confidential Business Questionnaire (S33).
x) Any other conditions included in the advertisement notice/Invitation letter.

The employer may seek further clarification/confirmation if necessary to confirm authenticity/compliance of any condition of the tender.

The tenderers who do not satisfy any of the above requirements shall be considered Non-Responsive and their tenders will not be evaluated further.

TEC/1
STAGE 2 – TECHNICAL EVALUATION

Checking Brochure against the specification

STAGE 3 – FINANCIAL EVALUATION

Checking prices of technically evaluated bidders

STAGE 4 - POST-QUALIFICATION

An evaluation committee may, after tender evaluation, but prior to the award of the tender, conduct due diligence and present the report in writing to confirm and verify the qualifications of the tenderer who submitted the lowest evaluated responsive tender to be awarded the contract in accordance with this Act.

The conduct of due diligence may include obtaining confidential references from persons with whom the tenderer has had prior engagement.

To acknowledge that the report is a true reflection of the proceedings held, each member who was part of the due diligence by the evaluation committee shall-

(a) initial each page of the report; and
(b) append his or her signature as well as their full name and designation.
SECTION III: GENERAL CONDITIONS OF CONTRACT

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<td>3.21</td>
<td>Notices</td>
<td>32</td>
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SECTION III - GENERAL CONDITIONS OF CONTRACT

3.1 Definitions

3.1.1 In this Contract, the following terms shall be interpreted as indicated:

(a) “The Contract” means the agreement entered into between the Procuring entity and the tenderer, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

(b) “The Contract Price” means the price payable to the tenderer under the Contract for the full and proper performance of its contractual obligations.

(c) “The Goods” means all of the equipment, machinery, and/or other materials, which the tenderer is required to supply to the Procuring entity under the Contract.

(d) “The Procuring entity” means the organization purchasing the Goods under this Contract.

(e) “The Tenderer” means the individual or firm supplying the Goods under this Contract.

3.2 Application

3.2.1 These General Conditions shall apply in all Contracts made by the Procuring entity for the procurement installation and commissioning of equipment to the extent that they are not superceded by provisions of other part of contract.

3.3 Country of Origin

3.3.1 For purposes of this clause, “Origin” means the place where the Goods were mined, grown or produced.

3.3.2 The origin of Goods and Services is distinct from the nationality of the tenderer and will be treated thus in the evaluation of the tender.
3.4 **Standards**

3.4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications.

3.5 **Use of Contract Documents and Information**

3.5.1 The Candidate shall not, without the Procuring entity’s prior written consent, disclose the Contract, or any provision therefore, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring entity in connection therewith, to any person other than a person employed by the tenderer in the performance of the Contract.

3.5.2 The tenderer shall not, without the Procuring entity’s prior written consent, make use of any document or information enumerated in paragraph 3.5.1 above.

3.5.3 Any document, other than the Contract itself, enumerated in paragraph 3.5.1 shall remain the property of the Procuring entity and shall be returned (all copies) to the Procuring entity on completion of the Tenderer’s performance under the Contract if so required by the Procuring entity.

3.6 **Patent Rights**

3.6.1 The tenderer shall indemnify the Procuring entity against all thirdparty claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring entity’s country.

3.7 **Performance Security**

3.7.1 Within twenty eight (28) days of receipt of the notification of Contract award, the successful tenderer shall furnish to the Procuring entity the performance security where applicable in the amount specified in Special Conditions of Contract.
3.7.2 The proceeds of the performance security shall be payable to the Procuring entity as compensation for any loss resulting from the Tenderer’s failure to complete its obligations under the Contract.

3.7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the procuring entity and shall be in the form of
   a) Cash
   b) Bank guarantee
   c) Such insurance guarantee approved by the Authority
   d) Letter of credit

3.7.4 The performance security will be discharged by the Procuring entity and returned to the Candidate not later than thirty (30) days following the date of completion of the Tenderer’s performance obligations under the Contract, including any warranty obligations, under the Contract.

3.8 Inspection and Tests

3.8.1 The Procuring entity or its representative shall have the right to inspect and/or to test the equipment to confirm their conformity to the Contract specifications. The Procuring entity shall notify the tenderer in writing in a timely manner, of the identity of any representatives retained for these purposes.

3.8.2 The inspections and tests may be conducted in the premises of the tenderer. 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.

3.8.3 Should any inspected or tested equipment fail to conform to the Specifications, the Procuring entity may reject the equipment, and the tenderer shall either replace the rejected equipment or make alterations necessary to make specification requirements free of costs to the Procuring entity.

3.8.4 The Procuring entity’s right to inspect test and where necessary, reject the equipment after the equipment arrival and installation shall in no way be limited or waived by reason of the equipment having
previously been inspected, tested and passed by the Procuring entity or its representative prior to the equipment delivery.

3.8.5 Nothing in paragraph 3.8 shall in any way release the tenderer from any warranty or other obligations under this Contract.

3.9 **Packing**

3.9.1 The tenderer shall provide such packing and packaging of the equipment as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.

3.9.2 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.

3.10 **Delivery and Documents**

3.10.1 Delivery of the equipment, documents and installation of the same shall be made by the tenderer in accordance with the terms specified by Procuring entity in its Schedule of Requirements and the Special Conditions of Contract.

3.11 **Insurance**

3.11.1 The equipment supplied under the Contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage, and delivery in the manner specified in the Special conditions of contract.

3.12 **Payment**

3.12.1 The method and conditions of payment to be made to the tenderer under this Contract shall be specified in Special Conditions of Contract.

3.12.2 Payments shall be made promptly by the Procuring entity as specified in the contract.
3.13 Prices

3.13.1 Prices charged by the tenderer for equipment delivered and installation performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tenderer in its tender.

3.13.2 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)

3.13.3 Where contract price variation is allowed, the variation shall not exceed 10% of the original contract price.

3.13.4 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request.

3.14. Assignment

The tenderer shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring entity’s prior written consent

3.15. Subcontracts

3.15.1 The tenderer shall notify the Procuring entity in writing of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in the original tender or later, shall not relieve the tenderer from any liability or obligation under the Contract

3.16. Termination for Default

3.16.1 The Procuring entity may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tenderer, terminate this Contract in whole or in part
(a) if the tenderer fails to deliver any or all of the equipment within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring entity
(b) if the tenderer fails to perform any other obligation(s) under the Contract
3.16.2 In the event the Procuring entity terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, equipment similar to those undelivered, and the tenderer shall be liable to the Procuring entity for any excess costs for such similar equipment.

3.17. Termination for convenience

3.18. Liquidated Damages

3.18.1 If the tenderer fails to deliver and/or install any or all of the items within the period(s) specified in the contract, the procuring entity shall, without prejudice to its other remedies under the contract, deduct from the contract prices liquidated damages sum equivalent to 0.5% of the delivered price of the delayed items up to a maximum deduction of 10% of the delayed goods. After this the tenderer may consider termination of the contract.

3.19. Resolution of Disputes

3.19.1 The procuring entity and the tenderer shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.

3.19.2 If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the SCC.

3.20. Language and Law

3.20.1 The language of the contract and the law governing the contract shall be English language and the Laws of Kenya respectively unless otherwise specified in the SCC.
3.21. Force Majeure

3.21.1 The Tenderer shall not be liable for forfeiture of its performance security or termination for default if and to the extent that it’s delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

3.22 Notices

3.22.1 Any notice given by one party to the other pursuant to this contract shall be sent to other party by post or by fax or Email and confirmed in writing to the other party’s address specified.

3.22.2 A notice shall be effective when delivered or on the notices effective date, whichever is later.
SPECIAL IV - SPECIAL CONDITIONS OF CONTRACT

Notes on Special Conditions of Contract

4.1 The clauses in this section are intended to assist the procuring entity in providing contract-specific information in relation to corresponding clauses in the General Conditions of Contract.

4.2 The provisions of Section IV complement the General Conditions of Contract included in Section III, specifying contractual requirements linked to the special circumstances of the procuring entity and the goods being procured. In preparing Section IV, the following aspects should be taken into consideration.

(a) Information that complement provisions of Section III must be incorporated and

(b) Amendments and/or supplements to provisions of Section III, as necessitated by the circumstances of the goods being procured must also be incorporated.
**SECTION IV - SPECIAL CONDITIONS OF CONTRACT**

4.1 Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, between the GCC and the SCC, the provisions of the SCC herein shall prevail over these in the GCC.

4.2 Special conditions of contract as relates to the GCC

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<thead>
<tr>
<th>REFERENCE OF GCC</th>
<th>SPECIAL CONDITIONS OF CONTRACT</th>
</tr>
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<tr>
<td>3.7.1</td>
<td>5% of Contract Sum</td>
</tr>
<tr>
<td>3.12.1</td>
<td>Payments shall be made promptly by the Procuring entity through RTGS after delivery, installation, testing and commissioning of goods. Advance payment is not applicable in this Tender and hence Bank Guarantee for Advance Payment is not applicable.</td>
</tr>
<tr>
<td>3.18.1</td>
<td>Direct informal negotiation will be used to resolve any disagreement or dispute arising under or in connection with the contract. If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the SCC.</td>
</tr>
</tbody>
</table>
4.3 Special Conditions of Contract for Medical Equipment and Office Furniture for King Fahad Hospital – Lamu County

1. ORIGINAL MANUFACTURER BROCHURE

a) Tenderers are required to submit with their offer an original manufacturer’s brochure for each product/item offered. Failure to submit an original manufacturer brochure will lead to disqualification of the product/item offered.

b) For the purpose of this tender an original manufacturer brochure shall contain the following information;

i) Name and physical address of the product manufacturer, including the phone number, fax number, e-mail address, website (URL) and country.

ii) The product model name/number assigned by the manufacturer

iii) Colour picture of the product which must be clear and reasonably sized.

iv) Description of the product and its features

v) Performance and technical specification of the product including any other technical data

vi) Dimensions of the product

c) A brochure shall not be considered an original manufacturer brochure if;

i) It does not contain any of the requirements in section 1 (b) from (i) to (vi)

ii) Contains superimposed images of the product

iii) Is a photocopy or a scanned copy

d) A soft copy shall be acceptable so long as it is in a manufacturer PDF format and meets all the requirements stipulated in section 1 (b) and 1(c)

2 MANUFACTURER AUTHORIZATION

a) The tenderer shall provide a Manufacturer Authorization as stipulated in the tender documents for all products tendered for. The Manufacturer
Authorization shall specify the product offered in terms of name, model number and country of origin.

b) Any alteration whatsoever on the Manufacturer Authorization will lead to automatic disqualification of the product.

3 QUALITY CERTIFICATION

Three international quality standards bodies used in this tender are;

i) ISO 13485-2003 - Medical Device quality management system
ii) IEC 60601 - Requirement for safety of medical electrical equipment
iv) ISO-9001 - Quality management systems
v) WHO approved products/standards

a) The tenderer shall be required to submit a certificate of conformity to any of the above standards for each of the product offered as specified in the technical specifications.

b) For the certificate of conformity to be valid it shall comply with the following;

i) Issued by recognized and certified independent certification body to the manufacturer
ii) It shall not have expired
iii) Clearly specify the product(s) being manufactured or designed
iv) State the location of the manufacturing plant
v) Must not contain any alterations whosoever

4. COMPLIANCE SHEET

a) Tenderer will be required to submit, in additional to original manufacture brochure, a compliance sheet for each of the product offered. The tenderer must indicate on the compliance sheet whether the product offered comply with each item of the technical specification in the tender document.

b) All the dimensions, capacities and performances of the product to be supplied shall not be less than those required in the tender technical specifications. Deviations from the basic requirements, if any shall be explained in detail in
writing in the compliance sheet, with supporting data such as calculation, etc. The procuring entity reserves the right to reject the products, if such deviations shall be found critical to the use and operation of the products.

e) The tenderer shall be required to commit in writing and present supporting data for compliance with items in the tender technical specification which are not supported by original manufacturer’s brochure.

f) In case of conflict between information/data presented in the original manufacturer brochure and the tenderer’s compliance sheet, the information/data in the original manufacture brochure shall prevail.

5. DELIVERY PERIOD
The tenderer shall be required to indicate the shortest possible delivery period for each product

6. LOCAL BACK UP

a) The tenderer shall indicate the name and address of authorized local representative (Agent) who shall provide local support to the product in terms of installation and commissioning, preventive maintenance, repairs, spare parts availability, training, and consumables throughout the life span of the product.

b) The tenderer shall provide information on the capacity of the local representative or agent to support the product offered in terms of workshop facilities, tools and measuring equipment, spare parts, and qualified and skilled technical staff employed.

7. FALSIFICATION OF DOCUMENTS

Any document or information submitted e.g Manufacturer Authorization, Quality Certificate, Brochures etc may be subjected to verification on authenticity. In case of any falsification the item shall not be acceptable and the procurement entity shall recommend appropriate action to the tenderer.

8. OPERATING ENVIRONMENT

a. All electro medical equipment should comply with the following operating conditions where applicable;
i) Operating Voltage: Three phase 415 V a.c, 50Hz, Single-phase 240 V a.c, 50Hz

ii) Operating Temperatures: 15°C to 36°C

iii) Humidity Range: 20% to 95%

iv) Altitude: 0 to 3000m

v) Environment: Dusty environment

b. All electrical wiring where applicable must comply with current I.E.E or IEC wiring regulation currently in force.

9. PRODUCT AND ACCESSORIES

a) All electro-medical equipment must be model on current production, new and unused.

b) The tenderer shall supply all necessary accessories as part of the components which guarantee normal function of the equipment in accordance with the specifications.

c) All spare parts itemized in the specifications shall be supplied.

d) When the spare parts are available from the manufacturer in packages whose quantity and contents differ from the specifications, the tenderer shall provide the spare parts in amount equivalent to the requirements of the specifications.

c) All consumables itemized in the specifications shall be supplied.

d) When the consumables are available from the manufacturer in packages whose quantity and contents differ from the specifications, the tenderer shall provide the consumables in amount equivalent to the requirements of the specifications. The supplier shall provide sufficient quantities of consumables necessary for testing and commissioning of the equipment even though such consumables may not have been stated in the specifications.

e) Prices quoted shall include all costs of shipment and handling, delivery, pre-installation, installation, testing and commissioning of the products/services at KING FAHAD HOSPITAL- LAMU COUNTY.

f) All items to be supplied must be properly marked, as indicated in the schedule of requirement and corresponding technical specifications.
g) For equipment that require installation and commissioning, payment will be made after successful installation and commissioning and singing of the INSTALLATION AND COMMISSIONING CERTIFICATE issued from the office of the Project Manager, Equalization fund, Ministry of Health and countersigned by the Medical Superintendent, King Fahad hospital, Lamu or his/her representative.

10. TECHNICAL EVALUATION

a) The Tender has been divided into four lots; Lot 1: Physiotherapy equipment, Lot 2: Accident and emergency equipment, Lot 3 office furniture and lot 4 ophthalmology equipment.

The tender shall be evaluated on a lot by lot basis. A physical/actual sample or brochure must be submitted whenever requested in the technical specification.

b) In case the tenderer products is rejected in a lot such that the percentage of rejected products to the total number of items in the lot is more than or equal to 20%, then the tenderer bid for the entire lot shall be rejected.
SECTION V- SCHEDULE OF REQUIREMENTS AND PRICES

Notes on Schedule of Requirements and Prices

5.1 The Procuring entity must state whether the contract is for procurement, installation and commissioning OR whether it is for installation and commissioning only, in which case, the equipment will have been procured separately.

5.2 The tenderers may use additional paper as will be necessary to indicate the details of their costing.
## SECTION V - SCHEDULE OF REQUIREMENTS AND PRICES

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<th>Item Description</th>
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<th>Installation Period</th>
<th>Installation Price</th>
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Total Price Kshs.
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**TOTAL FOR LOT 1**

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**LOT 3- OFFICE EQUIPMENT**

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**LOT 4- EYE DEPARTMENT EQUIPMENT**

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<td>CATARACT SURGERY SET</td>
<td>KFHL-70</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>ELECTROSURGICAL (CAUTERY) UNIT</td>
<td>KFHL-71</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>SURGICAL KNIVES Set</td>
<td>KFHL-72</td>
<td>1 set</td>
</tr>
<tr>
<td>13</td>
<td>OPERATING MICROSCOPE</td>
<td>KFHL-73</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>LENS METER</td>
<td>KFHL-74</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>SLIT LAMP with applanation tonometer</td>
<td>KFHL-75</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>BIOMETRY MACHINE</td>
<td>KFHL-76</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>VITRECTOMY MACHINE</td>
<td>KFHL-77</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>OPHTHALMIC OPERATING BED</td>
<td>KFHL-78</td>
<td>1</td>
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<tr>
<td>19</td>
<td>OPHTHALMIC OPERATING CHAIRS</td>
<td>KFHL-79</td>
<td>1</td>
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<tr>
<td>20</td>
<td>AUTOCLAVE</td>
<td>KFHL-80</td>
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</tbody>
</table>

**TOTAL FOR LOT 4**

**GRAND TOTAL FOR KING FAHAD HOSPITAL LAMU**
SECTION VI - TECHNICAL SPECIFICATIONS

6.1 GENERAL

6.1.1. These specifications describe the basic requirements for equipment. Tenderers are requested to submit with their offers the detailed specifications, drawings, catalogues, etc for the products they intend to supply.

6.1.2 Tenderers must indicate on the specifications sheets whether the equipment offered comply with each specific requirement.

6.1.3 All the dimensions and capacities of the equipment to be supplied shall not be less than those required in these specifications. Deviations from the basic requirements, if any, shall be explained in detail in writing with the offer, with supporting data such as calculation sheets, etc. The procuring entity reserves the right to reject the products, if such deviations shall be found critical to the use and operation of the products.

6.1.4 The tenderers are requested to present information along with their offers as follows:-

(i) Shortest possible delivery period of each product
(ii) Information on proper representative and/or workshop for back-up service/repair and maintenance including their names and addresses
## SECTION VI – TECHNICAL SPECIFICATIONS

COUNTY GOVERNMENT OF LAMU

TECHNICAL SPECIFICATIONS FOR MEDICAL EQUIPMENT

### LOT-1: PHYSIOTHERY EQUIPMENT

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-01</th>
<th>Item Description</th>
<th>Infra red lamp</th>
</tr>
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<tbody>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description

It is used for infrared light emission which relieves muscular tension, reduces inflammation and provides pain relief without medication for many conditions.

