



TENDER NO.: GF-KEMSA/CONST 03/ONT3/2021/2022

**TENDER FOR SUPPLY, INSTALLATION,
TESTING AND COMMISSIONING OF LIFTS AT
KEMSA NEW WAREHOUSE**

SPECIFICATIONS AND BILLS OF QUANTITIES

CLOSING DATE: 14th June, 2022

Contents Page

| | |
|---|-------------|
| SECTION I | 3 - |
| SECTION II | 8 - |
| INSTRUCTIONS TO TENDERERS | 8 - |
| APPENDIX TO INSTRUCTIONS TO TENDERERS | 20 - |
| SECTION IV | 30 - |
| CONDITIONS OF MAIN CONTRACT | 30 - |
| GENERAL CONDITIONS OF CONTRACT | 30 - |
| SPECIAL CONDITIONS OF CONTRACT | 49 - |
| APPENDIX TO CONDITIONS OF CONTRACT | 50 - |
| (SUBCONTRACT WORKS) | 50 - |
| SECTION VI | 52 - |
| STANDARD FORMS | 52 - |
| NOTES ON THE SAMPLE FORMS | 52 - |
| FORM OF INVITATION FOR TENDERS | 54 - |
| QUALIFICATION INFORMATION | 55 - |
| TENDER QUESTIONNAIRE | 58 - |
| CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM | 59 - |
| DECLARATION OF UNDERTAKING (INTEGRITY STATEMENT) | 61 - |
| SITE VISIT DECLARATION FORM | 64 - |
| TENDER SECURITY FORM | 65 - |
| DETAILS OF SUB-CONTRACTORS | 66 - |
| BANK GUARANTEE FOR ADVANCE PAYMENT FORM | 67 - |
| PERFORMANCE SECURITY FORM | 68 - |
| METHOD STATEMENT | 69 - |
| STATEMENT OF FOREIGN CURRENCY REQUIREMENTS | 70 - |
| LETTER OF NOTIFICATION OF AWARD | 71 - |
| LETTER OF ACCEPTANCE | 72 - |
| FORM OF AGREEMENT | 73 - |
| CONTRACT FORM | 75 - |
| PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD | 76 - |

SECTION I

INVITATION FOR TENDER (IFT)

Open National Tender (ONT)

FUNDING: THE GOVERNMENT OF KENYA, THE GLOBAL FUND AND THE KENYA MEDICAL SUPPLIES AUTHORITY

IFT NO.: GF-KEMSA/CONST 03/ONT3/2021/2022

TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF LIFTS AT KEMSA NEW WAREHOUSE

Date: 17th May, 2022

1. The Government of The Republic of Kenya (GoK) and The Global Fund (GF) through The Kenya Medical Supplies Authority (KEMSA) has set aside funds for construction of a Modern Warehouse and Office Block on LR No. 9042/176 at Embakasi, Nairobi Kenya.
2. KEMSA, on behalf of GOK and GF now invite sealed tender (s) for the under listed categories of works.

| Tender Reference | Tender Description | NCA Registration Category | Tender Security Amount |
|----------------------------------|--------------------|---------------------------|------------------------|
| GF-KEMSA/CONST 03/ONT3/2021/2022 | LIFT INSTALLATIONS | NCA 6 and above | Kshs.350,000.00 |

3. Bidding will be conducted through the **Open National Tender (ONT)** procedures specified in the Government of Kenya Public Procurement and Asset Disposals Act, 2015.
4. Interested eligible bidders may obtain further information from KEMSA offices and inspect the bidding documents at the Procurement office situated at:

Kenya Medical Supplies Authority
13, Commercial Street, Industrial Area
P.O B Box 47715-00100
Telephone No.: +254 20 3922000/+254 719033000/+254 733606600
Fax No.: +254203922400
Email: procure@kemsa.co.ke

On normal working days on Monday to Friday **09.00hrs and 16.00hrs except on Public Holidays or download at the IFMIS Supplier's Portal: <http://supplier.treasury.go.ke/>** KEMSA's website <https://www.kemsa.co.ke> Documents downloaded are free of charge and bidders are advised to register at the Procurement Office or via email at procure@kemsa.co.ke (**Refer to registration form in the tender document**).

5. Complete serialized/paginated Bid Documents; **One original and a copy** in plain sealed envelopes clearly marked on top with the Tender Reference and Description and accompanied by a Bid Security of an amount as indicated in the respective Tender Documents in a freely

convertible currency from Commercial Banks or Insurance Companies (Approved by The GOK Public Procurement Regulatory Authority) and should be addressed to:

The Chief Executive Officer
Kenya Medical Supplies Authority
13, Commercial Street, Industrial Area
P.O B Box 47715-00100
Nairobi, Kenya.

And must be deposited in Tender Box 2 Marked **Global Fund Tenders** at the reception on the Ground floor of KEMSA's Commercial Street Office in Nairobi on or before **14th June, 2022 at 10.00 a.m.** Bids will be opened immediately thereafter in the presence of Bidders' and or representatives who choose to attend.

6. Bulky tenders can be handed over to KEMSA **Procurement Director's** office for registration and safe keeping till the tender opening date.
7. Late bids shall **NOT** be accepted.
8. There will be a mandatory Site visit for all prospective bidders on **26th May, 2022 from 9.00am** at KEMSA warehouse in Embakasi, Nairobi. Thereafter there will be a pre-bid meeting for those who wish to attend.