2. Composition

2.1 Main unit

2.2 AVR

3. Performance Specifications

3.1 It should have two (2) radiators in the head(s) of the unit

3.1.1 The head(s) should be adjustable

3.1.2 The height of the stand should be adjusted by means of a gas spring

3.1.3 Each light source should be equipped with a cooling fan and a filter mounting system

3.1.4 The radiation power should be variable

3.1.5 It should be able to be adjustable during the duration of the treatment

It should have control panel with buttons

It should have a low-profile wheeled base for ease of movement.

4. Power requirements

4.1 Power consumption

4.1.1 About 395 W

4.2 Duration of treatment

About 30 minutes

5. Consumables

5.1 Spare bulbs

10 pcs

6. Quality standards

6.1 Manufacturing standards

ISO 13485 or any other internationally recognized standards

6.2 Conformity to standards

CE marked or any other internationally recognized documents

7. Delivery point
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7.1</td>
<td>KFH</td>
<td>For inspection, installation and testing</td>
</tr>
<tr>
<td>8</td>
<td>Technical documentation</td>
<td></td>
</tr>
<tr>
<td>8.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>8.2</td>
<td>Service Manual</td>
<td>2 Sets</td>
</tr>
<tr>
<td>9</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>9.1</td>
<td>Equipment</td>
<td>One year after delivery on all parts</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-02</td>
<td>Item Description</td>
</tr>
<tr>
<td>---------------</td>
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<td>-----------------</td>
</tr>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
</tr>
</tbody>
</table>

1. General Description

Heavy duty electrical massager

2. Composition

2.1 Main unit

2.2 AVR

3. Performance Specifications

3.1 Motor 1/17 horsepower

3.1.1 Output Speed 20-60 cycles per second

3.1.2 Speed Control Solid State Electronic

3.1.3 Current Leakage under 75 Micro Amps

3.1.4 Power Cord 10’ hospital grade

3.1.5 Drive Cable 5’

Housing Material ABS Cycolac

Configurations Caster-stand or table-top mounted

Unit Dimensions Approx. 9 1/2” H x 16 1/2” W x 12 1/2” D

Unit Weight Approx. 17 Lbs.

Assembled Unit Weight 26 Lbs.

Timer Yes

Applicator Storage Yes - Built-in top loading bin

8 Consumables

8.1 Nil

9 Quality standards

9.2 Manufacturing standards ISO 13485 or any other internationally recognized standards

Conformity to standards CE marked or any other internationally recognized documents

11 Delivery point

11.1 KFH For inspection, installation and testing

15 Technical documentations

15.1 User manuals 2 Sets

15.2 Service Manual 2 Sets

17 Warranty

17.1 Equipment One year after delivery on all parts
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Wax Bath Therapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-03</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1. General Description

With 24 hour timer and adjustable temperature form 30ºC to 90ºC. Internal dimensions 600 x 300 x 200mm stainless steel, complete with thermostat and cover.

### 2. Composition

#### 2.1 Main unit

#### 2.2

### 3. Performance Specifications

#### 3.1 Suitable for dipping treatment
- With special thermal-oil for sterilization of pure paraffin
- Quick heating
- More even distribution
- Practically no temperature fluctuations in the paraffin
- Stainless steel inner tank with splash cover
- Thermostatic temperature control (30-90ºC)
- Overheating safety mechanism
- Power source, 240V, 50 Hz

**Accessories:** Operating manual.
- Heat transfer liquid, 51 litres
- Paraffin wax pure form 50kg

**Spare Parts:** Heater set 1 No.

### 4. Quality standards

#### 4.2 Manufacturing standards

ISO 13485 or any other internationally recognized standards

Conformity to standards

CE marked or any other internationally recognized documents
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Delivery point</td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>KFH</td>
<td>For inspection, installation and testing</td>
</tr>
<tr>
<td>6</td>
<td>Technical documentations</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>6.2</td>
<td>Service Manual</td>
<td>2 Sets</td>
</tr>
<tr>
<td>7</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>7.1</td>
<td>Equipment</td>
<td>One year after delivery on all parts</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-04</td>
<td>Item Description</td>
</tr>
<tr>
<td>--------------</td>
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<td>------------------</td>
</tr>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
</tr>
</tbody>
</table>

1. General Description

Electrical stimulator

2. Composition

2.1 Main unit

2.2

3. Performance Specifications

3.1

3.1.1 Function

Capable of performing electrotherapy, electro diagnosis and ultrasound

3.1.2 Head

1 and 3 MHZ multi-frequency, treatment heads can function as electrodes

3.1.3 Frequency

All low and medium frequency current types

2 completely separated current channels for current types as well as intensity

Special clusters for quick and efficient application of muscle strengthening, lontophoresis and strength duration curve

Memory

External memory with 3 different memory cards
3 remote controls

Simple connections to the vacotrom

Continuous and pulsed ultrasound

Therapy

Multi-frequency treatment head for 1 and 3 MHZ

Contact control automatic power switch-off and treatment time interruption in case of insufficient contact.

Visual indicator of the treatment head switched on

Quick and simple combination of ultrasound with several current types

Power

240V, 50Hz

Accessories:

- Rubber electrodes 6x8cm, 4mm, female set of 2, 2x
- Patient cable, 2-core and 4mm male plug; 2x
- Moist pads for rubber electrode 6x8cm; set of 4
- Strap 250x3 cm
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
|   | o Multi-frequency treatment head large 1 and 3 MHZ  
|   | o Holder for 1 ultrasound head  
|   | o Contact gel bottle 250ml  
| 4.1 | Consumables  
| 4.1 | Nil  
| 5 | Quality standards  
| 5.1 | Manufacturing standards | ISO 13485 or any other internationally recognized standards  
|   | Conformity to standards | CE marked or any other internationally recognized documents  
| 6 | Delivery point  
| 6.1 | KFH | For inspection, installation and testing  
| 7 | Technical documentations  
| 7.1 | User manuals/DVD | 2 Sets  
| 8 | Warranty  
| 8.1 | Equipment | One year after delivery on all parts  

Department | Rehabilitation | Room Name/No. | Physiotherapy
---|---|---|---
| | | |
| Item Code No. | KFHL-05 | Item Description | Tens Unit

1. General Description

Tens Unit

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit Portable

3.2 Waveform Asymmetric biphasic square pulse

3.2.1 Channel Dual, independent

3.2.2 Modes Burst, Normal, Modulated

3.3 Frequency Adjustable, 2-150 Hz

3.4 Pulse width Adjustable, 60-250 micro seconds

3.5 Pulse amplitude Adjustable

4 Physical characteristics

4.1 Main unit

Dimensions 30 x 60 x 90 mm

5 Operating environment

5.1 Power Requirements 240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord with PE

5.2 Ambient temperature 10° C to 40° C

5.3 Relative humidity 40% to 90%

6 Delivery point

6.1 MLKH For inspection, testing and commissioning

6.2 Nil

7 Training

7.1 User Training On site user training on operation and daily up keep

7.2 Maintenance training On site maintenance training on preventive maintenance

8.1 Technical documentations

8.2 User manuals 2 Sets

8.3 Service Manual 1 Set

8.4 Drawings Nil

9 Commissioning

9.1 Testing and commissioning of the machine to the satisfaction of the user.

10 Warranty

10.1 Equipment Minimum of one year after commissioning on all parts.

10.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Department</th>
<th>Item Description</th>
<th>Room Name/No.</th>
<th>Saunders traction machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-06</td>
<td>Rehabilitation</td>
<td></td>
<td>Physiotherapy</td>
<td></td>
</tr>
</tbody>
</table>

1. General Description
Cervical traction kit

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 With up to 50 pounds of traction
3.1.1 Provides a comfortable and cost-effective option to continuing clinical traction treatments
3.1.2 With adjustable neck cushions slide in and out for custom fit/ independently adjustable
3.1.3 With quick release which allows the user to immediately release all pressure; increasing safety and convenience
3.1.4 Allows three angles of traction at 10°, 15° and 20° with no additional parts, attachments or accessories required
3.1.5 The width of neck wedges should be calibrated

4. Consumables
4.1 Nil

5. Quality standards
5.1 Manufacturing standards ISO 13485 or any other internationally recognized standards
5.2 Conformity to standards CE marked or any other internationally recognized documents

6. Delivery point
6.1 KFH For inspection, installation and testing

7. Technical documentations
7.1 User manuals/DVD 2 Sets

8. Warranty
8.1 Equipment One year after delivery on all parts
1. General Description
Ultrasound combination therapy

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 Main Unit
3.1.1 Frequency 1 and 3 MHz
3.1.2 Channel Dual
3.1.3 Wave form Interferential, pre-modulated, high volt, and Russian
3.1.4 Therapy Pulsed and continuous
3.1.5 Traction force Automatic calibration
3.1.6 Intensity control Provided for both channels independently
3.1.7 User defined protocol Provided

3.2 Accessories
3.2.1 Sound Head applicator 2 pcs(5 cm² and 10 cm²)
3.2.2 Gel 1 pc (250ml)
3.2.3 Electrotherapy lead wire 2 pcs
3.2.4 Round electrodes 4 Sets (7 cm)
3.2.5 Rubber electrode 2 pcs (Red, Black)
3.2.6 Wrap 2 sets

3.3 Cart To be provided

4. Physical characteristics
4.1 Main unit Mobile on cart with casters

5. Operating environment
5.1 Power Requirements 240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord with PE
5.2 Ambient temperature 10°C to 40°C
5.3 Relative humidity 40% to 90%

6. Delivery point
6.1 KFH For inspection, testing and commissioning
6.2 Nil

7. Training
7.1 User Training On site user training on operation and daily up keep
7.2 Maintenance training On site maintenance training on preventive maintenance

8. Technical documents
8.1 Technical documents
8.2 User manuals 2 Sets
8.3 Service Manual 1 Set
8.4 Drawings Nil

9. Commissioning
9.1 Testing and commissioning of the machine to the satisfaction of the user.

10. Warranty
10.1 Equipment Minimum of one year after commissioning on all parts.
10.2 Equipment System Nil
## General Description

Pack heater for heating hot packs

## Composition

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Main pack heater unit</td>
<td>1 No.</td>
</tr>
<tr>
<td>2.2</td>
<td>Hot pack</td>
<td>Assorted sizes</td>
</tr>
<tr>
<td>2.3</td>
<td>Towel Holder</td>
<td>1 No.</td>
</tr>
<tr>
<td>2.4</td>
<td>Rack</td>
<td>1 No.</td>
</tr>
<tr>
<td>2.5</td>
<td>Base grid</td>
<td>1 No.</td>
</tr>
<tr>
<td>2.6</td>
<td>Tong</td>
<td>1 No.</td>
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## Performance Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main pack heater unit</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>Mild steel with enamel coating</td>
</tr>
<tr>
<td>Type</td>
<td>Table Model</td>
</tr>
<tr>
<td>Capacity</td>
<td>About 29 litres</td>
</tr>
<tr>
<td>Working water temperature</td>
<td>Adjustable from 50° – 95° C</td>
</tr>
<tr>
<td>Hot Packs</td>
<td>Cotton packs filled with volcanic mineral grains, assorted sizes as follows;</td>
</tr>
<tr>
<td>Oversize hot pack</td>
<td>1 Pair</td>
</tr>
<tr>
<td>Size 38 x 61 cm</td>
<td></td>
</tr>
<tr>
<td>Neck model hot pack</td>
<td>1 Pair</td>
</tr>
<tr>
<td>Size 15 x 61</td>
<td></td>
</tr>
<tr>
<td>Hot pack size</td>
<td>1 pair</td>
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<tr>
<td>25 x 30 cm</td>
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<tr>
<td>Hot Pack size</td>
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<tr>
<td>12 x 30 cm</td>
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<td>Hot Pack size</td>
<td>1 Pair</td>
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<td>30 x 40 cm</td>
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<tr>
<td>Hot Pack size</td>
<td>3 Pair</td>
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<tr>
<td>13 x 30 cm</td>
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<tr>
<td>Hot Pack size</td>
<td>6 Pair</td>
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<td>13 x 14 cm</td>
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<td>Hot Pack size</td>
<td>1 Pair</td>
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<tr>
<td>27 x 35 cm</td>
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<tr>
<td>Hot Pack size</td>
<td>3 Pair</td>
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<tr>
<td>13 x 28 cm</td>
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<tr>
<td>Towel Holder</td>
<td>Constructed from stainless steel</td>
</tr>
<tr>
<td>Capable of holding 3 packs</td>
<td></td>
</tr>
<tr>
<td>Base grid</td>
<td>Plastic coated</td>
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<tr>
<td>For pack heater</td>
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<td>3.5</td>
<td>Tong</td>
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<td>------</td>
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<tr>
<td>3.5.1</td>
<td>Standard Size</td>
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<td>4</td>
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<td>4.1</td>
<td>Main unit</td>
</tr>
<tr>
<td>4.1.1</td>
<td>Dimensions</td>
</tr>
<tr>
<td>4.1.2</td>
<td>Height</td>
</tr>
<tr>
<td>4.1.3</td>
<td>Diameter</td>
</tr>
<tr>
<td>5</td>
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</tr>
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<td>5.1</td>
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<td>5.2</td>
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<td>5.3</td>
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</tr>
<tr>
<td>6</td>
<td>Accessories</td>
</tr>
<tr>
<td>6.1</td>
<td>Nil</td>
</tr>
<tr>
<td>7</td>
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<tr>
<td>7.1</td>
<td>Spare heater</td>
</tr>
<tr>
<td>7.2</td>
<td>Thermostat</td>
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<td>8</td>
<td>Quality standards</td>
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<td>8.1</td>
<td>Manufacturing standards</td>
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<td>8.2</td>
<td>Conformity to standards</td>
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<td>9</td>
<td>Local back up service</td>
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<td>9.1</td>
<td>Available</td>
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<td>9.2</td>
<td>Capacity to service equipment</td>
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<td>10</td>
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<td>10.1</td>
<td>KFH</td>
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<tr>
<td>10.2</td>
<td>Nil</td>
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<tr>
<td>11</td>
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</tr>
<tr>
<td>11.1</td>
<td>User manuals</td>
</tr>
<tr>
<td>11.2</td>
<td>Service Manual</td>
</tr>
<tr>
<td>12</td>
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</tr>
<tr>
<td>12.1</td>
<td>Equipment</td>
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<td>Item Code No.</td>
<td>Department</td>
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<tr>
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<td>------------</td>
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<tr>
<td>KFHL-9</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description
   Deep freezer

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit

3.1.1 Material
Insulated galvanized steel

3.1.2 Type
Compressor, electrical

3.1.3 Door
Single door

3.1.4 Net storage capacity
250 litres

3.1.5 Temperatures range
-20 °C

3.1.6 Ambient temperature
10 °C to 35°C

3.1.7 Shelves
Provided, adjustable and extractable

3.1.8 Thermometer
Digital, external mounted, with temperature record history

3.1.9 Control
Electronic, Microprocessor based

3.1.10 Refrigerant
CFC free

3.1.11 Temperature
Provided, audible and visible

3.1.12 Dimensions
Approximately D820x W 600x 1200 H (mm)

3.1.13 Power
240V, 50 Hz, a.c

4 Accessories

4.1 Nil

5 Quality standards

5.1 Manufacturing standards
ISO 9001

5.2 Conformity to standards
CE marked or any other internationally recognized documents

6 Delivery point

6.1 KFH
For inspection and testing

6.2 Nil

7 Warranty

7.1 Equipment
Minimum of one year after commissioning on all parts.

7.2 Equipment System
Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>Rehabilitation</th>
<th>Room Name/No.</th>
<th>Physiotherapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-10</td>
<td>Item Description</td>
<td>Pediatric static bicycle</td>
</tr>
</tbody>
</table>

1. General Description

Pediatric static bicycle

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit | Coated mild steel
3.2 Display | Digital LCD screen
3.3 Resistance | Provided, adjustable (0-20) levels, electronic suitable for pediatrics
3.4. Traction | Belt type
3.5 Effort | Variable, 1 level
3.6 Cardio rate recording | Provided
3.7 Height | Adjustable, suitable for pediatric
3.8 Alarms | Provided

4. Physical characteristics

4.1 Main unit | The unit should be mobile on large castors.

5. Operating environment

5.1 Power Requirements | 240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord with PE
5.2 Ambient temperature | 10°C to 40°C
5.3 Relative humidity | 40% to 90%

6. Delivery point

6.1 KFH | For inspection, testing and commissioning
6.2 Nil

7. Training

7.1 User Training | On site user training on operation and daily up keep
7.2 Maintenance training | On site maintenance training on preventive maintenance

8. Technical documentations

8.1 Technical documentations | User manuals 2 Sets
8.2 Service Manual | 1 Set
8.3 Service Manual | 1 Set
8.4 Drawings | Nil

9. Commissioning

9.1 Testing and commissioning of the machine to the satisfaction of the user.

10. Warranty

10.1 Equipment | Minimum of one year after commissioning on all parts.
10.2 Equipment System | Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-11</th>
<th>Item Description</th>
<th>Tread Mill Exerciser</th>
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<tbody>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description

Tread mill Exerciser

2. Performance Specifications

2.1 Technical specifications:
- console with liquid crystals display;
- max. working speed: 16.0 km/h constant;
- min. working speed: 0.2 km/h constant;
- max inclination: 12 %;
- min. inclination: 0 %;
- electronic variation of inclination and speed;
- walking surface: 150 x 50 cm;
- electric power supply 240 V, 50 Hz ;
- noise: < 30 DB;
- self-centring belt system;
- self-oiling belt system;
- acoustic warning to the pressure of the keys;
- user’s max. weight: 150 kgs;
- speed and inclination control on console and handrails;
- serial interface with Trackmaster protocol (MTJ only);
- Can work with a variety of Cardio rate Machines

Standard accessories:
- wheels for movement;
- service equipment;
- underarm kit with seat;
- long size handrails;
- chest belt for cardio rate test
- RS232 output

**Console functions:**
- PROFILES: 6 basic profiles that can be modified with speed, inclination and time independent setting;
- CARDIO: training at constant pulsations (until 80% of max. theoretical own heart rate) with machine self-adjustment of the speed to keep heart rate within max. set value;
- FAT BURNING: training at constant pulsations (until 65% of max. theoretical own heart rate) with machine self-adjustment of the inclination to keep heart rate within max. set value;
- THREE TESTS: two auto tests, CHR (Constant Heart Rate) and CWL (Constant Work Level), let making a constant heart rate or load exercise. The third, TEST, lets making an increasing load exercise with 1 km/h rising speed per minute;
- COUNT DOWN: decreasing setting of exercise timing;
- OWN INFO: setting of user’s personal data (age and weight). Vinyl coated, color-coded cast iron dumbbells ideal for upper body exercise

3 Consumables
<p>| | | |</p>
<table>
<thead>
<tr>
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<td>CE marked or any other internationally recognized documents</td>
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<td></td>
</tr>
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<td>5.1</td>
<td>KFH</td>
<td>For inspection and testing</td>
</tr>
<tr>
<td>6</td>
<td>Technical documentation</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>7</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>7.1</td>
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<td>Item Code No.</td>
<td>KFHL-12</td>
<td>Item Description</td>
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</tr>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
</tr>
</tbody>
</table>

1. General Description

Wall Bars

2. Performance Specifications

2.1 Multi fitness wall - 190 x 110 cm (74,8" x 43,31"). Flanks - multiplex; wall bars - hard wood. Bench: 180 x 35 cm (70,87"x 13,78"), upholstered. Seat upholstered, can be moved freely (e.g. for rowing exercises). Including 2 expanders. Incl.: Attachment material for the wall or floor assembly.

3 Consumables

3.1 Nil

4 Quality standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 KFH For inspection, testing and installation

6 Technical documentations

6.1 User manuals 2 Sets

7 Warranty

7.1 Equipment One year after delivery
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-13</th>
<th>Item Description</th>
<th>Re-education stairs</th>
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<tbody>
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<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description
Re-education stairs

2. Performance Specifications

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<th></th>
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<tbody>
<tr>
<td></td>
<td>2 sections which lock together and can be converted from a straight line to right angle</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>● anti-slip treads</td>
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<tr>
<td></td>
<td>● handrails 18½, 27, 35&quot; high</td>
<td></td>
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<tr>
<td></td>
<td>● overall height 54&quot;; height top platform 24&quot;. Long section 5'10&quot;</td>
<td></td>
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</table>

3. Consumables

3.1 Nil

4. Quality standards

4.1 Manufacturing standards

4.2 Conformity to standards

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<td>CE marked or any other internationally recognized documents</td>
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</table>

5. Delivery point

5.1 KFH

6. Technical documentations

6.1 User manuals

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<td>2 Sets</td>
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7. Warranty

7.1 Equipment

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<tr>
<td>Department</td>
<td>Rehabilitation</td>
</tr>
</tbody>
</table>

1. **General Description**

Medicine (gym) balls

2. **Performance Specifications**

- color-coded weighted balls
  - small enough and flexible enough to grasp with one hand, yet big enough to hold with two hands
  - increase in weight from 1.1 lb. through 6.6 lbs. (0.5 to 3 kgs.) while maintaining a constant 5” (12.7cm) diameter
  - use a bicycle pump to inflate/deflate to make ball easier to grasp constant diameter (5” diameter)
- tan ½ kg 1.1 lb, 2 pcs
- yellow 1 kg 2.2 lb, 2 pcs
- red 1½ kg 3.3 lb, 2 pcs
- green 2 kg 4.4 lb, 2 pcs
- blue 2½ kg 5.5 lb, 2 pcs
- black 3 kg 6.6 lb, 2 Pcs

rack to be included
2-tier holds 3 balls each tier

3. **Consumables**

3.1 Nil

4. **Quality standards**

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5. **Delivery point**

5.1 KFH For inspection, and testing

6. **Technical documentations**

6.1 User manuals 2 Sets

7. **Warranty**

7.1 Equipment One year after delivery
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-15</th>
<th>Item Description</th>
<th>Parallel bars</th>
</tr>
</thead>
</table>

| Department     | Rehabilitation | Room Name/No.     | Physiotherapy |

1. General Description
Parallel bars

2. Performance Specifications
It is a 3-meter long parallel bar system used for physical or rehabilitative training activity. It includes a painted steel framework and a wear-proof laminated wooden footboard, equipped with access flights, thermoplastic and non-slip handrails. All parts can easily be washed. These parallel bars can be adjusted for height using a telescopic system. Locking is assured by an exclusive twin hand wheel that prevents both accidental loosening as well as possible slight settling of the uprights when the ambulating person is being loaded. Thermoplastic modules or bags can be used on the footboard to create specific therapeutic rehabilitation walk paths.

**Accessories:**
PARALLEL BAR TROLLEY - This allows the simultaneous adjustment of the handrails. In this case, adjusting the trolley trunk support can take also place while therapeutic exercise is being carried out.
The trolley comes equipped with four mechanical stops and a connecting rod

**THERAPEUTIC WALKPATH SET.**
It includes 2 pairs per type of the following modules: obstacle-hurdle, concave-convex, hemispheres, roller-bags and sensory bags.
A carrying trolley is included in the walk path set

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<tr>
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<tbody>
<tr>
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<tr>
<td>Department</td>
<td>Rehabilitation</td>
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</table>

1. General Description

Pulley system

1. Performance Specifications
This is a pulley system for training and rehabilitation of extremities. The Pulley is equipped with 10 cm Ø quality pulleys with ball bearings that will perform the best possible vertical, horizontal, diagonal functions of rehabilitation. The Pulley should be bilateral which gives possibility to choose single or double training. Alternatively two people can train single on the same unit. The Pulley to be mounted on a freestanding stand. This pulley apparatus may be attached to treatment benches, beds etc., and is particularly useful in clinics with little space, or when treatment must take place in different rooms.

Weight stack includes 24 sets of 0.5 kg weight gives you totally 12kgs

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4. Quality standards

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5. Delivery point

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6. Technical documentations

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7. Warranty

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<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
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</tbody>
</table>

1. General Description

Multi Gym Apparatus

### 1. Performance Specifications

A four-sided modular system with wheels allows you the diversity to move the system wherever you need in your clinic. The four-sided module allows you large number of mounting options based on the unique needs of your clinic. A see-through design allows for easy monitoring of four to five patients at a time as they work simultaneously on their exercise programs. This pulley system is extremely low maintenance with essentially no down time making it very cost effective and practical. It is should be a very functional, and reliable equipment.

**Accessories:**
- Mobile wheel set.
- Stabilizer Bars (set of four).
- 45° stabilizer bars (set of four).
- Instruction panels for module.

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<td>KFHL-18</td>
<td>Rehabilitation</td>
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1. General Description
Plaster shears, large size, stainless steels

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<tbody>
<tr>
<td>KFHL-19</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Swizz ball</td>
<td></td>
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</table>

1. General Description
Swizz ball, constructed from soft elastic material
Diameter about 65 cm when inflated with air
Complete with air valve

<table>
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<th>2</th>
<th>Quality standards</th>
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<tbody>
<tr>
<td>2.1</td>
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<tr>
<td>Department</td>
<td>Rehabilitation</td>
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</tbody>
</table>

1. General Description

Monkey chain for getting up and lying down assistance
Constructed from rigid chrome plated mild steel
Complete with top bar, chain, clamp
Overall height about: 170 0 mm
Mounting clamp: adjustable 20mm to 80 mm

2 Quality standards

2.1 Conformity to standards
CE marked or any other internationally recognized documents

3 Delivery point

3.1 KFH
For inspection, installation and testing

4 Technical documentations

4.1 User manuals
2 Sets

5 Warranty

5.1 Equipment

<table>
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<tr>
<th>Item Code No.</th>
<th>KFHL-21</th>
<th>Item Description</th>
<th>Flexible bar</th>
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<tbody>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description

Flexible bar equivalent to specification as ‘Theraband FlexBar’
Constructed from rubber material
Length: 12 inches
Diameter: 2 inches
Strengths: 25 pounds to bend to U shape

2 Quality standards

2.1 Conformity to standards
CE marked or any other internationally recognized documents

3 Delivery point

3.1 KFH
For inspection, installation and testing

4 Technical documentations

4.1 User manuals
2 Sets

5 Warranty

5.1 Equipment
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-22</th>
<th>Item Description</th>
<th>Hand exerciser</th>
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<tr>
<td>Department</td>
<td>Physiotherapy</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description

Hand exerciser with stainless steel spring and adjustable resistance

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Main frame

3.1.2 Resistance

4 Quality Standards

4.1 Manufacturing standards

4.2 Conformity to standards

5 Delivery point

5.1 See Schedule

5.2 Nil

6 Warranty

6.1 Equipment

6.2 Equipment System

<table>
<thead>
<tr>
<th>Department</th>
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</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-23</td>
<td>Item Description</td>
<td>Electric Saw</td>
</tr>
</tbody>
</table>

1. General Description

Electric saw for plaster, Oscillating type, 240V, 50Hz. Provide three pieces of Blades, stainless steel

2 Delivery point

2.1 KFH

2.2 Nil
<table>
<thead>
<tr>
<th>Department</th>
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<th>Room Name/No.</th>
<th>Physiotherapy</th>
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<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-24</th>
<th>Item Description</th>
<th>Traction Bed (Lumber)</th>
</tr>
</thead>
</table>

1. General Description

Lumber traction bed consisting of cheat piece, waist piece, traction table and traction machine. Electrically operated with adjustable back rest, and height. Robust coated mild steel construction on four antistatic castors φ 100mm, 2 lockable.

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Traction bed 3-4 sections
3.1.2 Material of main unit Coated mild steel
3.1.3 Head Section Adjustable
3.1.4 Back rest Adjustable
3.1.5 Leg section Adjustable about ± 45°
3.1.6 Mattress High density form mattress with removable leather imitation material or water proof cover
3.1.7 Height Adjustable about 50 cm to 95 cm by electrical motor operated by a foot switch
3.1.8 Dimensions (Overall) 2000 mm(L) X 800mm (W) X (500-950) mm( H)
3.1.9 Mobile With 4 rubber castors φ 60mm, with locking system
3.1.10 Weight to handle 180 kg
3.2 Traction machine Electronic controlled with digital LCD display 7”

With control for hold time and release time
3.2.1 Traction Max traction force 100 kg, with static, harmonic and intermitted variable traction control
3.2.2 Power 240V, 50 Hz, single phase
3.3 Accessories To provide all standard accessories including, chest piece belts, waist / lower back piece belt etc

4 Quality Standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards
4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 See schedule Delivery point

6 Warranty

6.1 Equipment Minimum of one year after delivery
6.2 Equipment System Nil
<table>
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<td>Item Code No.</td>
<td>KFHL-25</td>
<td>Item Description</td>
<td>HYDROCOLLATOR MOIST PACK HEATER</td>
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</table>

**General Description**

Hydro collator moist pack heater

**2. Composition**

<table>
<thead>
<tr>
<th>2.1</th>
<th>Main unit Heat packs</th>
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</table>

**3. Physical Specifications**

<table>
<thead>
<tr>
<th>3.1</th>
<th><strong>Main body Construction</strong></th>
</tr>
</thead>
</table>

Durable stainless steel water tanks thermostatically controlled to ensure the ideal therapeutic temperature for Heat packs. Full fiberglass insulation to prevent heat loss. Simple to fill with water. No plumbing required. Drain valve and drain pipe attached. Mobile unit equipped with 8 cm swivel, rubber casters for friction free movement.

<table>
<thead>
<tr>
<th>3.2</th>
<th><strong>Technical Specifications</strong></th>
</tr>
</thead>
</table>

Tank Capacity 136 L
Temperature Range 71°-74°C
Thermal Cut-out Temp. 82°-85°
Accuracy 10%
Heat up Time 8 Hrs (to 70° C) Cool Down Time 4 Hrs (from 70° C)
Fiberglass Insulation
Mains Power: 110/240 V 50/60 Hz
Power Consumption: 1500 W
Weight: 60 kg
Dimensions: (L x W x H) 89 x 51 x 84 cm
Electrical Safety Class: Class 1, Type B
Safety Tests: EN 60601-1

<table>
<thead>
<tr>
<th>3.1.3</th>
<th><strong>Accessories</strong></th>
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</table>

**a) Hot Packs**

Size A Hotpack 23 cm x 39 cm (10” x 18")- 2 pcs
Size B Hot pack 25 cm x 61 cm (10” x 24")-2 pcs
Oversize 38 cm x 61 cm (15” x 24")-2 pcs
Neck Contour 61 cm (24” Long)- 2 pcs
Half Size 13 cm x 30 cm (5” x 12")-4 pcs
Hand 17 cm x 32 cm (6.5” x 12.5")- 2 pcs
Standard 25 cm x 30 cm (10” x 12”)- 12 pcs
Knee-Shoulder 25 cm x 50 cm (10” x 20”)- 4 pcs

**b) All-Terry Covers**

Standard 48 cm x 69 cm (19” x 27”)-4 pcs
Oversize 61 cm x 91 cm (24” x 36”)-2 pcs
Neck Contour 64 cm x 46 cm (25” x 18”)-2 pcs
Hand Contour Terry Cover 28 cm x 36 cm (11” x 14”)- 2 pcs
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Hand Contour Dual PocketTerry Cover 58 cm x 36 cm (23” x 14”) - 1 pc</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.2.2</td>
<td>Power</td>
<td>240V, 50 Hz, single phase</td>
</tr>
<tr>
<td>4</td>
<td>Quality Standards</td>
<td></td>
</tr>
<tr>
<td>4.1</td>
<td>Manufacturing standards</td>
<td>ISO 9001 or any other internationally recognized standards</td>
</tr>
<tr>
<td>4.2</td>
<td>Conformity to standards</td>
<td>CE marked or any other internationally recognized documents</td>
</tr>
<tr>
<td>5</td>
<td>Delivery point</td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>See schedule</td>
<td>Delivery point</td>
</tr>
<tr>
<td>6</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>Equipment</td>
<td>Minimum of one year after delivery</td>
</tr>
<tr>
<td>6.2</td>
<td>Equipment System</td>
<td>Nil</td>
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<td>KFHL-26</td>
<td>Item Description</td>
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</tr>
<tr>
<td>Department</td>
<td>Physiotherapy</td>
<td>Room Name/No.</td>
</tr>
</tbody>
</table>

1. General Description

Peddle cycle, manual type with resistance control, and digital display

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Main frame  Constructed from coated mild steel on four robber studs
3.1.2 Pedal  Manual type, floor mounting model
3.1.3 Resistance  Adjustable by manual control knob
3.1.4 Display  LCD type powered manually while peddling

4 Quality Standards

4.1 Manufacturing standards  ISO 9001 or any other internationally recognized standards
4.2 Conformity to standards  CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule  For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment  Minimum of one year after delivery
6.2 Equipment System  Nil

---

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-27</th>
<th>Item Description</th>
<th>Posture correction mirror</th>
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<tbody>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Occupational therapy</td>
</tr>
</tbody>
</table>

1. General Description

2. Composition

2.1 Main unit

2.2

3. Performance Specifications

3.1.1 Material  High optical quality mirror, shatter proof to BS 6206B
3.1.2 Size  1220mm H X 610 mm W X 6mm Thickness
3.1.3 Frame  Powder coated steel or aluminum frame
3.1.4 Mounting  Mobile Stand on castors with locks

4 Quality standards

4.2 Conformity to standards  CE marked or any other internationally recognized documents

5 Delivery point

5.1 KFH  For inspection and testing
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-28</th>
<th>Item Description</th>
<th>Shoulder wheel</th>
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<tbody>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. **General Description**
   Shoulder wheel for physical therapy. Constructed from chrome plated shoulder with wooden plates. Wall mounted type.

2. **Composition**
   2.1 Main unit

3. **Performance Specifications**
   3.1 Should have chrome plated wheel mounted on upper and lower wooden plate
   3.1.1 With adjustable handle location: Dia 10” to 40”.
   3.1.2 White provision for height adjustment of wheel.
   3.1.3 With resistance control mechanism
   3.1.4 Wheel size about 37”

4. **Quality standards**
   4.2 Conformity to standards: CE marked or any other internationally recognized documents

5. **Delivery point**
   5.1 KFH: For inspection, installation and testing

6. **Technical documentations**
   6.1 User manuals: 2 set

7. **Warranty**
   7.1 Equipment: One year after delivery
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-29</th>
<th>Item Description</th>
<th>Quadriceps Bench</th>
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</thead>
<tbody>
<tr>
<td>Department</td>
<td>Rehabilitation</td>
<td>Room Name/No.</td>
<td>Physiotherapy</td>
</tr>
</tbody>
</table>

1. General Description
A Multi-purpose chair for the rehabilitation of upper and lower limbs and muscular exercises.

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 Should have swinging arm which can be used from both sides.

3.1.1 Resistance is applied by 5 weights, 1 kg each, supplied.

3.1.2 The magnitude of effort, range of movement and point of application can be controlled individually.

3.1.3 The 90° backrest can be positioned horizontally, by a gas spring servo-assisted with a mechanical limit stop, in order to allow exercising the limb in prone position.

3.1.4 With practical and adjustable padded rollers to secure legs, extension strap and lock clip to secure feet.

3.1.5 With Additional support for using both limbs (right and left) Lower limb rehabilitation

4 Quality standards
4.2 Conformity to standards | CE marked or any other internationally recognized documents |

5 Delivery point
5.1 KFH | For inspection, installation and testing |

6 Technical documentations
6.1 User manuals | 2 Sets |

7 Warranty
7.1 Equipment | One year after delivery |
### General Description

Hand exerciser balls with different densities and colour codes for identification

### Composition

**2.1** Hand exercise ball (low density) 2 Pcs.

Hand exercise ball (Medium density) 2 Pcs.

Hand exercise ball (High density) 2 Pcs.

Diameter size 120 cm 2 Pcs

### Performance Specifications

**3. Main Unit**

**3.1.1** Material

Constructed of soft density material with durable bright colour and returns back to position after each squeeze

**3.1.2** Surface

Slip Resistant Ribbed

**3.1.3** Seamless construction

**3.1.4** Colour

Each density to have a unique bright colour

**3.1.5** Sample

Submit a sample of 1 piece for evaluation.

### Quality standards

**4.1** Manufacturing standards

IEC, or ISO 9001 or any other internationally recognized standards

**4.2** Conformity to standards

CE marked or any other internationally recognized documents

### Delivery point

**5.1** KFH

For inspection and testing
### LOT 2- ACCIDENT & EMERGENCY EQUIPMENT

<table>
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<tr>
<td>Item Code No.</td>
<td>KFHL-30</td>
<td>Item Description</td>
<td>Standard hospital BED</td>
</tr>
</tbody>
</table>

1. General Description

Standard hospital bed with side rails and back rest with adjustable back rest. Robust stainless steel construction on four antistatic castors φ 60mm, 2 lockable. With safety side rails and antistatic high density mattress covered with vinyl leather material.