Yours sincerely,

CHIEF EXECUTIVE OFFICER,
KENYA MEDICAL SUPPLIES AUTHORITY

REGISTRATION FORM FOR ONLINE TENDERERS/BIDDERS/SUPPLIERS

Tender No.: GF-KEMSA/CONST 03/ONT3/2021/2022 – TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF LIFTS

NOTE: Please provide your details below for purposes of communication in case you download this tender document from IFMIS or KEMSA website.

Name of the firm:.....

Postal Address:.....

Telephone Contacts:.....

Company email address:.....

Contact Person:.....

Once completed please submit this form to the email below;

procure@kemsa.co.ke

SPECIAL NOTES

1. The Contractor is required to check the numbers of the pages of these Bills of Quantities against the contents stated on the Table of Contents and should he find missing, in duplicate or indistinct, he must inform the Procuring entity as described in this document at once and have the same rectified.
2. Should the Contractor be in doubt about the precise meaning of any item or figure for any reason whatsoever, he must inform the Procuring entity in order that the correct meaning may be decided before the date of submission of tenders.
3. No liability will be accepted nor any claim allowed in respect of errors in the Contractor's tender due to mistakes in these Bills of Quantities which should have been rectified in the manner described above.
4. The Tenderer shall not alter or otherwise qualify the text of this Tender Document. Any alteration or qualification made without any authority will be ignored and the text printed will be adhered to.
5. In case of Discrepancy between Tender Data Sheet and other sections of these Tender Documents, information in the Tender Data Sheet shall apply.
6. The bids shall be evaluated in accordance with evaluation criteria as detailed in the bid document.
7. Only Tenderers who score 70 points and above in the Technical Evaluation Stage shall qualify for further evaluation.

PRE-BID SITE VISIT CERTIFICATE

KENYA MEDICAL SUPPLIES AUTHORITY

**TENDER REFERENCE NO.: GF-KEMSA/CONST
03/ONT3/2021/2022**

**TENDER FOR SUPPLY, INSTALLATION, TESTING AND
COMMISSIONING OF LIFTS AT KEMSA NEW WAREHOUSE**

We confirm that M/s.

..... was

duly represented by

during the **Site Visit/ Pre-bid Briefing** on **26th May, 2022** from **9.00A.M** to

2.00 P.M at KEMSA Warehouse Embakasi Nairobi.

Signed:

**CHIEF EXECUTIVE OFFICER
KENYA MEDICAL SUPPLIES AUTHORITY**

SECTION II INSTRUCTIONS TO TENDERERS

General/Eligibility/Qualifications/Joint venture/Cost of tendering

- 1.1 This Invitation for Tenders is open to all eligible tenderers for Works Contract as described in the tender documents. The successful tenderer will be expected to complete the Works by the Intended Completion Date specified in the tender documents.
- 1.2 All tenderers shall provide the Qualification Information, a statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or has not been associated in the past, directly or indirectly, with the Consultant or any other entity that has prepared the design, specifications, and other documents for the project or being proposed as Project Manager for the Contract. A firm that has been engaged by Kenya Medical Supplies Authority Ltd. to provide consulting services for the preparation or supervision of the Works, and any of its affiliates, shall not be eligible to tender.
- 1.3 All tenderers shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.
- 1.4 In the event that pre-qualification of potential tenderers has been undertaken, only tenders from pre-qualified tenderers will be considered for award of Contract. These qualified tenderers should submit with their tenders any information updating their original pre-qualification applications or, alternatively, confirm in their tenders that the originally submitted pre-qualification information remains essentially correct as of the date of tender submission.

Tender documents shall be accompanied by the following **Mandatory requirements** for preliminary evaluation:-

Mandatory Requirements

- a) Certificate of Registration/Incorporation (*Applicable to all Bidders*)
- b) Valid & Current Registration with **National Construction Authority (NCA 6 and above)** – *Lift Installations*
- c) Valid & Current Registration with **Energy Regulatory Commission (ERC Class A-1)** - (*Lift Bidders*)
- d) Manuals and Materials Certificates as described in the Tables attached and Bills of Quantities - (*Applicable to all Bidders*)
- e) Valid Tax Compliance Certificate - (*Applicable to all Bidders*)
- f) Valid Tender Security of 150 days - (*Applicable to all Bidders*)
- g) Duly Signed Anti-Corruption declaration form - (*Applicable to all Bidders*)
- h) Duly signed non-Debarment declaration form. - (*Applicable to all Bidders*)
- i) Pagination / Serialization of Tender Document- (*Applicable to all Bidders*)
- j) Duly signed form of Tender - (*Applicable to all Bidders*)

- k) Certificate of Site visit duly Signed and stamped by the procuring entity - *(Applicable to all Bidders)*
- l) Compliance with Technical Specifications - ***Note: Tender Evaluation Committee to carry out analysis showing how decision on this requirement has been arrived at and attach analysis on this as an Appendix. (Applicable to all Bidders)***

To supply equipment's/items which comply with the technical specifications set out in the bid document. In this regard, the bidders shall be required to submit relevant technical brochures/catalogues with the tender document, highlighting the Catalogue Numbers of the proposed items. Such brochures/catalogues should indicate comprehensive relevant data of the proposed equipment/items which should include but not limited to the following:

- (i) Standards of manufacture;
- (ii) Performance ratings/characteristics;
- (iii) Material of manufacture;
- (iv) Electrical power ratings; and
- (v) Any other necessary requirements (Specify).

A tenderer who fails to meet the mandatory requirements shall be disqualified from further evaluation.