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Type

3.1.2 Material of main unit

3.1.3 Head adjustment

3.1.4 Side rails

3.1.5 Mattress

3.1.6 Dimensions (Overall)

3.1.7 Mobile

3.1.8 Weight to handle

4 Quality Standards

4.1 Manufacturing standards

4.2 Conformity to standards

5 Delivery point

5.1 KFH

6 Warranty

6.1 Equipment

6.2 Equipment System

Minimum of one year after delivery

Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>A&amp;E</th>
<th>Room Name/No.</th>
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<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-31</td>
<td>Item Description</td>
<td>Examination couch with stepper ladder</td>
</tr>
</tbody>
</table>

### 1. General Description

Examination couch suitable for use in consultant rooms. Should be constructed from coated robust mild steel or chrome plated robust metallic material. Adjustable headrest, mechanically controlled. Should be provided complete with urethane foam mattress covered with vinyl leather.

### 2. Composition

2.1 Main unit
   Stepper ladder

### 3. Physical Specifications

3.1 Main Unit
3.1.1 Material of main unit | Tubular mild steel, epoxy coated or chromed plated |
3.1.2 Head adjustment | Provided |
3.1.3 Mattress | High density form mattress with removable leather imitation material or Vitapru cover (Water proof type) |
3.1.4 Dimensions (Overall) | 1900 mm(L) X 650mm (W) X 750mm( H) |
3.1.5 Weight to handle | 180 kg |
3.2 Stepper ladder
3.2.1 Material | mild steel, epoxy coated or chromed plated |
3.2.2 Steps | 2 or 3 |

### 4. Quality Standards

4.1 Manufacturing standards | ISO 9001 or any other internationally recognized standards |
4.2 Conformity to standards | CE marked or any other internationally recognized documents |

### 5. Delivery point

5.1 KFH | Delivery point |

### 6. Warranty

6.1 Equipment | Minimum of one year after delivery |
6.2 Equipment System | Nil |
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-32</th>
<th>Item Description</th>
<th>Infusion stand</th>
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<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Drip stand

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit | Constructed from chrome plated mild steel
3.2 Hook | Double hook
3.3 Height | Adjustable 1300mm to 2000mm
3.4 Castors | Four castors Ø 50mm, with brakes

4. Quality standards

4.1 Manufacturing standards | ISO 9001 or any other internationally recognized standards
4.2 Conformity to standards | CE marked or any other internationally recognized documents

5. Delivery point

5.1 KFH | For inspection, installation and testing
5.2 Nil
1. General Description
Portable Pulse Oximeter for use in operating theaters. Should be capable of continuous measuring/monitoring of \( \text{SpO}_2 \) and pulse rate in adults, neonatal and pediatric.

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 Main Unit Portable type

3.1.1 The unit should be a model or type on current production and capable of measuring/monitoring \( \text{SpO}_2 \) and pulse rate

3.1.2 \( \text{SpO}_2 \) 0 - 100%

3.1.3 Accuracy 70-80% ± 3 digits, 80-100%± 2 digits

3.1.4 Pulse Rate 30-300 bpm ±

3.1.5 Accuracy ± 1 pulse per minute

3.1.6 Battery Built in rechargeable battery about 4 hours operation

4. Operating environment

4.1 Power Requirements 240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord BS type with PE

5. Accessories
5.1 Reusable probe for adult 2 pcs

5.2 Reusable probe for Peads 2 pcs

5.3 Reusable probe for neonate 2 pcs

6. Quality standards
6.1 Manufacturing standards IEC 60601-1, ISO 9001 or any other internationally recognized standards

6.2 Conformity to standards CE marked/ FDA approved or any other internationally recognized documents

7. Local back up service
7.1 Available Should be available locally

7.2 Capacity to service equipment Agent shall have adequate facilities, spare parts, consumables and qualified and skilled technical staff

8. Delivery point

8.1 KFH For inspection and testing

8.2 Nil

9. Installation and testing
Complete installation and set up of the machine at KFH as per manufacturer’s instructions

10. Training
10.1 User Training On site user training on operation and daily up keep

10.2 Maintenance training On site maintenance training on preventive maintenance
<table>
<thead>
<tr>
<th></th>
<th>Technical documentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>User manuals</td>
</tr>
<tr>
<td>11.1</td>
<td>Service Manual</td>
</tr>
<tr>
<td>11.2</td>
<td>Drawings</td>
</tr>
<tr>
<td>12</td>
<td>Commissioning</td>
</tr>
<tr>
<td>12.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
</tr>
<tr>
<td>13</td>
<td>Warranty</td>
</tr>
<tr>
<td>13.1</td>
<td>Equipment</td>
</tr>
<tr>
<td>13.2</td>
<td>Equipment System</td>
</tr>
</tbody>
</table>
1. General Description

Suction machine suitable for use in theatre, for both adult and pediatric use.

Should be constructed from coated non-corrosive, extreme heat resistance material and electrically insulated and mobile on antistatic castors φ 60 mm, 2 No. lockable, with high level push handle.

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit

3.1.1 High flow rate 40 litres per minute.
3.1.2 Suction vacuum Maximum 700mmHg
3.1.3 Suction pump Rotary aspiration- oil free
3.1.4 Jars 2 X 2 litre polycarbonate autoclavable and unbreakable complete with overflow devices and valves.
3.1.5 Vacuum gauge Graduated in mmHg and kPa.
3.1.6 Vacuum control Adjustable at the front panel
3.1.7 Switch Main on front panel and foot switch (water proof type)
3.1.8 Cable towage On back with reversible cleats
3.1.9 Anti bacterial filters Available preferable autoclavable
3.1.10 Suction tubing connection Antistatic neoprene or silicone
3.1.11 Safety Overflow pump protection
3.1.12 Handle High level push handle type
3.1.13 Movements Mobile on four antistatic castors φ 60 mm, 2 No. lockable.

4 Physical characteristics

4.1 Main unit Mobile on castors with push handle
4.2 Dimensions About 34 X 34 X30 cm

5 Operating environment

5.1 Power Requirements 240V, A/c 50 Hz, Single phase, 3 Pin Plug BS standard, 3m long cord with PE
5.2 Ambient temperature 10°C to 40°C
5.3 Relative humidity 40% to 90%

6 Accessories

6.1 Sterilizable, silicone tubing 5 Set
6.2 Bacterial filters 1 Box
6.3 Foot switch 1 No.
6.4 Cannula with handle for general purpose 4 Sets

7 Spare parts

Bacterial filters 2 Sets

8 Quality standards
<table>
<thead>
<tr>
<th>9.2</th>
<th>Manufacturing standards</th>
<th>EN 10079-1, IEC 60601-1, ISO 9001 or any other internationally recognized standards</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Conformity to standards</td>
<td>CE marked or any other internationally recognized documents</td>
</tr>
<tr>
<td>10</td>
<td>Local back up service</td>
<td></td>
</tr>
<tr>
<td>10.1</td>
<td>Available</td>
<td>Should be available locally</td>
</tr>
<tr>
<td>10.2</td>
<td>Capacity to service equipment</td>
<td>Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff</td>
</tr>
<tr>
<td>11</td>
<td>Delivery point</td>
<td></td>
</tr>
<tr>
<td>11.1</td>
<td>KFH</td>
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</tr>
<tr>
<td>11.2</td>
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<td>12</td>
<td>Pre installation requirements</td>
<td>Complete installation and set up of the machine as per manufacturer’s instructions</td>
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<tr>
<td>13</td>
<td>Installation and testing</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Training</td>
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</tr>
<tr>
<td>14.1</td>
<td>User Training</td>
<td>On site user training on operation and daily up keep</td>
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<td>14.2</td>
<td>Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
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<td>Technical documentations</td>
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<tr>
<td>15.1</td>
<td>User manuals</td>
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<td>Service Manual</td>
<td>1 Set</td>
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<td>16</td>
<td>Commissioning</td>
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<td>16.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Warranty</td>
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<td>17.1</td>
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<td>17.2</td>
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<td>A&amp;E</td>
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</tr>
<tr>
<td>------------</td>
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<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-35</th>
<th>Item Description</th>
</tr>
</thead>
</table>

1. **General Description**

   Laryngoscope with blade for adult

2. **Composition**

   2.1 Main unit
   - Handle with battery
   - Blade
   - Casing

3. **Performance Specifications**

   3.1 Main Unit
   - 3.1.1 Material: All stainless steel
   - 3.1.2 Handle with battery: Stainless steel
   - 3.1.3 Blade: Mackintosh type, adult
   - 3.1.4 Blade size: 3 Sizes: 100mm, 130mm, 155mm
   - 3.1.5 Power requirements: Dry cell battery, to be provided
   - 3.1.6 Casing: Provided

4. **Spare**

   4.1 Spare bulb: 2 pcs

5. **Quality standards**

   5.1 Manufacturing standards: ISO 9001 or any other internationally recognized standards
   - 5.2 Conformity to standards: CE marked or any other internationally recognized documents

6. **Delivery point**

   6.1 KFH: For inspection and testing
   - 6.2 Nil

7. **Warranty**

   7.1 Equipment: Minimum of one year after commissioning on all parts.
   - 7.2 Equipment System: Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>ICU</th>
<th>Room Name/No.</th>
<th>Item Code No.</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT</td>
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<td>KFHL-36</td>
<td>Magill forceps Adult</td>
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</tbody>
</table>

### 1. General Description

Magill forceps, adult, stainless steel

### 2. Quality standards

<table>
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<th>No.</th>
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### 3. Delivery point

<table>
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<td>KFHL-37</td>
<td>Magill forceps ,Peadiatric</td>
</tr>
</tbody>
</table>

### 1. General Description

Magill forceps, Peadiatric, stainless steel

### 2. Quality standards

<table>
<thead>
<tr>
<th>No.</th>
<th>Manufacturing standards</th>
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### 3. Delivery point

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<td>A&amp;E</td>
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<td>-----</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-38</td>
</tr>
</tbody>
</table>

**General Description**

Sphygmomanometer, Digital, with electric pump, cuff and digital display. Internal battery operated, and complete in leather case.

**Accessories:**

i) Velco cuff with Latex bag  
ii) Electrical pump  
iii) Digital display in mm Hg  
iv) Measurement range: 0 to 300mm Hg  
v) Dry cell, preferable AA size
<table>
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<tr>
<th>Department</th>
<th>A&amp;E</th>
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</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-39</td>
<td>Item Description</td>
<td>Nebulizer</td>
</tr>
</tbody>
</table>

1. General Description

Nebulizer, mounted on a mobile cart

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit

3.1.1 Type

3.1.2 Nebulizing rate

3.1.3 Mist particle

3.1.4 Timer

3.1.5 Mist feed hose, adult

3.1.6 Mist feed hose, Pead

3.1.7 Inhalation mask, adult

3.1.8 Inhalation mask, pead

3.1.9 Mouth piece

3.1.10 Diaphragm

3.1.11 Water supply bottle (1L)

4. Physical characteristics

4.1 Main unit

4.2 Dimensions

5. Operating environment

5.1 Power Requirements

5.2 Ambient temperature

5.3 Relative humidity

6. Accessories

6.1 Automatic Voltage Regulator (AVR)

6.1.1 Capacity

6.1.2 Input

6.1.3 Output

7. Spare part

7.1 Air filter

8. Quality standards

8.1 Manufacturing standards

8.2 Conformity to standards

9. Local back up service

9.1 Available
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<td>9.2</td>
<td>Capacity to service equipment</td>
<td>Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff</td>
</tr>
<tr>
<td>10</td>
<td>Delivery point</td>
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<tr>
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<tr>
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<td>Pre installation requirements</td>
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<tr>
<td>12.1</td>
<td>Complete installation and set up of the machine at Otaya DH as per manufacturer’s instructions</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Training</td>
<td></td>
</tr>
<tr>
<td>13.1</td>
<td>User Training</td>
<td>On site user training on operation and daily up keep</td>
</tr>
<tr>
<td>13.2</td>
<td>Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
</tr>
<tr>
<td>14</td>
<td>Technical documentations</td>
<td></td>
</tr>
<tr>
<td>14.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>14.2</td>
<td>Service Manual</td>
<td>1 Set</td>
</tr>
<tr>
<td>14.3</td>
<td>Drawings</td>
<td>Nil</td>
</tr>
<tr>
<td>15</td>
<td>Commissioning</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>16.1</td>
<td>Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td>16.2</td>
<td>Equipment System</td>
<td>Nil</td>
</tr>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
</tr>
<tr>
<td>------------</td>
<td>-----</td>
<td>---------------</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-40</td>
<td>Item Description</td>
</tr>
</tbody>
</table>

1. General Description

Glucometer

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit

3.1.1 Type

3.1.2 Measurement Time

3.1.3 Measurement range

3.1.4 Hematocrit range

3.1.5 Blood sample

3.1.6 Power

3.1.7 Display

4. Physical characteristics

4.1 Main unit

Robust construction and easy to clean

5. Operating environment

5.1 Power Requirements

5.2 Internal batteries

5.3 Ambient temperature

5.4 Relative humidity

6. Accessories

6.1 Nil

7. Spare parts

7.1 Nil

8. Consumables/Reagents

8.1 Nil

9. Quality standards

9.2 Manufacturing standards

9.3 Conformity to standards

10. Delivery point

10.1 KFH

For inspection

11. Warranty

11.1 Equipment

Minimum of one year after commissioning on all parts.

11.2 Equipment System

Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-41</th>
<th>Item Description</th>
<th>ECG Monitor, 12 Leads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description
ECG Monitor suitable for use in operating theaters. Should be capable of continuous measuring/monitoring of the following parameters in adults, neonatal and pediatric.
- SpO₂
- ECG
- Respiration

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 Main Unit
3.1.1 The unit should be a model or type on current production capable of measuring/monitoring the following parameters
3.1.2 ECG
- Lead select 12 lead, standard configuration
- Sweep speed 25 mm/s
- Trend Graph 24 hours
- Frequency response 0.05 to 150 Hz
- ECG Analysis Arrhythmia analysis, ST measurements
- Alarms Visible and audio alarm, upper and lower alarm
3.1.3 Heart rate
- Measuring range 12-300 bpm ± 1%
3.1.4 SpO₂, with reusable sensor
- 0 – 100% ± 3%
3.1.5 Respiration
- 0 to 150 breaths/min ± 2 breaths/ min
3.2 Display
- 10.4 to 12.1 inches color TFT colour LCD, preferable touch screen type
3.2.1 Resolution about 800X 600
3.2.2 6 to 8 waveforms mode with large font
3.4 Recorder
- Inbuilt, thermal array or equivalent
3.4.1 Two speed, selectable
3.4.2 Port for external printer
3.5 Networking
- Port for networking with Ethernet or equivalent Or Serial Port RS 232
3.6 Input
- In built with provision for connection of external Keyboard.
3.7 Storage
- Capable of storing patient data and transferring to a PC for viewing or printing.
4 Safety requirements
4.1 Audio and visual alarm
- For all parameter.
4.2 Alarm setting limits
- Adjustable by user
4.3 Low battery indicator
- Audio and visual alarm

5 Physical characteristics
5.1 Main unit
<table>
<thead>
<tr>
<th>5.2</th>
<th>Dimensions</th>
<th>Approx 350mm (W) X 300mm (H) 150mm (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.3</td>
<td>Cart</td>
<td>Mobile stand with castors. Should be capable of rotating.</td>
</tr>
<tr>
<td>5.4</td>
<td>Design</td>
<td>Modular design to enable upgrades/extensions</td>
</tr>
<tr>
<td>6</td>
<td>Operating environment</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>Power Requirements</td>
<td>240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord BS type with PE</td>
</tr>
<tr>
<td>6.2</td>
<td>Internal rechargeable battery</td>
<td>Maintenance free type, Up to 8 hours operating time</td>
</tr>
<tr>
<td>6.3</td>
<td>Ambient temperature</td>
<td>10°C to 40°C</td>
</tr>
<tr>
<td>6.4</td>
<td>Relative humidity</td>
<td>40% to 90%</td>
</tr>
<tr>
<td>7</td>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>7.1</td>
<td>ECG connection lead reusable</td>
<td>2 Set</td>
</tr>
<tr>
<td>7.2</td>
<td>SpO₂ connection cable and sensor (finger probe), reusable</td>
<td>2 Sets</td>
</tr>
<tr>
<td>7.3</td>
<td>Recording paper</td>
<td>20 Boxes</td>
</tr>
<tr>
<td>7.4</td>
<td>Thermal head cleaner pen</td>
<td>1 No.</td>
</tr>
<tr>
<td>7.5</td>
<td>Grounding lead</td>
<td>1 No.</td>
</tr>
<tr>
<td>7.6</td>
<td>Automatic Voltage Regulator (AVR)</td>
<td>1 Unit</td>
</tr>
<tr>
<td>7.6.1</td>
<td>Capacity</td>
<td>Over VA of the main Unit</td>
</tr>
<tr>
<td>7.6.2</td>
<td>Input</td>
<td>Ac 240V, 50Hz, Single phase ± 15%</td>
</tr>
<tr>
<td>7.6.3</td>
<td>Output</td>
<td>Ac 240V, 50Hz, Single Phase ± 2.5%</td>
</tr>
<tr>
<td>8</td>
<td>Consumable</td>
<td></td>
</tr>
<tr>
<td>8.1</td>
<td>Manufacturers’ recommended consumable for start up (SpO₂, Respiration and ECG pick up electrodes)</td>
<td>100pcs</td>
</tr>
<tr>
<td>8.1</td>
<td>Fuses</td>
<td>1 Set</td>
</tr>
<tr>
<td>8.2</td>
<td>Battery pack</td>
<td>1 Set</td>
</tr>
<tr>
<td>9</td>
<td>Quality standards</td>
<td></td>
</tr>
<tr>
<td>9.1</td>
<td>Manufacturing standards</td>
<td>IEC 60601-1, ISO 9001 or any other internationally recognized standards</td>
</tr>
<tr>
<td>9.2</td>
<td>Conformity to standards</td>
<td>CE marked/ FDA approved or any other internationally recognized documents</td>
</tr>
<tr>
<td>10</td>
<td>Local back up service</td>
<td></td>
</tr>
<tr>
<td>10.1</td>
<td>Available</td>
<td>Should be available locally</td>
</tr>
<tr>
<td>10.2</td>
<td>Capacity to service equipment</td>
<td>Agent shall have adequate facilities, spare parts, consumables and qualified and skilled technical staff</td>
</tr>
<tr>
<td>11</td>
<td>Delivery point</td>
<td></td>
</tr>
<tr>
<td>11.1</td>
<td>KFH</td>
<td>For inspection and testing</td>
</tr>
<tr>
<td>11.2</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item</td>
<td>Details</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>Pre installation requirements</td>
<td>Nil</td>
</tr>
<tr>
<td>13</td>
<td>Installation and testing</td>
<td>Complete installation and set up of the machine at designated sites as per manufacturer’s instructions</td>
</tr>
<tr>
<td>14</td>
<td>Training</td>
<td><strong>14.1 User Training</strong> On site user training on operation and daily up keep</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>14.2 Maintenance training</strong> Factory training of two Medical Engineering Technologists on preventive maintenance, trouble shooting and repairs</td>
</tr>
<tr>
<td>15</td>
<td>Technical documentations</td>
<td><strong>15.1 User manuals</strong> 2 Sets</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>15.2 Service Manual</strong> 2 Set</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>15.3 Drawings</strong> Nil</td>
</tr>
<tr>
<td>16</td>
<td>Commissioning</td>
<td><strong>16.1 Testing and commissioning of the machine to the satisfaction of the user.</strong></td>
</tr>
<tr>
<td>17</td>
<td>Warranty</td>
<td><strong>17.1 Equipment</strong> Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>17.2 Equipment System</strong> Nil</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>Item Description</td>
<td>Stretcher, patient</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>N/A</td>
</tr>
<tr>
<td>Room Name/No.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. General Description

Patient Stretcher with adjustable sides, constructed from chrome plated mild steel and mobile on castors

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material of main unit: Tubular mild steel, chrome plated

3.1.2 Movements: Back rest, trendelenburg/reverse trendelenburg, up and down

3.1.3 Operation: By hydraulic mechanical system

3.1.4 Side guard rails: Foldable or drop down type

3.1.5 Mattress: High density, water proof and fire resistance

3.1.6 Mobile: On four antistatic castors diameter 150mm with brakes and central locking system

3.1.7 IV pole: Provided

3.1.8 Dimensions (Overall): 2050 mm (L) X 780 mm (W) X 620 - 900mm (H)

3.1.9 Weight to handle: 180 kg

4 Quality Standards

4.1 Manufacturing standards: ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards: CE marked or any other internationally recognized documents

5 Delivery point

5.1 KFH Delivery point

6 Warranty

6.1 Equipment: Minimum of one year after delivery

6.2 Equipment System: Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-43</th>
<th>Item Description</th>
<th>Patient Trolley</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Standard Hospital patient trolley with side rails complete with mattress. Constructed from chrome plated mild steel.

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material of main unit | Tubular mild steel, chrome plated

3.1.2 Base | Fixed base top, Chrome plated mild steel

3.1.3 Side rails | Provided, Chrome plated, can be collapsed

3.1.4 Mobile | On four castors diameter 100mm with brakes

3.1.5 Mattress | High density form mattress with removable leather imitation material or Vitaprf cover (Water proof type)

3.1.6 IV Pole | Provided

3.1.7 Dimensions (Overall) | 1950 mm(L) X 850mm (W) X 700mm (H)

3.1.8 Weight to handle | 180 kg

4 Quality Standards

4.1 Manufacturing standards | ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards | CE marked or any other internationally recognized documents

5 Delivery point

5.1 KFH | Delivery point

6 Warranty

6.1 Equipment | Minimum of one year after delivery

6.2 Equipment System | Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-44</th>
<th>Item Description</th>
<th>Linen trolley</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Standard Linen trolley

- **Packaging parameters:**
  - Individually packed in a box
  - Standard weight of carton 15-30kg during the final delivery to hospital
  - Each carton to be clearly marked with the name and characteristics of the article and number of units per carton.

- **Labeling parameters:**
  - Labeling should be in English.
  - Product should be labeled with: Manufacturer's Name and address, Country of Origin, Batch No, Date of Manufacture.
  - Should conform to KEBS / ISO standard or equivalent.
  - **Submission of sample:**
    Submit a brochure for evaluation

2. Composition

2.1 Main Kit

<table>
<thead>
<tr>
<th>Description of instrument</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Product parameters:**
  - Features single bag holder together with three aluminium shelves (lift out for easy cleaning).
  - Mounted on free running, non marking rubber tyred castors for ease of movement. Supplied complete with one linen bag; extras available on request. Dimensions: 1040mm (H) x 510mm (W) x 1130 (L)
  - Single bag holder together with three aluminium shelves (lift out for easy cleaning).
  - Mounted on free running, non marking rubber tyred castors for ease of movement. Supplied complete with one linen bag of superior quality canvas bag.
  - Dimensions: 1040mm (H) x 510mm (W) x 1130 (L)
  - Approximate size: 495 mm diameter
- Strong frame work made of crc tube mounted on 6.5 cm castor.

**Packaging parameters:**
- Individually packed in a box
- Standard weight of carton 15-30kg during the final delivery to hospital
- Each carton to be clearly marked with the name and characteristics of the article and number of units per carton.

**Labeling parameters:**
- Labeling should be in English.
- Product should be labeled with: Manufacturer's Name and address, Country of Origin, Batch No, Date of Manufacture.
- Should conform to KEBS / ISO standard or equivalent.
- Manufacturer must be KEBS / ISO certified or equivalent.

**Submission of sample:**
SUBMIT A BROCHURE FOR EVALUATION

<table>
<thead>
<tr>
<th>4</th>
<th>Quality standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Manufacturing standards</td>
</tr>
<tr>
<td>4.2</td>
<td>Conformity to standards</td>
</tr>
<tr>
<td>5</td>
<td>Delivery point</td>
</tr>
<tr>
<td></td>
<td>KFH</td>
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<tr>
<td>Item Code No.</td>
<td>KFHL-45</td>
</tr>
<tr>
<td>---------------</td>
<td>---------</td>
</tr>
</tbody>
</table>

1. General Description
Defibrillator suitable for cardiac care complete with ECG monitoring, SPO\textsubscript{2} monitoring and NIBP

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit
3.1.1 Design
Compact design, portable and rugged
3.1.2 Type
Manual and Automatic External defibrillation (AED) modes
3.1.3 Technology
Biphasic waveform
3.1.4 Maximum Energy Level
200J
3.1.5 Charging time
Less than 5 Seconds to Maximum energy level
3.1.6 Defibrillator paddle
- Adult, reusable: 1 Unit,
- Pediatric, reusable: 1 Unit

3.2 ECG monitoring
3.2.1 Lead
12 lead configuration
3.2.2 Heart Rate
15 to 300 bpm accuracy ± 10%
3.2.2 ECG cable
1 No.

3.3 SPO\textsubscript{2}
3.3.1 Measurement range
0 to 100%
- Accuracy: ± 1%
- Heart Rate: 15 to 300 bpm accuracy ± 5%

SPO\textsubscript{2} Sensors
- Adult: 2 No. Reusable
- Pediatric: 2 No. Reusable
- Neonatal: 2 No. Reusable

3.4 Display
TFT colour LCD screen 5.5” or more
3.4.1 Resolution
320 x 240 pixels
3.5 Alarm function
Audible and Visual
3.5.1 Safety
Self check: audible and visual alarm
3.5.2 Lead fault
Audible and visual alarm
3.5.3 Paddle fault
Audible and visual alarm
3.5.4 ECG cable fault
Audible and visual alarm
3.5.5 Heart rate alarms
Audible and visual alarm
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.6</td>
<td>Recorder</td>
<td>Inbuilt</td>
</tr>
<tr>
<td>3.6.1</td>
<td>Paper Speed</td>
<td>25mm/sec approximately</td>
</tr>
<tr>
<td>3.7</td>
<td>Storage</td>
<td>SD memory card</td>
</tr>
<tr>
<td>4</td>
<td>Physical characteristics</td>
<td></td>
</tr>
<tr>
<td>4.1</td>
<td>Main unit</td>
<td>Portable</td>
</tr>
<tr>
<td>4.2</td>
<td>Dimensions</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Operating environment</td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>Power Requirements</td>
<td>240V, A/c 50 Hz, Single phase, 3 Pin Plug (BS), 3m long cord with PE</td>
</tr>
<tr>
<td>5.2</td>
<td>Back up supply</td>
<td>Internal rechargeable batteries (SLA), to last at least five hours</td>
</tr>
<tr>
<td>5.3</td>
<td>Ambient temperature</td>
<td>10°C to 40°C</td>
</tr>
<tr>
<td>5.4</td>
<td>Relative humidity</td>
<td>40% to 90%</td>
</tr>
<tr>
<td>6</td>
<td>Spare parts/Consumables</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>ECG electrode</td>
<td>1 Unit</td>
</tr>
<tr>
<td>6.2</td>
<td>Gel</td>
<td>3 boxes</td>
</tr>
<tr>
<td>6.3</td>
<td>Recording paper</td>
<td>10 Rolls</td>
</tr>
<tr>
<td>7</td>
<td>Quality standards</td>
<td></td>
</tr>
<tr>
<td>7.1</td>
<td>Manufacturing standards</td>
<td>IEC 60601-1, ISO 9001 or any other internationally recognized standards</td>
</tr>
<tr>
<td>7.2</td>
<td>Conformity to standards</td>
<td>CE marked or any other internationally recognized documents</td>
</tr>
<tr>
<td>8</td>
<td>Local back up service</td>
<td></td>
</tr>
<tr>
<td>8.1</td>
<td>Available</td>
<td>Should be available locally</td>
</tr>
<tr>
<td>8.2</td>
<td>Capacity to service equipment</td>
<td>Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff</td>
</tr>
<tr>
<td>9</td>
<td>Delivery point</td>
<td></td>
</tr>
<tr>
<td>9.1</td>
<td>KFH</td>
<td>For inspection and testing</td>
</tr>
<tr>
<td>9.2</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Pre installation requirements</td>
<td>Nil</td>
</tr>
<tr>
<td>11</td>
<td>Installation and testing</td>
<td>Complete installation and set up of the machine at designated sites as per manufacturer’s instructions</td>
</tr>
<tr>
<td>12</td>
<td>Training</td>
<td></td>
</tr>
<tr>
<td>12.1</td>
<td>User Training</td>
<td>On site user training on operation and daily up keep</td>
</tr>
<tr>
<td>12.2</td>
<td>Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
</tr>
<tr>
<td>13</td>
<td>Technical documentations</td>
<td></td>
</tr>
<tr>
<td>13.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>13.2</td>
<td>Service Manual</td>
<td>2 Set</td>
</tr>
<tr>
<td>13.3</td>
<td>Drawings</td>
<td>Nil</td>
</tr>
<tr>
<td>14</td>
<td>Commissioning</td>
<td></td>
</tr>
<tr>
<td>14.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td>Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td>15.2</td>
<td>Equipment System</td>
<td>Nil</td>
</tr>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
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<tr>
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</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-46</td>
<td>Item Description</td>
</tr>
</tbody>
</table>

1. General Description

Food trolley constructed from rigid stainless steel, with four antistatic castors φ 100 mm swivel, with 3 stainless steel shelves

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Main frame material All stainless steel, tubular frame

3.1.2 Type 3 stainless steel shelves with spill guard

3.1.3 Dimensions 750 L X 450 W X 850 H (mm) Adjustable, mechanical

3.1.7 Mobile With 4 Antistatic 100mm swivel, with brakes

4 Quality Standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 KFH Delivery point

6 Warranty

6.1 Equipment Minimum of one year after delivery

6.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>A&amp;E</th>
<th>Room Name/No.</th>
<th>N/A</th>
</tr>
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<tr>
<td>Item Code No.</td>
<td>KFHL-47</td>
<td>Item Description</td>
<td>Medicine trolley</td>
</tr>
</tbody>
</table>

1. General Description

Medicine trolley constructed from rigid stainless steel, with antistatic castors \( \phi \) 100 mm swivel, with 2 stainless steel shelves, with drawers and guard rail on all sides

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material of main unit
All stainless steel, tubular frame

3.1.2 Type
2 stainless steel shelves- Top and bottom

3.1.3 Top shelf
With guardrails and two drawers

3.1.4 Bottom shelf
Provided, with guardrails on all sides

3.1.6 Dimensions
600 L X 450 W X 850 H (mm) Adjustable, mechanical

3.1.7 Mobile
With 4 Antistatic 100mm swivel, with brakes

4 Quality Standards

4.1 Manufacturing standards
ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards
CE marked or any other internationally recognized documents

5 Delivery point

5.1 See schedule
Delivery point

6 Warranty

6.1 Equipment
Minimum of one year after delivery

6.2 Equipment System
Nil
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Code</th>
<th>Item Description</th>
<th>Bed Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>KFHL-48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description
   Bed screen with four folds, with plastic curtain flame resistance, coated tubular metal frame, with castors φ60 mm

2. Composition
   2.1 Main unit

3. Performance Specifications
   3.1 Main Unit
   3.1.1 Frame: tubular type constructed from mild steel epoxy coated
          Folds: Four folds
          Curtain: plastic curtain flame resistance, green in colour
          Mobile on castors φ60 mm

          Size
          Overall length when open: 245mm L X 165 cm height (open)

4. Delivery point
   4.1 See schedule For inspection, testing and commissioning
   4.2 Nil

5. Warranty
   5.1 Equipment Minimum of one year after commissioning on all parts.
   5.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>A&amp;E</th>
<th>Room Name/No.</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-49</td>
<td>Item Description</td>
<td>Video Laryngoscope</td>
</tr>
</tbody>
</table>

1. General Description
High quality Video laryngoscope, hand held type with internal batter pack

2. Composition

2.1 Main unit 1 No.
2.2 Assorted blades 1 No.

3. Detailed Specifications

3.1 Main unit Video Type, hand held type
3.1.1 Display About 2.5” LCD high resolution
3.1.2 Light source LED
3.1.3 Battery back Rechargeable; to last about 5 hours continuous operation
3.1.4 Dimensions Approximately 180 mm X 70 mm X 120mm
3.1.5 Blades Four sizes for adult and pediatric use. 50 pieces per size, disposable type
3.1.6 spares Spare battery pack- 1 No.

4. Power Requirements

4.1 Voltage Recharging voltage 240V a.c, 50Hz and supplied with 3 Pin top plug to BS standards, 3m long cord with PE

7. Quality standards

7.1 Manufacturing standards IEC 60601-1, ISO 9001 or any other internationally recognized standards
7.2 Conformity to standards CE marked or any other internationally recognized documents

9. Delivery point

9.1 KFH For inspection and testing
9.2 Nil

10. Pre installation requirements
10.1 Nil

11. Installation and testing
11.1 Complete installation and set up of the machine as per manufacturer’s instructions

12. Training

12.1 User Training On site training of two doctors operation and daily up keep
12.2 Maintenance training On site training of two Medical engineering Technologists on preventive maintenance

13. Technical documentations

13.1 User manuals 2 Sets
13.2 Service Manual 2 Set
13.3 Drawings Nil
<table>
<thead>
<tr>
<th></th>
<th>Commissioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
</tr>
<tr>
<td>15</td>
<td>Warranty</td>
</tr>
<tr>
<td>15.1</td>
<td>Equipment</td>
</tr>
<tr>
<td>15.2</td>
<td>Equipment System</td>
</tr>
<tr>
<td>Department</td>
<td>A&amp;E</td>
</tr>
<tr>
<td>------------</td>
<td>-----</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL- 50</td>
</tr>
</tbody>
</table>

1. General Description
Laryngoscope with blade for peads

2. Composition

<table>
<thead>
<tr>
<th>Main unit</th>
<th>Handle with battery</th>
<th>Blade</th>
<th>Casing</th>
</tr>
</thead>
</table>

3. Performance Specifications

<table>
<thead>
<tr>
<th>Main Unit</th>
<th>Material</th>
<th>Handle with battery</th>
<th>Stainless steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade</td>
<td>Mackintosh type, Peads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blade size</td>
<td>3 Sizes:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td>Dry cell battery, to be provided</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>Provided</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. Spare

<table>
<thead>
<tr>
<th>Spare bulb</th>
<th>2 pcs</th>
</tr>
</thead>
</table>

5. Quality standards

<table>
<thead>
<tr>
<th>Manufacturing standards</th>
<th>ISO 9001 or any other internationally recognized standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformity to standards</td>
<td>CE marked or any other internationally recognized documents</td>
</tr>
</tbody>
</table>

6. Delivery point

<table>
<thead>
<tr>
<th>KFH</th>
<th>For inspection and testing</th>
</tr>
</thead>
</table>

7. Warranty

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Minimum of one year after commissioning on all parts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment System</td>
<td>Nil</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-51</td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
</tr>
<tr>
<td>Department</td>
<td>A&amp;E</td>
</tr>
</tbody>
</table>

1. General Description
Oxygen concentrator capable of extracting medical grade oxygen from atmospheric air using PSA system. The unit should be mobile on castors and capable of supplying oxygen to two patients at a time. It should incorporate oxygen monitor facility complete with patient tubings,

2. Composition
2.1 Main Unit

3. Performance Specifications
3.1 Main Unit
3.1.1 Type
3.1.2 Purity
Medical grade oxygen at minimum 95%
Dry and Oil free Oxygen at rated flow rate
Purity to be constant and all flow rates
3.1.3 Flow rate
8lpm
3.1.4 Safety
Shutdown with power failure, high or low oxygen purity
3.1.5 Oxygen purity monitor
To be provided
3.1.6 Humidifier
To be provided
3.1.7 Patient tubing
To be provided

4. Physical characteristics
4.1 Main unit
Mobile on four castors, 2 with brakes.
Dimensions
800mm H X 50mcm W X 400mm D

5. Quality standards
5.1 Manufacturing standards
IEC 60601-1, ISO 9001 or any other internationally recognized standards
Conformity to standards
CE marked or any other internationally recognized documents

6. Local back up service
6.1 Available
Should be available locally
6.2 Capacity to service equipment
Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff

7. Delivery point
7.1 KEMSA
For inspection and testing

8. Installation and testing
Complete installation and set-up of the machine as per manufacturer’s instructions

9. Training
9.1 User Training
On site user training on operation and daily up keep
9.2 Maintenance training
On-site maintenance training on preventive maintenance

10. Technical documentations
10.1 User manuals
2 Sets
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2</td>
<td>Service Manual</td>
<td>1 Set</td>
</tr>
<tr>
<td>10.3</td>
<td>Drawings</td>
<td>Nil</td>
</tr>
<tr>
<td>11</td>
<td>Commissioning</td>
<td></td>
</tr>
<tr>
<td>11.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>12.1</td>
<td>Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td>12.2</td>
<td>Equipment System</td>
<td>Nil</td>
</tr>
</tbody>
</table>
1. General Description

Hospital bedside cabinet locker, with drawer, cabinet and hidden pull out tray. Construct from robust plastic (ABS) on four castors φ 30mm, lockable.