- 1.5 Where no pre-qualification of potential tenderers has been done, all tenderers shall include be required the following information and documents with their tenders, unless otherwise stated:
- (a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business; written power of attorney of the signatory of the tender to commit the tenderer
 - (b) total monetary value of construction work performed for each of the last five years:
 - (c) experience in works of a similar nature and size for each of the last five years, and details of work under way or contractually committed; and names and addresses of clients who may be contacted for further information on these contracts;
 - (d) Major items of construction equipment proposed to carry out the Contract and an undertaking that they will be available for the Contract.
 - (e) Qualifications and experience of key site management and technical personnel proposed for the Contract and an undertaking that they shall be available for the Contract.

- (f) reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the past three years;
 - (g) evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);
 - (h) authority to seek references from the tenderer's bankers;
 - (i) information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount; and
 - (j) Proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price.
- 1.6 Tenders submitted by a joint venture of two or more firms as partners shall comply with the following requirements, unless otherwise stated:
- (a) the tender shall include all the information listed in clause 1.5 above for each joint venture partner;
 - (b) the tender shall be signed so as to be legally binding on all partners;
 - (c) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
 - (d) one of the partners will be nominated as being in charge, authorized to incur liabilities, and receive instructions for and on behalf of all partners of the joint venture; and
 - (e) The execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.
- 1.7 To qualify for award of the Contract, tenderers shall meet the following minimum qualifying criteria;
- (a) annual volume of construction work of at least 2.5 times the estimated annual cash flow for the Contract;
 - (b) experience as Fire Fighting contractor in the construction of at least five works of a nature and complexity equivalent to the Works over the last 10 years (to comply with this requirement, works cited should be at least 70 percent complete);
 - (c) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed as required for the Works;
 - (d) a Contract Manager with at least ten years' experience in works of an equivalent nature and volume, including no less than three years as Manager; and
 - (e) Liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than 2 months of the estimated payment flow under this Contract.

- 1.8 The figures for each of the partners of a joint venture shall be added together to determine the tenderer's compliance with the minimum qualifying criteria of clause 1.7 (a) and (e); however, for a joint venture to qualify, each of its partners must meet at least 25 percent of minimum criteria 1.7 (a), (b) and (e) for an individual tenderer, and the partner in charge at least 40 percent of those minimum criteria. Failure to comply with this requirement will result in rejection of the joint venture's tender. Subcontractors' experience and resources will not be taken into account in determining the tenderer's compliance with the qualifying criteria, unless otherwise stated.
- 1.9 Each tenderer shall submit only one tender, either individually or as a partner in a joint venture. A tenderer who submits or participates in more than one tender (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the tenderer's participation to be disqualified.
- 1.10 The tenderer shall bear all costs associated with the preparation and submission of his tender, and Kenya Medical Supplies Authority will in no case be responsible or liable for those costs.
- 1.11 The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the tenderer's own expense.
- 1.12 The Kenya Medical Supplies Authority employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 1.13 The Kenya Medical Supplies Authority shall allow the tenderer to review the tender document free of charge before purchase.

2

Tender Documents

- 2.1 The complete set of tender documents comprises the documents listed below and any addenda issued in accordance with Clause 2.4.
 - (a) These Instructions to Tenderers
 - (b) Form of Tender and Qualification Information
 - (c) Conditions of Contract
 - (d) Appendix to Conditions of Contract
 - (e) Specifications
 - (f) Drawings
 - (g) Bills of Quantities
 - (h) Forms of Securities
- 2.2 The tenderer shall examine all Instructions, Forms to be filled and Specifications in the tender documents. Failure to furnish all information required by the tender documents, or submission of a tender not substantially responsive to the tendering documents in every respect will be at the tenderer's risk and may result in rejection of his tender.

- 2.3 A prospective tenderer making an inquiry relating to the tender documents may notify the Kenya Medical Supplies Authority in writing or by cable, telex or facsimile at the address indicated in the letter of invitation to tender. Kenya Medical Supplies Authority will only respond to requests for clarification received earlier than seven days prior to the deadline for submission of tenders. Copies of the Kenya Medical Supplies Authority's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.
- 2.4 Before the deadline for submission of tenders, Kenya Medical Supplies Authority may modify the tendering documents by issuing addenda. Any addendum thus issued shall be part of the tendering documents and shall be communicated in writing or by cable, telex or facsimile to all tenderers. Prospective tenderers shall acknowledge receipt of each addendum in writing to the Employer.
- 2.5 To give prospective tenderers reasonable time in which to consider an addendum in preparing their tenders, Kenya Medical Supplies Authority shall extend, as necessary, the deadline for submission of tenders, in accordance with Clause 4.2 here below.

3 Preparation of Tenders

- 3.1 All documents relating to the tender and any correspondence shall be in English language.
- 3.2 The tender submitted by the tenderer shall comprise the following:
 - (a) These Instructions to Tenderers, Form of Tender, Conditions of Contract, Appendix to Conditions of Contract and Specifications;
 - (b) Tender Security;
 - (c) Priced Bill of Quantities;
 - (d) Qualification Information Form and Documents;
 - (e) Alternative offers where invited; and
 - (f) Any other materials required to be completed and submitted by the tenderers.
- 3.3 The tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items for which no rate or price is entered by the tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause relevant to the Contract, as of 30 days prior to the deadline for submission of tenders, shall be included in the tender price submitted by the tenderer.
- 3.4 The rates and prices quoted by the tenderer shall only be subject to adjustment during the performance of the Contract if provided for in the Appendix to Conditions of Contract and provisions made in the Conditions of Contract.
- 3.5 The unit rates and prices shall be in Kenya Shillings.