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Top Plastic robust (ABS)

3.1.2 Drawer 1 No.

3.1.3 Cabinet 1 No.

3.1.4 Tray 1 No. Pull out type

3.1.5 Towel Holder 2 No. provided on the sides

3.1.6 Castors 3” castors with brakes

3.1.7 Dimensions 480 (W) X 470 (L) X 750 (H) mm

4 Quality Standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment Minimum of one year after delivery

6.2 Equipment System Nil
LOT 3: OFFICE FURNITURE

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-53</th>
<th>Item Description</th>
<th>Filing Cabinet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Filling cabinet with lockable three drawers and central locking system

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material | Welded steel

3.1.2 Drawer | 3 No. With central locking system

3.1.3 Drawer capacity | 30 files per drawer

3.1.7 Dimensions | 620 (W) X 470 (L) X 1000 (H) mm

4 Quality Standards

4.1 Manufacturing standards | ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards | CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule | For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment | Minimum of one year after delivery

6.2 Equipment System | Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>L- Shaped reception table</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-54</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Room Name/No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A&amp;E</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Executive reception table, L - shaped with drawers

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material

3.1.2 Drawer

3.1.3 Overall Dimensions

4 Quality Standards

4.1 Manufacturing standards

4.2 Conformity to standards

5 Delivery point

5.1 See Schedule

6 Warranty

6.1 Equipment

6.2 Equipment System

ISO 9001 or any other internationally recognized standards

CE marked or any other internationally recognized documents

For inspection, installation testing and commissioning

Minimum of one year after delivery

Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Table- Office wooden</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-55</td>
<td>Office wooden</td>
<td></td>
</tr>
</tbody>
</table>

1. General Description

Office table, wooden type with 3 drawers

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material- main frame Solid hard wood

3.1.2 Table top Veneer finish or equivalent

3.1.3 Overall Dimensions 1600 (W) X 600 (D) X 750 (H) mm

4 Quality Standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment Minimum of one year after delivery

6.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-56</th>
<th>Item Description</th>
<th>Table- stainless steel cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Table with stainless steel cover

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material- main frame Coated mild steel

3.1.2 Table top Stainless steel cover

3.1.3 Overall Dimensions 1600 (W) X 600 (D) X 750 (H) mm

4 Quality Standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment Minimum of one year after delivery

6.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-57</th>
<th>Item Description</th>
<th>Office chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>A&amp;E</td>
<td>Room Name/No.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. General Description

Office chair, low back, non-swivel

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material- main frame Chrome plated metal frame

3.1.2 Upholstery Foam padded leather upholstery

3.1.3 Chair back Low back with upholstery

3.1.4 Arm rest Provide with upholstery

3.1.5 Seat height Adjustable

3.1.6 Overall Dimensions 23 (W) X 24 (D) X (34-38) (H) inches

4 Quality Standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment Minimum of one year after delivery

6.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Waiting bench for 3 people</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-58</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. General Description

Waiting bench for 3 people constructed from coated mild steel and padded with injected polyurethane material

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material- main frame

3.1.2 Capacity

3.1.3 Back rest

3.1.4 Dimensions

3.1.5 Seat and back

3.1.6 Metal plate padded with injected polyurethane

3.1.7 3 individual seats per waiting bench

3.1.8 Anatomical shape

3.1.9 470 mm (D) x 900mm (H) and seating height 430 mm

4 Quality Standards

4.1 Manufacturing standards

4.2 Conformity to standards

5 Delivery point

5.1 See Schedule

6 Warranty

6.1 Equipment

6.2 Equipment System

Minimum of one year after delivery

Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Cupboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-59</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. General Description

Office cupboard, 2 door with locking system

2. Composition

2.1 Main unit

3. Physical Specifications

3.1 Main Unit

3.1.1 Material
- Coated steel, corrosion resistance

3.1.2 Door
- 2 No. swing door with locking mechanism

3.1.7 Shelves
- Provided, 4 No.

3.1.7 Dimensions
- 400 (W) X 900 (L) X 1800 (H) mm

4 Quality Standards

4.1 Manufacturing standards
- ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards
- CE marked or any other internationally recognized documents

5 Delivery point

5.1 See Schedule
- For inspection, installation testing and commissioning

6 Warranty

6.1 Equipment
- Minimum of one year after delivery

6.2 Equipment System
- Nil
## LOT-4: EYE DEPARTMENT EQUIPMENT

<table>
<thead>
<tr>
<th>Department</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>EYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-61</td>
<td>Item Description</td>
<td>Direct Ophthalmoscope- Rechargeable</td>
</tr>
</tbody>
</table>

1. **General Description**

Direct Ophthalmoscope, rechargeable type, complete with case.

2. **Composition**

2.1 Main unit

3. **Performance Specifications**

3.1 Main unit

3.1.1 Ophthalmoscope 1 pc

3.1.2 Corrective power range -36D to +38D

3.1.3 Aperture At least 4 types

3.1.4 Light source LED long life

3.1.5 Brightness control Provided, continuous type

3.1.6 Handle 1 pc, durable

3.1.7 Power source Rechargeable battery type complete with table charger

3.1.8 Charging 240V, 50 Hz, Single phase, table top type, with 3 pin top plug and 2 m long cable

3.1.9 Case 1 pc to be provided

4. **Quality standards**

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5. **Delivery point**

5.2 KFH For inspection and testing
<table>
<thead>
<tr>
<th>Department</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>EYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-62</td>
<td>Item Description</td>
<td>Direct Ophthalmoscope (Dry cell type)</td>
</tr>
</tbody>
</table>

1. General Description

Direct Ophthalmoscope, dry cell type, complete with case.

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main unit

3.1.1 Ophthalmoscope 1 pc

3.1.2 Corrective power range -36D to +38D

3.1.3 Aperture At least 4 types

3.1.4 Brightness control Provided, continuous type

3.1.5 Light source Halogen bulb

3.1.6 Power source Replaceable dry cell battery

3.1.7 Handle for dry battery cell 1 pc

3.1.8 Case 1 pc

4 Consumable

4.1 Battery 2 Set

4.2 Spare bulbs 4 pcs

5 Quality standards

5.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

5.2 Conformity to standards CE marked or any other internationally recognized documents

5. Delivery point

5.2 KFH For inspection and testing
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Department</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-63</td>
<td>KFH</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**1. General Description**

**Indirect ophthalmoscope**

**2. Composition**

2.1 Main unit

**3. Physical Specifications**

3.1 Main Unit

3.1.1 Pupillary distance | 54 mm to 74 mm
3.1.2 Observable diameter of pupils | From 1mmØ
3.1.3 Illumination area | 19, 50, 80mmØ
3.1.4 Filter | In built: UV, Blue, Red-Free Filter
3.1.5 Bulb | Halogen, replaceable
3.1.6 Headband adjustment range | Provided
3.1.7 Power source | Rechargeable battery type complete with table charger
3.1.8 Charger | 240V, 50 Hz, Single phase, table top type, with 3 pin top plug and 3 m long cable

**4. Quality Standards**

4.1 Manufacturing standards | ISO 9001 or any other internationally recognized standards
4.2 Conformity to standards | CE marked or any other internationally recognized documents

**5. Delivery point**

5.1 KFH | Delivery point

**6. Warranty**

6.1 Equipment | Minimum of one year after delivery
6.2 Equipment System | Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>Item Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KFHL-64</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. 20 Diopter lens in a case 2 pcs
2. 90 Diopters lens in a case 1 pcs
3. 78 Diopters Lens in a case 1 pcs

3. Quality Standards
3.1 Manufacturing standards ISO 9001 or any other internationally recognized standards
3.2 Conformity to standards CE marked or any other internationally recognized documents

4. Delivery point
4.1 KFH Delivery point

<table>
<thead>
<tr>
<th>Department</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>Item Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KFHL-65</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. General Description
Pen light suitable for ophthalmology use. Complete with batteries and in a case

2. Composition
2.1 Main unit
2.2 Pen light touch with on/off switch 1 No.
2.3 Material Solid brass
2.4 Light source Halogen bulb
2.5 Batteries Dry cells Size AAA 2 No.
2.6 Case To be provided

3. Spare parts/Accessories
3.1 Bulbs 2 Sets
3.2 Batteries 2 Sets
4.1 Manufacturing standards IEC 60601-1, ISO 9001 or any other internationally recognized standards
4.2 Conformity to standards CE marked or any other internationally recognized documents

5. Delivery point
5.1 KFH For inspection and testing
5.2 Nil

6. Warranty
6.1 Equipment Minimum of one year after commissioning on all parts.
6.2 Equipment System Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-66</th>
<th>Item Description</th>
<th>Refraction Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>EYE</td>
<td>Category</td>
<td>Diagnostic and Examination</td>
</tr>
</tbody>
</table>

1. General Description
Refraction Box

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 Main Unit
3.1.1
- Trial lenses set, 232 lenses, with aluminium.
- With Jackson cross cylinder +/- 0.25.
- With Jackson cross cylinder +/- 0.5.
- Trial frame, adult.
- Trial frame, child.
- All in a brief case.

4. Quality standards
4.1 Manufacturing standards
IEC 60601-1, ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards
CE marked/ FDA approved or any other internationally recognized documents

5. Delivery point
5.1 KFH
For inspection, installation, testing and training

5.2 Nil

6. Warranty
6.2 Equipment
Minimum of one year after commissioning on all parts.

6.3 Equipment System
Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-67</th>
<th>Item Description</th>
<th>Room Name/No.</th>
<th>EYE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Retinoscope</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. General Description

Retinoscope

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main unit

3.1.1 Streak Retinoscope set 1 pc

3.1.2 Battery handle 1 pc

3.1.3 Spare bulb 5 pc

3.1.4 Dry cell batteries Provided

3.1.5 Carrying case Provided

4 Quality standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point

5.2 KFH For inspection and testing

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-68</th>
<th>Item Description</th>
<th>Room Name/No.</th>
<th>EYE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Chalazion set</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. General Description

Chalazion set. The instruments should be made from high grade stainless steel.

2. Composition

2.1 Main Kit

3 Description of instrument Quantity

3.1 Bard Parker Handle 1

3.2 Chalazion Clamp 1

3.3 Chalazion Scoops 1

3.4 Stainless steel container 1

4 Quality standards

4.1 Manufacturing standards ISO 9001 or any other internationally recognized standards

4.2 Conformity to standards CE marked or any other internationally recognized documents

5 Delivery point KFH
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-69</th>
<th>Item Description</th>
<th>Assorted instruments for ophthalmology use</th>
</tr>
</thead>
</table>

**Department**: Consultation  
**Room Name/No.**: EYE

1. **General Description**
   Assorted instruments for ophthalmology use. The instruments should be made from high grade stainless steel.

2. **Composition**

<table>
<thead>
<tr>
<th>Description of instrument</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evisceration Set (Evisceration Scoops/Spoons)</td>
<td>3 Sets</td>
</tr>
<tr>
<td>Eye Speculum – Wire</td>
<td>5 Pcs</td>
</tr>
<tr>
<td>Conjuctival Scissors</td>
<td>3pcs</td>
</tr>
<tr>
<td>Forceps – Toothed</td>
<td>3pcs</td>
</tr>
<tr>
<td>Forceps – Non Toothed</td>
<td>3pcs</td>
</tr>
<tr>
<td>Epilation Forceps</td>
<td>3pcs</td>
</tr>
<tr>
<td>Kidney Dishes 0.5l</td>
<td>3pcs</td>
</tr>
<tr>
<td>Gully pot, Small</td>
<td>3 pcs</td>
</tr>
<tr>
<td>Gully pot, Medium</td>
<td>5 pcs</td>
</tr>
<tr>
<td>Gully pot, Large</td>
<td>6 pcs</td>
</tr>
<tr>
<td>Needle Holder</td>
<td>3 Pcs</td>
</tr>
<tr>
<td>Suture Tiers</td>
<td>3pcs</td>
</tr>
<tr>
<td>Intraocular Scissors (Vannus)</td>
<td>2pcs</td>
</tr>
</tbody>
</table>

3. **Quality standards**

<table>
<thead>
<tr>
<th>Manufacturing standards</th>
<th>ISO 9001 or any other internationally recognized standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformity to standards</td>
<td>CE marked or any other internationally recognized documents</td>
</tr>
</tbody>
</table>

5. **Delivery point**: KFH
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-70</th>
<th>Item Description</th>
<th>Cataract Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>Consultation</td>
<td>Room Name/No.</td>
<td>EYE</td>
</tr>
</tbody>
</table>

1. General Description

Standard micro surgical sets for ECCE. The instruments should be made from high grade stainless steel.

2. Composition

| 2.1 Main Kit- one piece for each instrument |

| 3 Description of instrument | Quantity (one piece each) |

**Forceps**

- Forceps, for wet field electric cautery (Unipolar & Bipolar)
- Forceps, Superior rectus, *Landolts*
- Forceps, Fixation
- Forceps, Toothed *Moorfields*
- Forceps, Non-Toothed *Moorfields*
- Forceps, Mosquito, curved
- Forceps, Mosquito, straight
- Forceps, Corneal, 0.12mm Atraumatic Tips, Angled with Tying Platform
- Forceps, Corneal, 1x2 Teeth, 0.12mm, with 6mm Tying Platform
- Forceps, suture tying, cilia or *Birks*
- Forceps, Lens Introducing, Angle to Tip 8-12mm, Smooth Jaw *Kellman Mc Pherson*
- Forceps, Capsulorhexis, Angle to Tip 11mm, Sharp Tip to use as a Cystotome, *Utrata*

**Needle holders**

- Needleholder, Straight for 4/0, 5/0, 6/0 or 7/0 Suture
- Needleholder, Curved or Straight, overall length 10-11mm, Jaws 8mm, for 8/0 to 10/0 Suture
<table>
<thead>
<tr>
<th><strong>Blade and handles</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Troutman blade handle</td>
</tr>
<tr>
<td>Razor Fragments OR blade slit knife (disposable)</td>
</tr>
<tr>
<td>Blade, disposable keratomes</td>
</tr>
<tr>
<td>Blade, disposable Crescent (bevel up)</td>
</tr>
<tr>
<td>Super blade 15 Degree</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Scissors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Scissors, Conjunctival, Westcotts</td>
</tr>
<tr>
<td>Scissors, Corneal Section (Corneoscleral), 10mm blades</td>
</tr>
<tr>
<td>Scissors, Angled, 10mm, Extra thin Blades, Barraquers</td>
</tr>
<tr>
<td>Scissors, iridectomy, De-Wecker’s OR Vannas</td>
</tr>
<tr>
<td>Scissors, Capsulotomy, fine</td>
</tr>
<tr>
<td>Scissors, iris, sharp pointed</td>
</tr>
<tr>
<td>Ordinary Scissors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Cannulae</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannula, Rycroft 30 gauge</td>
</tr>
<tr>
<td>Cannula, Air Injection, 27G Angle to Tip 5mm</td>
</tr>
<tr>
<td>Cannula Visco-Elastic, 22G, Angle to Tip 10mm</td>
</tr>
<tr>
<td>Cannula, Simcoe, Irrigating / Aspirating, 23G, Angled, aspiration through top opening, 15mm</td>
</tr>
<tr>
<td>Cannula, Irrigating Vectis, Three Ports 23G</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Others</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Kuglen Iris Hook and Lens Manipulator</td>
</tr>
<tr>
<td>Sinskey hook straight or angled</td>
</tr>
<tr>
<td>Lens expressor</td>
</tr>
<tr>
<td>Iris Spatula or repositor <em>Nettleship</em></td>
</tr>
<tr>
<td>Vectis, Lens Loop or wire, <em>Snellen</em></td>
</tr>
</tbody>
</table>
Muscle Hook or squint hook *Graefe*
Cautery Ball or electric cautery
Calipers 1-20mm in 1mm Increments
Speculum, 12mm Blade (Adult and child)
Towel clip, cross action
Speculum, Barraquer’s, Weiss or wire speculum, adjustable

<table>
<thead>
<tr>
<th></th>
<th>Quality standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4.1</td>
<td>Manufacturing standards</td>
</tr>
<tr>
<td>4.2</td>
<td>Conformity to standards</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Delivery point</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>KFH</td>
</tr>
</tbody>
</table>
### General Description
High frequency electro surgical (diathermy) machine suitable for ophthalmic surgery use. The unit should be microprocessor based and capable of performing cutting, coagulation and blend functions at varying power output and complete with foot switch, electrodes and a cart (trolley).