- 3.6 Tenders shall remain valid for a period of one hundred and Twenty (120) days from the date of submission. However, in exceptional circumstances, the Kenya Medical Supplies Authority may request that the tenderers extend the period of validity for a specified additional period. The request and the tenderers' responses shall be made in writing. A tenderer may refuse the request without forfeiting the Tender Security. A tenderer agreeing to the request will not be required or permitted to otherwise modify the tender, but will be required to extend the validity of Tender Security for the period of the extension, and in compliance with Clause 3.7 - 3.11 in all respects.
- 3.7 The tenderer shall furnish, as part of the tender, a Tender Security in the amount and form specified in the appendix to invitation to tenderers. This shall be in the amount not exceeding 2 percent of the tender price.
- 3.8 The format of the Tender Security should be in accordance with the form of Tender Security included in Section IV - Standard forms or any other form acceptable to Kenya Medical Supplies Authority. Tender Security shall be valid for 30 days beyond the validity of the tender.
- 3.9 Any tender not accompanied by an acceptable Tender Security shall be rejected. The Tender Security of a joint venture must define as "Tenderer" all joint venture partners and list them in the following manner: a joint venture consisting of"", "", and ".....".
- 3.10 The Tender Securities of unsuccessful tenderers will be returned within 28 days of the end of the tender validity period specified in Clause 3.6.
- 3.11 The Tender Security of the successful tenderer will be discharged when the tenderer has signed the Contract Agreement and furnished the required Performance Security.
- 3.12 The Tender Security may be forfeited
 - (a) if the tenderer withdraws the tender after tender opening during the period of tender validity;
 - (b) if the tenderer does not accept the correction of the tender price, pursuant to Clause 5.7;
 - (c) in the case of a successful tenderer, if the tenderer fails within the specified time limit to
 - (i) sign the Agreement, or
 - (ii) furnish the required Performance Security.
- 3.13 Tenderers shall submit offers that comply with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. Alternatives will not be considered, unless specifically allowed in the invitation to tender. If so allowed, tenderers wishing to offer technical alternatives to the requirements of the tendering documents must also submit a tender that complies with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. In addition to submitting the basic tender, the tenderer shall provide all information necessary for a complete evaluation of the alternative, including design calculations, technical specifications, breakdown of prices, proposed construction methods and other relevant details. Only the technical alternatives, if any, of the lowest evaluated tender conforming to the basic technical requirements shall be considered.
- 3.14 The tenderer shall prepare one original of the documents comprising the tender documents as described in Clause 3.2 of these Instructions to Tenderers, bound with

the volume containing the Form of Tender, and clearly marked “**ORIGINAL**”. In addition, the tenderer shall submit copies of the tender, in the number specified in the invitation to tender, and clearly marked as “**COPIES**”. In the event of discrepancy between them, the original shall prevail.

- 3.15 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the tenderer, pursuant to Clause 1.5 (a) or 1.6 (b), as the case may be. All pages of the tender where alterations or additions have been made shall be initialed by the person or persons signing the tender.
- 3.16 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 7 days prior to the deadline for submission of tenders.
- 3.17 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.
- 3.18 The tender security shall be in the amount of 0.5 – 2 per cent of the tender price.

4 Submission of Tenders

- 4.1 The tenderer shall seal the original and all copy of the tender in two inner envelopes and one outer envelope, duly marking the inner envelopes as “**ORIGINAL**” and “**COPY**” as appropriate. The inner and outer envelopes shall:
 - (a) be addressed to the Kenya Medical Supplies Authority at the address provided in the invitation to tender;
 - (b) bear the name and identification number of the Contract as defined in the invitation to tender; and
 - (c) provide a warning not to open before the specified time and date for tender opening.
- 4.2 Tenders shall be delivered to Kenya Medical Supplies Authority at the address specified above not later than the time and date specified in the invitation to tender. However, Kenya Medical Supplies Authority may extend the deadline for submission of tenders by issuing an amendment in accordance with Sub-Clause 2.5 in which case all rights and obligations of the Employer and the tenderers previously subject to the original deadline will then be subject to the new deadline.
- 4.3 Any tender received after the deadline prescribed in clause 4.2 will be returned to the tenderer un-opened.
- 4.4 Tenderers may modify or withdraw their tenders by giving notice in writing before the deadline prescribed in clause 4.2. Each tenderer’s modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with clause 3.13 and 4.1, with the outer and inner envelopes additionally marked “**MODIFICATION**” and “**WITHDRAWAL**”, as appropriate. No tender may be modified after the deadline for submission of tenders.
- 4.5 Withdrawal of a tender between the deadline for submission of tenders and the expiration of the period of tender validity specified in the invitation to tender or as extended pursuant to Clause 3.6 may result in the forfeiture of the Tender Security pursuant to Clause 3.11.
- 4.6 Tenderers may only offer discounts to, or otherwise modify the prices of their tenders by submitting tender modifications in accordance with Clause 4.4 or be included in the original tender submission.

5 Tender Opening and Evaluation

- 5.1 The tenders will be opened by Kenya Medical Supplies Authority, including modifications made pursuant to Clause 4.4, in the presence of the tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender. Envelopes marked "**WITHDRAWAL**" shall be opened and read out first. Tenderers and Employer's representatives who are present during the opening shall sign a register evidencing their attendance.
- 5.2 The tenderers' names, the tender prices, the total amount of each tender and of any alternative tender (if alternatives have been requested or permitted), any discounts, tender modifications and withdrawals, the presence or absence of Tender Security, and such other details as may be considered appropriate, will be announced by the Employer at the opening. Minutes of the tender opening, including the information disclosed to those present will be prepared by Kenya Medical Supplies Authority.
- 5.3 Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of Contract shall not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the Kenya Medical Supplies Authority's officials, processing of tenders or award decisions may result in the rejection of his tender.
- 5.4 To assist in the examination, evaluation, and comparison of tenders, the Kenya Medical Supplies Authority at his discretion, may ask any tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered in the evaluation of the tenders in accordance with Clause 5.7.
- 5.5 Prior to the detailed evaluation of tenders, the Kenya Medical Supplies Authority will determine whether each tender (a) meets the eligibility criteria defined in Clause 1.7;(b) has been properly signed; (c) is accompanied by the required securities; and (d) is substantially responsive to the requirements of the tendering documents. A substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tendering documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the tendering documents, the Kenya Medical Supplies Authority's rights or the tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.
- 5.6 If a tender is not substantially responsive, it will be rejected, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.
- 5.7 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:
 - (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
 - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted

will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.

- (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities, the amount as stated in the Form of Tender shall prevail.
 - (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected Builder's Work (i.e. Corrected tender sum less P.C. and Provisional Sums)
 - (e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
 - (f) the amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 3.11.
- 5.8 Kenya Medical Supplies Authority will evaluate and compare only the tenders determined to be substantially responsive in accordance with Clause 5.5.
- 5.9 In evaluating the tenders, Kenya Medical Supplies Authority will determine for each tender the evaluated tender price by adjusting the tender price as follows:
- (a) making any correction for errors pursuant to clause 5.7;
 - (b) Excluding provisional sums and the provision, if any, for contingencies in the Bill of Quantities, but including Day works where priced competitively.
 - (c) making an appropriate adjustment for any other acceptable variations, deviations, or alternative offers submitted in accordance with clause 3.12; and
 - (d) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with clause 4.6
- 5.10 Kenya Medical Supplies Authority reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the tender documents or otherwise result in unsolicited benefits for the Employer will not be taken into account in tender evaluation.
- 5.11 The tenderer shall not influence the Kenya Medical Supplies Authority on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. Any effort by the Tenderer to influence the Employer or his employees in his decision on tender evaluation, tender comparison or Contract award may result in the rejection of the tender.
- 5.12 Firms incorporated in Kenya where indigenous Kenyans own 51% or more of the share capital shall be allowed a 10% preferential bias provided that they do not sub-contract work valued at more than 50% of the Contract Price excluding Provisional Sums to non-indigenous sub-contractor.

6 Award of Contract

- 6.1 Subject to Clause 6.2, the award of the Contract will be made to the tenderer whose tender has been determined to be substantially responsive to the tendering documents and who has offered the lowest evaluated tender price, provided that such tenderer has been determined to be (a) eligible in accordance with the provision of Clauses 1.2, and (b) qualified in accordance with the provisions of clause 1.7 and 1.8.
- 6.2 Notwithstanding clause 6.1 above, Kenya Medical Supplies Authority reserves the right to accept or reject any tender, and to cancel the tendering process and reject all tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the action.
- 6.3 The tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the “Letter of Acceptance”) will state the sum (hereinafter and in all Contract documents called the “Contract Price”) that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract. At the same time the other tenderers shall be informed that their tenders have not been successful.

The contract shall be formed on the parties signing the contract.

- 6.4 The Agreement will incorporate all agreements between Kenya Medical Supplies Authority and the successful tenderer. Within 14 days of receipt the successful tenderer will sign the Agreement and return it to the Employer.
- 6.5 Within **21 days after receipt** of the Letter of Acceptance, the successful tenderer shall deliver to the Kenya Medical Supplies Authority a Performance Security in the amount stipulated in the Appendix to Conditions of Contract and in the form stipulated in the Tender documents. The Performance Security shall be in the amount and specified form.
- 6.6 Failure of the successful tenderer to comply with the requirements of clause 6.5 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Tender Security.
- 6.7 Upon the furnishing by the successful tenderer of the Performance Security, Kenya Medical Supplies Authority Ltd. will promptly notify the other tenderers that their tenders have been unsuccessful.
- 6.8 Preference where allowed in the evaluation of tenders shall not be allowed for contracts not exceeding one year (12 months).
- 6.9 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 6.10 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.
- 6.11 Contract price variations shall not be allowed for contracts not exceeding one year (12 months).
- 6.12 Where contract price variation is allowed, the variation shall not exceed 20% of the original contract price.
- 6.13 Price variation request shall be processed by the procuring entity within 30 days of receiving the request.

- 6.14 Kenya Medical Supplies Authority may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.15 Kenya Medical Supplies Authority 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.
- 6.17 A tenderer who gives false information in the tender document about its 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.

7

Corrupt and Fraudulent practices

- 7.1 Kenya Medical Supplies Authority requires that tenderers observe the highest standards of ethics during procurement process and execution of contracts. A tenderer shall sign a declaration that he has not and will not be involved in corrupt and fraudulent practices.

APPENDIX TO INSTRUCTIONS TO TENDERERS

APPENDIX TO INSTRUCTIONS TO TENDERERS

The following information for procurement of services shall complement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provisions 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.

SECTION III

TENDER EVALUATION CRITERIA

(a) Tender Evaluation Criteria

The following criteria will be used in the evaluation of all bids. The submission of the required documents will be used in the determination of the Completeness and Suitability of the Bid. Bids that do not contain all the information required will be declared non responsive and shall not be evaluated further.