### Composition

#### 2.1 Main unit

### Performance Specifications

#### 3.1 Main Unit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output power</td>
<td>Nominal high frequency output of about 300W adjustable up and down with touch button keys or convenient controls. With automatic output regulation against excess impedance (TUR)</td>
</tr>
<tr>
<td>Cutting:</td>
<td>Monopolar, bipolar and blend functions</td>
</tr>
<tr>
<td>Coagulation</td>
<td>Monopolar, bipolar, low forced and spray</td>
</tr>
<tr>
<td>Bipolar</td>
<td>Very low voltage</td>
</tr>
<tr>
<td>Wave form</td>
<td>Modulated pulse or Hemostatic or equivalent</td>
</tr>
<tr>
<td>Display</td>
<td>Digital Readout</td>
</tr>
<tr>
<td>Active patient electrode</td>
<td>Active patient electrode with standard electrode handle, with finger switch and connecting cable, reusable and autoclavable at 134°C</td>
</tr>
<tr>
<td>Patient plate</td>
<td>Patient (in different) plate, reusable rubber</td>
</tr>
<tr>
<td>Foot Switch</td>
<td>Two pedal foot switch for cut and coagulation water proof, explosion proof, cable length about 5 m.</td>
</tr>
</tbody>
</table>

### Physical characteristics

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main unit</td>
<td>Mounted on mobile cart</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Maximum 500 x 150 x 400 mm (WxHxD)</td>
</tr>
</tbody>
</table>

### Operating environment

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord with PE</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>10°C to 40°C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>40% to 90%</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Electrosurgical unit (Cautery unit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-71</td>
<td>Operating rooms</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Electrosurgical unit (Cautery unit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-71</td>
<td>Operating rooms</td>
<td></td>
</tr>
</tbody>
</table>

**Table:**

<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Item Description</th>
<th>Electrosurgical unit (Cautery unit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFHL-71</td>
<td>Operating rooms</td>
<td></td>
</tr>
<tr>
<td>ophthalmic surgery use.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Automatic Voltage Regulator (AVR)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2.1 Capacity</td>
<td>Over VA of the main Unit</td>
<td></td>
</tr>
<tr>
<td>6.2.2 Input</td>
<td>Ac 240V, 50Hz, Single phase ± 15%</td>
<td></td>
</tr>
<tr>
<td>6.2.3 Output</td>
<td>Ac 240V, 50Hz, Single Phase ± 2.5 %</td>
<td></td>
</tr>
<tr>
<td>7 Quality standards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.1 Manufacturing standards</td>
<td>ISO 13485 or any other recognised International Standards,</td>
<td></td>
</tr>
<tr>
<td>7.2 Product conformity standards</td>
<td>EU-93/42/EEC, IEC 60601-1, EN 740, FDA approved or any other internationally recognized, equivalent and approval standards</td>
<td></td>
</tr>
<tr>
<td>8 Delivery point</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.1 See attached schedule</td>
<td>For Delivery, inspection and testing</td>
<td></td>
</tr>
<tr>
<td>9 Installation and testing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.1 Complete installation and set up of the machine at the delivery sites as per manufacturer’s instructions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Training</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.1 User Training</td>
<td>On site user training on operation and daily up keep</td>
<td></td>
</tr>
<tr>
<td>10.2 Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
<td></td>
</tr>
<tr>
<td>11 Technical documentations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.1 User manuals</td>
<td>2 Sets</td>
<td></td>
</tr>
<tr>
<td>11.2 Service Manual</td>
<td>2 Set</td>
<td></td>
</tr>
<tr>
<td>11.3 Drawings</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>12 Commissioning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.1 Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 Warranty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.1 Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
<td></td>
</tr>
<tr>
<td>13.2 Equipment System</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>14 Maintenance contract</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.1 Capacity to provide maintenance and repair service</td>
<td>Vendor/manufacturer shall have adequate facilities, spare parts, qualified and skilled technical staff to offer comprehensive maintenance contract for at least 10 years</td>
<td></td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-72</td>
<td>Item Description</td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Department</td>
<td>Consultation</td>
<td>Room Name/No.</td>
</tr>
</tbody>
</table>

1. General Description
Surgical knives for eye surgery. The instruments should be made from high grade stainless steel.

2. Composition

<table>
<thead>
<tr>
<th>2.1 Main Kit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Description of instrument</td>
<td>Quantity</td>
</tr>
<tr>
<td>3.1 Keratomes (Angled, 2.8-3mm, Dual Bevel Or Bevel Up)</td>
<td>100 pcs</td>
</tr>
<tr>
<td>3.2 Paracentecis Knife(standard 15°)</td>
<td>100 pcs</td>
</tr>
<tr>
<td>3.3 Crescent (Angled, 2.3mm, dual bevel)</td>
<td>100 pcs</td>
</tr>
<tr>
<td>3.4 Surgical Blade (number 15)</td>
<td>100 pcs</td>
</tr>
</tbody>
</table>

4. Quality standards

| 4.1 Manufacturing standards | ISO 9001 or any other internationally recognized standards |
| 4.2 Conformity to standards | CE marked or any other internationally recognized documents |

5. Delivery point | KFH |
<table>
<thead>
<tr>
<th>Department</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-73</td>
<td>Item Description</td>
<td>Ophthalmology operating microscope</td>
</tr>
</tbody>
</table>

1. General Description

Ophthalmology operating microscope, with stand type

2. Composition

2.1 Main unit
   - Cart
   - AVR

3. Performance Specifications

3.1 Main unit
   3.1.1 Type
   - Stand type for ophthalmology
   3.1.2 Eye piece
   - 12.5 x
   3.1.3 Objective lens
   - f = 175 mm
   3.1.4 Total magnification
   - 4.0-25x
   3.1.5 Actual field of view
   - 8-56mm
   3.1.6 Light source
   - Halogen lamp, 150 w or LED
   3.1.7 Illumination field
   - 45 mm
   3.1.8 Brightness
   - 80,000 lux
   3.1.9 Filter
   - Built-in: Heat absorbing and 2 kinds filter
   3.1.10 Range of vertical fine control of microscope
   - Adjustable, motorized
   3.1.11 Foot switch
   - To be provided
   3.1.12 Mobile
   - On for castors with brakes

4 Operating environment

4.1 Power Requirements
   - 240V, A/c 50 Hz, Single phase, with PE
4.2 Ambient temperature
   - 10°C to 40°C
4.3 Relative humidity
   - 40% to 90%

5 Accessories

5.1 Automatic Voltage Regulator (AVR)
   5.1.1 Capacity
   - Over VA of the main Unit
   5.1.2 Input
   - Ac 240V, 50Hz, Single phase ± 15%
   5.1.3 Output
   - Ac 240V, 50Hz, Single Phase ± 2.5%

6 Spare parts

6.1 Spare bulbs
   - 5 units

7 Quality standards

7.1 Manufacturing standards
   - IEC 60601-1, ISO 9001 or any other internationally recognized standards
7.2 Conformity to standards
   - CE marked or any other internationally recognized documents

8 Local back up service

8.1 Available
   - Should be available locally
<table>
<thead>
<tr>
<th>8.2</th>
<th>Capacity to service equipment</th>
<th>Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Delivery point</td>
<td></td>
</tr>
<tr>
<td>9.1</td>
<td>KFH</td>
<td>For inspection and testing</td>
</tr>
<tr>
<td>10</td>
<td>Installation and testing</td>
<td>Complete installation and set up of the machine as per manufacturer’s instructions</td>
</tr>
<tr>
<td>11</td>
<td>Training</td>
<td></td>
</tr>
<tr>
<td>11.1</td>
<td>User Training</td>
<td>On site user training on operation and daily up keep</td>
</tr>
<tr>
<td>11.2</td>
<td>Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
</tr>
<tr>
<td>12</td>
<td>Technical documentations</td>
<td></td>
</tr>
<tr>
<td>12.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>12.2</td>
<td>Service Manual</td>
<td>2 Set</td>
</tr>
<tr>
<td>12.3</td>
<td>Drawings</td>
<td>Nil</td>
</tr>
<tr>
<td>13</td>
<td>Commissioning</td>
<td></td>
</tr>
<tr>
<td>13.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Warranty</td>
<td></td>
</tr>
<tr>
<td>14.1</td>
<td>Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td>14.2</td>
<td>Equipment System</td>
<td>Nil</td>
</tr>
<tr>
<td>Department</td>
<td>Consultation</td>
<td>Room Name/No.</td>
</tr>
<tr>
<td>------------</td>
<td>--------------</td>
<td>---------------</td>
</tr>
<tr>
<td></td>
<td>KFHL-74</td>
<td>Item Description</td>
</tr>
</tbody>
</table>

1. General Description
Lens meter

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit

3.1.1 Range of measurement of vertex power
0 to ±25 D

3.1.2 Determination of prism power
0 to 5 diopter

3.1.3 Instrument tilting angle
Freely adjustable between 30° and 90°

3.1.4 Lens Diameter
32 to 90 mm

3.1.5 Light source
LED

3.1.6 Display
LCD 7” colour

3.1.7 Printer
In-built

4. Physical characteristics

4.1 Main unit
Robust construction and easy to clean

4.2 Dimensions
Table top model

5. Operating environment

5.1 Power Requirements
240V, A/c 50 Hz, Single phase

5.2 Ambient temperature
10° C to 40° C

5.3 Relative humidity
40% to 90%

6. Quality standards

6.1 Manufacturing standards
IEC 60601-1, ISO 9001 or any other internationally recognized standards

Conformity to standards
CE marked or any other internationally recognized documents

7. Local back up service

7.1 Available
Should be available locally

7.2 Capacity to service equipment
Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff

8. Delivery point

8.1 Lamu KFH
For inspection, testing and installation

9. Installation and testing

Complete installation and set up of the machine at Othaya as per manufacturer’s instructions

10. Training

10.1 User Training
On site user training on operation and daily upkeep

10.2 Maintenance training
On site maintenance training on preventive maintenance

11. Technical documentations
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1</td>
<td>User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>11.2</td>
<td>Service Manual</td>
<td>1 Set</td>
</tr>
<tr>
<td>11.3</td>
<td>Drawings</td>
<td>Nil</td>
</tr>
</tbody>
</table>

12 Commissioning

12.1 Testing and commissioning of the machine to the satisfaction of the user.

13 Warranty

13.1 Equipment Minimum of one year after commissioning on all parts.
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>Consultation</th>
<th>Room Name/No.</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>KFHL-75</td>
<td></td>
<td>Slit lamp with applanation</td>
</tr>
</tbody>
</table>

1. General Description
Slit lamp with manual stand, stereoscopic, direct viewing and applanation tonometer

2. Composition

2.1 Main unit
- Slit lamp 1 No.
- Applanation Tonometer 1 No
- AVR 1 No.

3. Performance Specifications

3.1 Main Unit
3.1.1 The unit should be a model or type on current production
3.1.2 Eyepiece 10x and 16x
3.1.3 Total magnification 10x, 16x, 25x and x40
3.1.4 Slit width 0-8mm continuous
3.1.5 Slit length 1-8 mm continuous
3.1.6 Radial movement of the slit light Horizontal ± 90° Vertical 0-20°
3.1.7 Filter In built, types (Blue, redfree (green), grey(10%), Neutral
3.1.8 Light source Halogen/tungsten/LED

3.2 Stereo- microscope
3.2.1 Magnification changer 1x and 1.6x
3.2.2 Range of adjusting eye-pieces +8 to – 8 diopters (with 10x eye-pieces)
3.2.3 Inter papillary distance 50 – 90 mm

3.3 Instrument base
3.3.1 Operation Single- handed 3- dimensional operation of the guide level
3.3.2 Instrument base Adjustable
3.4 Beam splitter Provided
3.5 Video adaptor Provided
3.6 Digital camera and Image capturing software with computer Provided
3.7 Permanent Applanation Tonometer attachment Provided
3.8 Stereovariator Provide
3.9 Diffusor Provided
3.10 Applanation tonometer Digital type,
Goldmann tonometry method
With attachments for the slit lamp
<table>
<thead>
<tr>
<th>4</th>
<th>Physical characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Main unit</td>
</tr>
<tr>
<td>4.2</td>
<td>Dimensions</td>
</tr>
<tr>
<td></td>
<td>Mounted on stand, Electrical type</td>
</tr>
<tr>
<td>5</td>
<td>Operating environment</td>
</tr>
<tr>
<td>5.1</td>
<td>Power Requirements</td>
</tr>
<tr>
<td></td>
<td>240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord</td>
</tr>
<tr>
<td></td>
<td>BS type with PE</td>
</tr>
<tr>
<td>5.2</td>
<td>Ambient temperature</td>
</tr>
<tr>
<td></td>
<td>10°C to 40°C</td>
</tr>
<tr>
<td>5.3</td>
<td>Relative humidity</td>
</tr>
<tr>
<td></td>
<td>40% to 90%</td>
</tr>
<tr>
<td>6</td>
<td>Accessories</td>
</tr>
<tr>
<td>6.1</td>
<td>Automatic Voltage Regulator (AVR)</td>
</tr>
<tr>
<td></td>
<td>1 Unit</td>
</tr>
<tr>
<td>6.1.1</td>
<td>Capacity</td>
</tr>
<tr>
<td></td>
<td>Over VA of the main Unit</td>
</tr>
<tr>
<td>6.1.2</td>
<td>Input</td>
</tr>
<tr>
<td></td>
<td>Ac 240V, 50Hz, Single phase ± 15%</td>
</tr>
<tr>
<td>6.1.3</td>
<td>Output</td>
</tr>
<tr>
<td></td>
<td>Ac 240V, 50Hz, Single Phase ± 2.5%</td>
</tr>
<tr>
<td>7</td>
<td>Spare parts</td>
</tr>
<tr>
<td>7.1</td>
<td>Bulb</td>
</tr>
<tr>
<td></td>
<td>2 pcs</td>
</tr>
<tr>
<td>8</td>
<td>Quality standards</td>
</tr>
<tr>
<td>8.1</td>
<td>Manufacturing standards</td>
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<td>IEC 60601-1, ISO 9001 or any other internationally recognized standards</td>
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<td>Conformity to standards</td>
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<td></td>
<td>CE marked/ FDA approved or any other internationally recognized documents</td>
</tr>
<tr>
<td>9</td>
<td>Local back up service</td>
</tr>
<tr>
<td>9.1</td>
<td>Available</td>
</tr>
<tr>
<td></td>
<td>Should be available locally</td>
</tr>
<tr>
<td>9.2</td>
<td>Capacity to service equipment</td>
</tr>
<tr>
<td></td>
<td>Agent shall have adequate facilities, spare parts,</td>
</tr>
<tr>
<td></td>
<td>consumables and qualified and skilled technical staff</td>
</tr>
<tr>
<td>10</td>
<td>Delivery point</td>
</tr>
<tr>
<td>10.1</td>
<td>KFH</td>
</tr>
<tr>
<td></td>
<td>For inspection and testing</td>
</tr>
<tr>
<td>10.2</td>
<td>Nil</td>
</tr>
<tr>
<td>11</td>
<td>Pre installation requirements</td>
</tr>
<tr>
<td></td>
<td>Nil</td>
</tr>
<tr>
<td>12</td>
<td>Installation and testing</td>
</tr>
<tr>
<td></td>
<td>Complete installation and set up of the machine at designated sites as per manufacturer’s instructions</td>
</tr>
<tr>
<td>13</td>
<td>Training</td>
</tr>
<tr>
<td>13.1</td>
<td>User Training</td>
</tr>
<tr>
<td></td>
<td>On site user training on operation and daily up keep</td>
</tr>
<tr>
<td>13.2</td>
<td>Maintenance training</td>
</tr>
<tr>
<td></td>
<td>On site maintenance training on preventive maintenance</td>
</tr>
<tr>
<td>14</td>
<td>Technical documentations</td>
</tr>
<tr>
<td>14.1</td>
<td>User manuals</td>
</tr>
<tr>
<td></td>
<td>2 Sets</td>
</tr>
<tr>
<td>14.2</td>
<td>Service Manual</td>
</tr>
<tr>
<td></td>
<td>1 Set</td>
</tr>
<tr>
<td>14.3</td>
<td>Drawings</td>
</tr>
<tr>
<td></td>
<td>Nil</td>
</tr>
<tr>
<td>15</td>
<td>Commissioning</td>
</tr>
<tr>
<td>15.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
</tr>
<tr>
<td>16</td>
<td>Warranty</td>
</tr>
<tr>
<td>16.1</td>
<td>Equipment</td>
</tr>
<tr>
<td></td>
<td>Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td>16.2</td>
<td>Equipment System</td>
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<tr>
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<td>Item Code No.</td>
<td>Consultation</td>
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</tr>
<tr>
<td>KFHL-76</td>
<td></td>
</tr>
</tbody>
</table>

**1. General Description**

Biometry machine for optical biometry, table top model

**2. Composition**

2.1 Main unit

**3. Performance Specifications**

3.1 Main Unit

3.1.1 Measurement capability

- Axial length
- Corneal radii
- Arterior Chamber depth
- Lens thickness
- Central corneal thickness
- White to White

3.1.2 IOL calculations

To be provided

3.1.3 Digital display parameters

- Axial length
- Corneal radii
- Arterior Chamber depth
- Lens thickness
- Central corneal thickness
- White to White

**4. Physical characteristics**

4.1 Main unit

Robust construction and easy to clean

4.2 Dimensions

Table top model

**5. Operating environment**

5.1 Power Requirements

240V, A/c 50 Hz, Single phase

5.2 Ambient temperature

10°C to 40°C

5.3 Relative humidity

40% to 90%

**6. Quality standards**

6.1 Manufacturing standards

IEC 60601-1, ISO 9001 or any other internationally recognized standards

Conformity to standards

CE marked or any other internationally recognized documents

**7. Local back up service**

7.1 Available

Should be available locally

7.2 Capacity to service equipment

Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff

**8. Delivery point**

8.1 Lamu

For inspection, testing and installation

**9. Installation and testing**

Complete installation and set up of the machine as per manufacturer’s instructions

**10. Training**
<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>10.1</td>
<td>User Training</td>
<td>On site user training on operation and daily upkeep</td>
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<td>10.2</td>
<td>Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
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<td>Technical documentations</td>
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<tr>
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<td>User manuals</td>
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<tr>
<td>11.2</td>
<td>Service Manual</td>
<td>1 Set</td>
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<tr>
<td>11.3</td>
<td>Drawings</td>
<td>Nil</td>
</tr>
<tr>
<td>12</td>
<td>Commissioning</td>
<td></td>
</tr>
<tr>
<td>12.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
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<tr>
<td>13</td>
<td>Warranty</td>
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</tr>
<tr>
<td>13.1</td>
<td>Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
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<td>Item Code No.</td>
<td>KFHL-77</td>
<td>Item Description</td>
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</tr>
<tr>
<td>Department</td>
<td>Theatre</td>
<td>Room Name/No.</td>
</tr>
</tbody>
</table>

1. General Description
Vitrectomy machine for vitrectomy surgery complete with vacuum, flow and cut options. The unit should be microprocessor based with digital display, with foot switch, electrodes and mobile (mounted in a cart/trolley).