1.1 Stage I – Mandatory Requirements

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

- a) Certificate of Registration/Incorporation *(Applicable to all Bidders)*
- b) Valid & Current Registration with **National Construction Authority (NCA 6 and above)** – *Lift Works*
- c) Valid & Current Registration with **Energy Regulatory Commission (ERC Class A-1)** - *(Applicable to Lift Bidders)*
- d) Manuals and Materials Certificates as described in the Tables attached and Bills of Quantities - *(Applicable to all Bidders)*
- e) Valid Tax Compliance Certificate - *(Applicable to all Bidders)*
- f) Valid Tender Security of 150 days - *(Applicable to all Bidders)*
- g) Duly Signed Anti-Corruption declaration form - *(Applicable to all Bidders)*
- h) Duly signed non-Debarment declaration form - *(Applicable to all Bidders)*
- i) Pagination / Serialization of Tender Document - *(Applicable to all Bidders)*
- j) Duly signed form of Tender - *(Applicable to all Bidders)*
- k) Certificate of Site visit duly Signed and stamped by the procuring entity - *(Applicable to all Bidders)*
- l) Compliance with Technical Specifications - **Note: Tender Evaluation Committee to carry out analysis showing how decision on this requirement has been arrived at and attach analysis on this as an Appendix.** *(Applicable to all Bidders)*

To supply equipment's/items which comply with the technical specifications set out in the bid document. In this regard, the bidders shall be required to submit relevant technical brochures/catalogues with the tender document, highlighting the Catalogue Numbers of the proposed items. Such brochures/catalogues should indicate comprehensive relevant data of the proposed equipment/items which should include but not limited to the following:

- (vi) Standards of manufacture;

- (vii) Performance ratings/characteristics;
- (viii) Material of manufacture;
- (ix) Electrical power ratings; and
- (x) Any other necessary requirements (Specify).

A tenderer who fails to meet the mandatory requirements shall be disqualified from further evaluation.

STAGE 2: TECHNICAL EVALUATION

The tender document shall be examined based on clause 2.2 of the Instruction to Tenderers which states as follows:

In accordance with clause 2.2 of Instruction to Tenderers, the tenderers will be required to provide evidence for eligibility of the award of the tender by satisfying the employer of their eligibility under sub clause 2.1 of Instructions to Tenderers and their capability and adequacy of resources to effectively carry out the subject contract.

In order to comply with provisions of clause 2.2 of Instruction to tenderers, the tenderers shall be required;

- a) *To fill the Standard Forms provided in the bid document for the purposes of providing the required information. The tenderers may also attach the required information if they so desire;*
- b) *To supply equipment's/items which comply with the technical specifications set out in the bid document. In this regard, the bidders shall be required to submit relevant technical brochures/catalogues with the tender document, highlighting the Catalogue Numbers of the proposed items. Such brochures/catalogues should indicate comprehensive relevant data of the proposed equipment/items which should include but not limited to the following:*
 - (xi) Standards of manufacture;
 - (xii) Performance ratings/characteristics;
 - (xiii) Material of manufacture;
 - (xiv) Electrical power ratings; and
 - (xv) Any other necessary requirements (Specify).

The bid will then be analyzed, using the information in the technical brochures, to determine compliance with General and Particular technical specifications for the works as indicated in the tender document. The tenderer shall also fill in the Technical Schedule as specified in the tender

document for Equipment and Items indicating the Country of Origin, Model/Make/Manufacturer and catalogue numbers of the Items/Equipment’s they propose to supply.

1.2 Stage II -Technical Evaluation

The award of points considered in this section shall be as shown below:

| <u>PARAMETER</u> | <u>MAXIMUM POINTS</u> |
|---|-----------------------|
| (i) Presentation of Bid document ----- | 2 |
| (ii) Key personnel ----- | 27 |
| (iii) Contract Completed in the last Five (5) years ----- | 12 |
| (iv) Schedules of contractor’s equipment ----- | 23 |
| (v) Audited Financial Report for the last 3 years ----- | 15 |
| (vi) Evidence of Financial Resources ----- | 15 |
| (vii) Litigation History ----- | 1 |
| (viii) Work Program ----- | 5 |
| TOTAL | 100 |

A bidder scoring less than 75% shall not be considered Technically responsive and therefore shall not be considered for financial evaluation.

The detailed scoring plan shall be as shown in table 1.

The detailed scoring plan shall be as shown in table 1 below: -

stage II : Technical Evaluation

| Item | Description | Raw Points Scored | Max. Point |
|------|--|-------------------|------------|
| 1 | Presentation and response (This include binding the documents, neat presentation, separation and arrangement of requested information and general response to all requirements) | | 2 |
| 2 | Key Personnel (Attach evidence) | | |
| | Director of the firm (one Director Only) | | |
| | <ul style="list-style-type: none"> • Holder of degree in relevant field -----4 Mks • Holder of diploma in relevant field -----3Mks • Holder of certificate in relevant Engineering field---- 2Mks • Others)-----1Mks | | 4 |
| | 2No. degree/diploma holders of key personnel in relevant field | | |
| | <ul style="list-style-type: none"> • With over 10 years relevant experience ----3Mks each • With over 5 years relevant experience-----2Mks each • With under 5 years relevant experience ----1Mks each | | 6 |

| | | | | |
|------------|---|--|-----------|-----------|
| | <p>3 No certificate holder of key personnel in relevant field</p> <ul style="list-style-type: none"> • With over 10 years relevant experience---3 Mks each • With over 5 years relevant experience ----2 Mks each • With under 5 years relevant experience ---1 Mks each | | 9 | 27 |
| | <p>4 No artisan (trade test certificate in relevant field)</p> <ul style="list-style-type: none"> • Artisan with over 10 years relevant experience -- 2Mks each • Artisan with under 10 years relevant experience --1Mks each | | 8 | |
| 3 | <p>Contract completed in the last Ten (10) years <u>Provide Evidence</u> 2 projects of similar nature / complexity and magnitude (a) Above Kshs.20. Million ----- 6 Mks for each project (b) Kshs 10 million – 19 million----- 4 Mks for each project (c) Kshs 5 million – 9 million ----- 2 Mks for each project</p> | | | 12 |
| 4 | <p>Schedule of contractor’s equipment and transport (proof or evidence of ownership/Lease)</p> <p>a) Relevant Transport</p> <ul style="list-style-type: none"> • 2No. Trucks -----2Mks for each • 2No. Pickups -----2Mks for each <p>b) Equipment’s/tools</p> <ul style="list-style-type: none"> • PPE Equipment’s-----2mks • Manufactures Recommended Tools (Evidence to be provided) -----3mks <p>c) Vertical transport</p> <ul style="list-style-type: none"> • 1No. Crane / Hoist 10T min -----5mk for each • 1No. Crane / Hoist 0.5T min -----5mk for each | | | 23 |
| 5 | <p>Financial report</p> <p>a) Audited financial report (last three (3) years)</p> <ul style="list-style-type: none"> • Provide Audited Accounts for 2019, 2020, 2021 -----3Mks • Average Annual Turn-over equal to or greater than the annual Expected Turnover of the project ----- 12mks • Average Annual Turn-over above 50% but below 100% of the cost of the project -----6Mks • Average Annual Turn-over below 50% of the cost of the project --- ----- 3Mks <p>b) Evidence of Financial Resources (cash in hand, lines of credit, over draft facility, etc.)</p> <ul style="list-style-type: none"> • Has financial resources to finance the projected monthly cash flow* for three months -----15Mks • Has financial resources equal to the projected monthly cash flow*-- -----10Mks • Has financial resources less the projected monthly cash flow*----- -----5Mks Has not indicated sources of financial resources -----0Mks | | 15 | 30 |
| vii | <p>Litigation History</p> <ul style="list-style-type: none"> • Duly Filled ----- 1Mks • Not filled -----0Mks | | | 1 |

| | | | |
|----|---|--|------------|
| xi | <p>Work Program</p> <p>d) Provide Detailed Work program from site possession to completion of works----- 5Mks</p> <p><i>The Program must be accompanied with supporting document such as manufacturing timeline from the manufacturer, Work methodology etc. otherwise it will be left at the discretion of the tender evaluators</i></p> | | 5 |
| | TOTAL | | 100 |

**Monthly Cash Flow = Tender Sum/Contract Period*

A bidder must score at least 75% total marks to qualify for further evaluation. (Score 75/100). The Technical Score will be weighted to 70.

A) Assessment of deviations

Pursuant to section 64 of the act, a tender is deemed responsive if it conforms to all the mandatory requirements and it **does not contain major** deviations. Section 23.2 of the instruction to tenderers, defines major deviations as

- a) One that affects in a substantial way the scope, quality, completion timing, administration of works to be undertaken by the tenderer under the contract, inconsistent with the tender document; or
- b) Which limits in any substantial way the rights of the employer or the tenderers obligations; or
- c) Whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.

Where the deviations are minor in the view of the tender committee, with the concurrence of the procuring entity representative, the evaluation committee shall quantify such deviations pursuant to section 64 (3) of the act which requires that a minor deviation shall:

- a) Be quantified to the extent possible; and
- b) Be taken into account in the evaluation and comparison of tenders.

Where the deviation in the view of the tender committee with the concurrence of the procuring entity representative is major, the tender shall be deemed **non-responsive and will not be evaluated further**

STAGE 3 - FINANCIAL EVALUATION

Upon completion of the technical evaluation, a detailed financial evaluation shall follow.

The evaluation shall be in **three stages**

- a) Determination of Arithmetic errors
- b) Comparison of Rates; and
- c) Consistency of the Rates.

A) Determination of Arithmetic Errors

Arithmetic Errors will be corrected by the Procuring Entity as follows:

- i) In the event of a discrepancy between the tender amount as stated in the form of Tender and the corrected tender figure in the Main summary of the Bills of Quantities, the amount as stated in the Form of Tender shall prevail. Pursuant to Section 82 of the Public Procurement and Asset Disposal Act 2015, the tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity;
- ii) Error correction factor shall be computed by expressing the difference between the amount and the corrected tender sum as a percentage of the corrected contract works (i.e. corrected tender sum less P.C; and Provisional Sums);
- iii) The Error correction factor shall be applied to all contract works (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.

B) Comparison of rates

Items that are underpriced or overpriced may indicate potential for non-delivery and front loading respectively. The committee shall promptly write to the tenderer asking for detailed breakdown of costs for any of the quoted items, relationship between those prices, proposed construction/installation methods and schedules.

The evaluation committee shall evaluate the responses and make an appropriate recommendation to the procuring entity giving necessary evidence. Such recommendations may include but not limited to:

- a) Recommend no adverse action to the tenderer after a convincing response;
- b) Employer requiring that the amount of the performance bond be raised at the expense of the successful tenderer to a level sufficient to protect the employer against potential financial losses;
- c) Recommend non-award based on the response provided and the available demonstrable evidence that the scope, quality, completion timing, administration of works to be undertaken by the tenderer, would adversely be affected or the rights of the employer or the tenderers obligations would be limited in a substantial way.