2. Composition
2.1 Main unit

3. Performance Specifications
3.1 Main Unit
3.1.1 Performance
With Vitrectomy 20 ga, 23 ga, 25ga and 27ga options

3.1.2 Flow
With flow, vacuum and cut capabilities with foot switch control capabilities

3.1.3 Vacuum
Adjustable including preset position

3.1.4 Cut
High cut rate of 16000 cpm with Twin duty cycle

3.1.5 Light source
LED illumination with intensity and colour adjustments

3.1.6 Wave form
Inbuilt laser light

3.1.7 Display
Digital, LCD/LED, 19” colour

3.1.8 Accessories
Standard accessories to be provided including probes/electrodes

4 Physical characteristics
4.1 Main unit
Mounted on mobile cart

4.2 Dimensions

5 Operating environment
5.1 Power Requirements
240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord with PE

5.2 Ambient temperature
10°C to 40°C

5.3 Relative humidity
40% to 90%

6 AVR
6.10 Automatic Voltage Regulator (AVR)
6.10.1 Capacity
Over VA of the main Unit

6.10.2 Input
Ac 240V, 50Hz, Single phase ± 15%

6.10.3 Output
Ac 240V, 50Hz, Single Phase ± 2.5 %

7 Quality standards
7.1 Manufacturing standards
ISO 13485 or any other recognised International Standards,

7.2 Product conformity standards
EU-93/42/EEC, IEC 60601-1, EN 740, FDA approved or any other internationally recognized, equivalent and approval standards

8 Delivery point
8.1 See attached schedule
For Delivery, inspection and testing

9 Installation and testing
9.1 Complete installation and set up of the machine at the delivery sites as per
<table>
<thead>
<tr>
<th></th>
<th>manufacturer’s instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Training</td>
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<tr>
<td>10.1</td>
<td>User Training</td>
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<tr>
<td>10.2</td>
<td>Maintenance training</td>
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<tr>
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<td>Technical documentations</td>
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<td>11.1</td>
<td>User manuals</td>
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<tr>
<td>11.2</td>
<td>Service Manual</td>
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<td>Drawings</td>
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<td>12</td>
<td>Commissioning</td>
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<tr>
<td>12.1</td>
<td>Testing and commissioning of the machine to the satisfaction of the user.</td>
</tr>
<tr>
<td>13</td>
<td>Warranty</td>
</tr>
<tr>
<td>13.1</td>
<td>Equipment</td>
</tr>
<tr>
<td>13.2</td>
<td>Equipment System</td>
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<tr>
<td>14.</td>
<td>Maintenance contract</td>
</tr>
<tr>
<td>14.1</td>
<td>Capacity to provide maintenance and repair service</td>
</tr>
<tr>
<td>Item Code No.</td>
<td>KFHL-78</td>
</tr>
<tr>
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</tr>
</tbody>
</table>

1. General Description
Operating table suitable for use ophthalmic operations. It should be constructed from stainless steel and consist of four sections with height adjustment and tilt movements. It should be mobile on steering castors and electrically controlled with inbuilt rechargeable batteries.

2. Composition
2.1 Main unit

3. Physical Specifications
3.1 Main Unit
3.1.1 Main frame

3.1.2 Table top

3.1.3 Head rest

3.1.4 Covering

3.1.5 Table top

3.1.6 Height of table top

3.2 Table top movements
3.2.1 Head section tilting

3.2.2 Back section tilting

3.2.3 Seat section tilting

3.2.4 Foot/leg section tilting

3.3. Main unit movements

3.4 Maximum load weight

3.5 Control

3.6 Battery capacity

3.7 Charging unit

4.8 Accessories
4.8.1 Length extension

5.1 Manufacturing standards

5.2 Conformity to standards

6. Delivery point

6.1 KFH, for inspection and commissioning

7. Warranty
7.1 Equipment

7.2 Equipment System

Warranty Minimum of one year after commissioning on all parts.

Nil
<table>
<thead>
<tr>
<th>Department</th>
<th>EYE</th>
<th>Room Name/No.</th>
<th>Operating rooms</th>
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</thead>
<tbody>
<tr>
<td>Item Code No.</td>
<td>KFHL-79</td>
<td>Item Description</td>
<td>Ophthalmic Operating Chair</td>
</tr>
</tbody>
</table>

1. General Description
Operating chair suitable for use ophthalmic operations. It should be constructed from stainless steel and consist of three sections with height adjustment. It should be mobile on castors and electrically controlled with inbuilt rechargeable batteries.

2. Composition
2.1 Main unit

3. Physical Specifications
3.1 Main Unit
3.1.1 Main frame
Constructed from high grade stainless steel

3.1.2 Table top
Three sections with fold away armrest; head section, back section, and foot/leg section all constructed from stainless steel with upholstered form and seamless PVC cover or equivalent

3.1.3 Height of chair
Adjustable, electrical operated, 550 mm to 750 mm

3.2 Table top movements
3.2.1 Head section
- 35°, + 180°

3.2.2 Back section
- 25°, + 70°

3.2.3 Seat section
0°, + 17°

3.2.4 Foot/leg section tilting
- 20°, + 45°

3.2.5 12 o'clock position
To be provided

3.3 Main unit movements
Mobile with 4 antistatic steering castors, Φ150mm, with electronic braking

3.4 Maximum load weight
250 Kg

3.5 Control
Electrically operated with rechargeable in built batteries with preset memory positioning.

3.6 Battery capacity
To last at least 22 hours continuous operation

3.7 Charging unit
To be provided, 240V, 50z single phase system

3.8 Accessories
3.8.1 Length extension
To be provided 1 piece

5.1 Manufacturing standards
IEC 60601-1, ISO 9001 or any other internationally recognized standards

5.2 Conformity to standards
CE marked or any other internationally recognized documents

6 Delivery point
6.1 KFH, for inspection and commissioning

7 Warranty
7.1 Equipment
Minimum of one year after commissioning on all parts.

7.2 Equipment System
Nil
<table>
<thead>
<tr>
<th>Item Code No.</th>
<th>KFHL-80</th>
<th>Item Description</th>
<th>Autoclave, table top model, 40 litres</th>
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</thead>
<tbody>
<tr>
<td>Department</td>
<td>EYE</td>
<td>Room Name/No.</td>
<td></td>
</tr>
</tbody>
</table>

1. General Description
Automatic, microprocessor controlled steam sterilizer suitable for sterilization of wrapped, unwrapped and hollow loads. The autoclave should be table top model and constructed from double walled high-grade stainless steel materials and a sterilizer chamber capacity of about 40 litres.

2. Composition

2.1 Main unit

3. Performance Specifications

3.1 Main Unit

3.1.1 Application
For sterilization of wrapped, unwrapped and hollow loads.

3.1.2 Sterilization agent
Saturated steam with inbuilt steam generator.

3.1.3 Sterilization cycle
Fully automatic with Pre – vacuum, heating (steam pulsating), sterilization (holding), post vacuum (drying). With inbuilt printer capable of printing each successful sterilization cycle.

3.1.4 Sterilization temperature range
105°C to 137°C, selectable programs for different kind of loads.

3.1.5 Pressure equalization
By sterile HEPA filter, replaceable.

3.2 Sterilization chamber design and capacity
Cylindrical type, about 40 litres, all high grade stainless steel construction.

3.2.1 Sterilization Chamber door
Fully automatic, with safety interlock, front opening.

3.3 Control unit
Microprocessor based controlling all operational cycles. With large LCD or similar display of cycle progress i.e. temperature, pressures and time. With different programmable cycle programs for different type of loads. With facilities for calibration.

3.4 Steam generator
In built, Electrical heating single phase 240V, 50 Hz.

3.5 Water to steam generator
Distilled water or equivalent water to safe guard heating element.

3.6 Printer
In built printer capable of printing each successful cycle. Preferable thermal printer.

3.7 Safety features
The autoclave should have major safety features such as:
Safety pressure relief valve, overheating protection
Door lock under pressure

4 Physical characteristics

4.1 Main unit
Table top design

5 Operating environment

5.1 Power Requirements
240V, A/c 50 Hz, Single phase, with PE.
<p>| | |</p>
<table>
<thead>
<tr>
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<th></th>
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<tbody>
<tr>
<td>Ambient temperature</td>
<td>10° C to 40° C</td>
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<tr>
<td>Relative humidity</td>
<td>40% to 90%</td>
</tr>
<tr>
<td>6 Accessories</td>
<td>Stainless steel tray. 5 No</td>
</tr>
<tr>
<td>6.1 Printing papers</td>
<td>10 Rolls</td>
</tr>
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<td>7 Spare parts</td>
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</tr>
<tr>
<td>7.1 Heaters</td>
<td>2 sets</td>
</tr>
<tr>
<td>7.2 Door gaskets</td>
<td>2 Sets</td>
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<td>9 Quality standards</td>
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<td>9.2 Manufacturing</td>
<td>IEC 60601-1, ISO 9001, ISO 17665-1 or any other internationally recognized standards</td>
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<td>standards</td>
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<tr>
<td>10 Local back up service</td>
<td>Should be available locally</td>
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<tr>
<td>10.1 Available</td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>10.2 Capacity to service equipment</td>
<td>Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff</td>
</tr>
<tr>
<td>11 Delivery point</td>
<td></td>
</tr>
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<td>11.1 KFH</td>
<td>For inspection, installation, testing and commissioning</td>
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<td>12 Pre installation works</td>
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<td>14.1 User Training</td>
<td>On site user training on operation and daily up keep</td>
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<td>14.2 Maintenance training</td>
<td>On site maintenance training on preventive maintenance</td>
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<tr>
<td>15 Technical documentations</td>
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<td>15.1 User manuals</td>
<td>2 Sets</td>
</tr>
<tr>
<td>15.2 Service Manual</td>
<td>1 Set</td>
</tr>
<tr>
<td>15.3 Drawings</td>
<td>Nil</td>
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<tr>
<td>16 Commissioning</td>
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<tr>
<td>16.1 Testing and commissioning of the machine to the satisfaction of the user.</td>
<td></td>
</tr>
<tr>
<td>17 Warranty</td>
<td></td>
</tr>
<tr>
<td>17.1 Equipment</td>
<td>Minimum of one year after commissioning on all parts.</td>
</tr>
<tr>
<td>17.2 Equipment System</td>
<td>Nil</td>
</tr>
</tbody>
</table>
SECTION VII - STANDARD FORMS

Notes on the Standard Forms:

7.1 Form of Tender

This form must be completed by the tenderer and submitted with the tender documents. It must also be duly signed by duly authorized representative of the tenderer.

7.2 Confidential Business Questionnaire Form

This form must be completed by the tenderer and submitted with tender documents.

7.3 Tender Security Form

When required by the tender document the tenderer shall provide the tender security either in the form included therein after or in another format acceptable to the procuring entity.

7.4 Contract Form

The Contract form shall not be completed by the tenderer at the time of submitting the tenderer at the time of submitting the tender. The contract form shall be completed after contract award.

7.5 Performance Security form

The performance security form should not be completed by the tenderer at the time of tender preparation. Only the successful tenderer will be required to provide performance security in the sum provided herein or in another form acceptable to the procuring entity.

7.6 Bank Guarantee for Advance Payment.

When there is an agreement to have Advance payment, this form must be duly completed.
7.7 **Manufacturer’s Authorization Form**
When required by the tender document, this form must be completed and submitted with the tender document. This form will be completed by the manufacturer of the goods where the tender is an agent.
7.1  **FORM OF TENDER**

Date ____________________
Tender No. ____________________

To: ____________________

 [name and address of procuring entity]

Gentlemen and/or Ladies:

1. Having examined the tender documents including Addenda Nos. ……………………………… [insert numbers] the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply deliver, install and commission ( ……………………………………………. (insert equipment description) in conformity with the said tender documents for the sum of …………………………………………………………………………………………………………………………… (total tender amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

2. We undertake, if our Tender is accepted, to deliver install and commission the equipment in accordance with the delivery schedule specified in the Schedule of Requirements.

3. If our Tender is accepted, we will obtain the guarantee of a bank in a sum of equivalent to ______________ percent of the Contract Price for the due performance of the Contract , in the form prescribed by ………………….. (Procuring entity).

4. We agree to abide by this Tender for a period of …… [number] days from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. This Tender, together with your written acceptance thereof and your notification of award, shall constitute a Contract, between us. Subject to signing of the Contract by the parties.

6. We understand that you are not bound to accept the lowest or any tender that you may receive.

Dated this ________________ ___________ day of ___________ 20

______________________________
[signature]  [in the capacity of]

Duly authorized to sign tender for an on behalf of ____________________
7.2 CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

You are requested to give the particulars indicated in Part 1 and either Part 2(a), 2(b) or 2(c) whichever applied to your type of business.

You are advised that it is a serious offence to give false information on this form.

**Part 1 – General:**

<table>
<thead>
<tr>
<th>Business Name</th>
<th>Location of business premises.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plot No.</th>
<th>Street/Road</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Postal Address</th>
<th>Tel No.</th>
<th>Fax</th>
<th>E mail</th>
<th>Nature of Business</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Registration Certificate No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum value of business which you can handle at any one time – Kshs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of your bankers</th>
<th>Branch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Part 2 (a) – Sole Proprietor**

<table>
<thead>
<tr>
<th>Your name in full</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nationality</th>
<th>Country of origin</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Citizenship details
- 

**Part 2 (b) Partnership**

**Given details of partners as follows:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Nationality</th>
<th>Citizenship Details</th>
<th>Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. 
2. 
3. 
4. 

**Part 2 (c) – Registered Company**

<table>
<thead>
<tr>
<th>Private or Public</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<p>| State the nominal and issued capital of company- |</p>
<table>
<thead>
<tr>
<th>Nominal Kshs.</th>
<th>Issued Kshs.</th>
</tr>
</thead>
</table>

<p>| Given details of all directors as follows |</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>Nationality</th>
<th>Citizenship Details</th>
<th>Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. 
2. 
3. 
4. 
5. 

Date Seal/Signature of Candidate

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7.3 TENDER SECURITY FORM

Whereas ……………………………………………. [name of the tenderer] (hereinafter called “the tenderer”) has submitted its tender dated ………… [date of submission of tender] for the supply, installation and commissioning of ……………………………….[name and/or description of the equipment] (hereinafter called “the Tender”) …………………………………………….

KNOW ALL PEOPLE by these presents that WE ………………………  ………………… of …………………………………………. having our registered office at ………………… (hereinafter called “the Bank”), are bound unto ……………… [name of Procuring entity] (hereinafter called “the Procuring entity”) in the sum of ………………………………….. for which payment well and truly to be made to the said Procuring entity, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ___________ day of ______________ 20___________

THE CONDITIONS of this obligation are:-

1. If the tenderer withdraws its Tender during the period of tender validity specified by the tenderer on the Tender Form; or

2. If the tenderer, having been notified of the acceptance of its Tender by the Procuring entity during the period of tender validity:
   (a) fails or refuses to execute the Contract Form, if required; or
   (b) fails or refuses to furnish the performance security in accordance with the Instructions to tenderers;

We undertake to pay to the Procuring entity up to the above amount upon receipt of its first written demand, without the Procuring entity having to substantiate its demand, provided that in its demand the Procuring entity will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This tender guarantee will remain in force up to and including thirty (30) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the above date.

[signature of the bank]
(Amend accordingly if provided by Insurance Company)
7.4 CONTRACT FORM

THIS AGREEMENT made the _________ _______ day of ______ 20____ between ……………… [name of Procurement entity] of ……….. [country of Procurement entity] (hereinafter called “the Procuring entity) of the one part and…………………………… [name of tenderer] of ………….. [city and country of tenderer] (hereinafter called “the tenderer”) of the other part;

WHEREAS the Procuring entity invited tenders for [certain goods ] and has accepted a tender by the tenderer for the supply of those goods in the sum of …………………………………. [contract price in words and figures] (hereinafter called “the Contract Price).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:

2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz:
   (a) the Tender Form and the Price Schedule submitted by the tenderer
   (b) the Schedule of Requirements
   (c ) the Technical Specifications
   (d) the General Conditions of Contract
   (e) the Special Conditions of contract; and
   (f) the Procuring entity’s Notification of Award

3. In consideration of the payments to be made by the Procuring entity to the tenderer as hereinafter mentioned, the tenderer hereby covenants with the Procuring entity to provide the goods and to remedy the defects therein in conformity in all respects with the provisions of this Contract

4. The Procuring entity hereby covenants to pay the tenderer in consideration of the provisions of the goods 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.

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

Signed, sealed, delivered by ______ the _____________ (for the Procuring entity)

Signed, sealed, delivered by ______ the _____________ (for the tenderer in the presence of
7.5 PERFORMANCE SECURITY FORM

To …………………………………………………

[name of Procuring entity]

WHEREAS ……………………………………… [name of tenderer]
(hereinafter called “the tenderer”) has undertaken, in pursuance of Contract
No. _______________ [reference number of the contract] dated ________
________________________ 20_________ to supply ………………………………
………………………………………………………………………………
[description of goods] (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the
tenderer shall furnish you with a bank guarantee by a reputable bank for the
sum specified therein as security for compliance with the Tenderer’s
performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the tenderer a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to
you, on behalf of the tenderer, up to a total of ……………………………
[amount of the guarantee in words and figure] and we undertake to pay you,
upon your first written demand declaring the tenderer to be in default under
the Contract and without cavil or argument, any sum or sums within the
limits of ………………………… [amount of guarantee] as aforesaid, without
you needing to prove or to show grounds or reasons for your demand or the
sum specified therein.

This guarantee is valid until the __________ day of_________ 20_______

Signed and seal of the Guarantors

________________________________________

[name of bank or financial institution]

________________________________________

[address]

________________________________________

[date]

(Amend accordingly if provided by Insurance Company)
7.6 BANK GUARANTEE FOR ADVANCE PAYMENT

To ........................................

[name of Procuring entity]

[name of tender] .......................

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends the General Conditions of Contract to provide for advance payment, ........................................................................................................... [name and address of tenderer] (hereinafter called “the tenderer”) shall deposit with the Procuring entity a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract an amount of ………. …………………. [amount of guarantee in figures and words].

We, the ........................................ [bank or financial institutions], as instructed by the tenderer, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring entity on its first demand without whatsoever right of objection on our part and without its first claim to the tenderer, in the amount not exceeding …………………. [amount of guarantee in figures and words].

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring entity and the tenderer, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid in full effect from the date of the advance payment received by the tenderer under the Contract until …………… [date].

Yours truly,

Signature and seal of the Guarantors

________________________________________
[name of bank or financial institution]

________________________________________
[address]

________________________________________
[date]
7.7 MANUFACTURER’S AUTHORIZATION FORM

To [name of the Procuring entity] ………………….. 

WHEREAS ………………………………………………………… [name of the manufacturer] who are established and reputable manufacturers of ………………… [name and/or description of the goods] having factories at ……………………………………………... [address of factory] do hereby authorize …………………………… [name and address of Agent] to submit a tender, and subsequently negotiate and sign the Contract with you against tender No. ……………………….. [reference of the Tender] for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Tenders.

________________________________________

[signature for and on behalf of manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by an authorized person.
7.8. LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

To:____________________

____________________

____________________

____________________

RE: Tender No.____________________

Tender Name____________________

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

________________________________________________________________________________________

1. Please acknowledge receipt of this letter of notification signifying your acceptance.

2. The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.

3. You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

(FULL PARTICULARS) ________________________________

________________________________________________________________________________________

SIGNED FOR ACCOUNTING OFFICER
7.9. FORM RB 1

REPUBLIC OF KENYA
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…

REQUEST FOR REVIEW
I/We……………………………,the above named Applicant(s), of address:

    Physical address…………..Fax 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. etc.
By this memorandum, the Applicant requests the Board for an order/orders that: -
1. 
2. etc

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