C) Consistency of the Rates

The evaluation committee will compare the consistency of rates for similar items and note all

inconsistencies of the rates for similar items.

FINANCIAL EVALUATION

The Tenderers who qualify under Technical Evaluation will have their Financial Bid evaluated and the lowest responsive bid submitted after analysis shall have their tender considered for award.

SECTION IV

CONDITIONS OF MAIN CONTRACT

GENERAL CONDITIONS OF CONTRACT

1 Definitions

1.1 In this Contract, except where context otherwise requires, the following terms shall be interpreted as indicated;

“**Bill of Quantities**” means the priced and completed Bill of Quantities forming part of the tender.

“**Compensation Events**” are those defined in Clause 24 hereunder.

“**The Completion Date**” means the date of completion of the Works as certified by the Project Manager, in accordance with Clause 31.

“**The Contract**” means the agreement entered into between the Kenya Medical Supplies Authority and the Contractor as recorded in the Agreement Form and signed by the parties including all attachments and appendices thereto and all documents incorporated by reference therein to execute, complete, and maintain the Works,

“**The Contractor**” refers to the person or corporate body whose tender to carry out the Works has been accepted by Kenya Medical Supplies Authority

“**The Contractor’s Tender**” is the completed tendering document submitted by the Contractor to Kenya Medical Supplies Authority

“**The Contract Price**” is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

“**Days**” are calendar days; “**Months**” are calendar months.

“**A Defect**” is any part of the Works not completed in accordance with the Contract.

“**The Defects Liability Certificate**” is the certificate issued by Project Manager upon correction of defects by the Contractor.

“**The Defects Liability Period**” is the period named in the Contract Data and calculated from the Completion Date.

“**Drawings**” include calculations and other information provided or approved by the Project Manager for the execution of the Contract.

“**Dayworks**” are Work inputs subject to payment on a time basis for labour and the associated materials and plant.

“**Employer**”, or the “**Procuring entity**” as defined in the Public Procurement Regulations (i.e. National or County Government administration, Universities, Public Institutions and Corporations, etc) is the party who employs the Contractor to carry out the Works.

“**Equipment**” is the Contractor’s machinery and vehicles brought temporarily to the Site for the execution of the Works.

“**The Intended Completion Date**” is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.

“**Materials**” are all supplies, including consumables, used by the Contractor for incorporation in the Works.

“**Plant**” is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.

“**Project Manager**” is the person named in the Appendix to Conditions of Contract (or any other competent person appointed by the Kenya Medical Supplies Authority and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract and shall be an “Architect” or a “Quantity Surveyor” registered under the Architects and Quantity Surveyors Act Cap 525 or an “Engineer” registered under Engineers Registration Act Cap 530.

“**Site**” is the area defined as such in the Appendix to Condition of Contract.

“**Site Investigation Reports**” are those reports that may be included in the tendering documents which are factual and interpretative about the surface and subsurface conditions at the Site.

“**Specifications**” means the Specifications of the Works included in the Contract and any modification or addition made or approved by the Project Manager.

“**Start Date**” is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with the Site possession date(s).

“**A Subcontractor**” is a person or corporate body who has a Contract with the Contractor to carry out a part of the Work in the Contract, which includes Work on the Site.

“**Temporary works**” are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

“**A Variation**” is an instruction given by the Project Manager which varies the Works.

“**The Works**” are what the Contract requires the Contractor to construct, install, and turnover to Kenya Medical Supplies Authority, as defined in the Appendix to Conditions of Contract.

2 Interpretation

- 2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning in English Language unless

specifically defined. The Project Manager will provide instructions clarifying queries about these Conditions of Contract.

- 2.2 If sectional completion is specified in the Appendix to Conditions of Contract, reference in the Conditions of Contract to the Works, the Completion Date and the Intended Completion Date apply to any section of the Works (other than references to the Intended Completion Date for the whole of the Works).
- 2.3 The following documents shall constitute the Contract documents and shall be interpreted in the following order of priority;
 - a) Agreement,
 - b) Letter of Acceptance,
 - c) Contractor's Tender,
 - d) Appendix to Conditions of Contract,
 - e) Conditions of Contract,
 - f) Specifications,
 - g) Drawings,
 - h) Bill of Quantities,
 - i) Any other documents listed in the Appendix to Conditions of Contract as forming part of the Contract.

Immediately after the execution of the Contract, the Project Manager shall furnish both Kenya Medical Supplies Authority and the Contractor with two copies each of all the Contract documents. Further, as and when necessary the Project Manager shall furnish the Contractor [always with a copy to the Kenya Medical Supplies Authority] with three [3] copies of such further drawings or details or descriptive schedules as are reasonably necessary either to explain or amplify the Contract drawings or to enable the Contractor to carry out and complete the Works in accordance with these Conditions.

3 Language and Law

- 3.1 Language of the Contract and the law governing the Contract shall be English language and the Laws of Kenya respectively unless otherwise stated.

4 Project Manager's Decisions

- 4.1 Except where otherwise specifically stated, the Project Manager will decide contractual matters between Kenya Medical Supplies Authority and the Contractor in the role representing the Kenya Medical Supplies Authority.

5 Delegation

- 5.1 The Project Manager may delegate any of his duties and responsibilities to others after notifying the Contractor.

6 Communications

- 6.1 Communication between parties shall be effective only when in writing. A notice shall be effective only when it is delivered.

7 Subcontracting

- 7.1 The Contractor may subcontract with the approval of the Project Manager, but may not assign the Contract without the approval of Kenya Medical Supplies Authority in writing. Subcontracting shall not alter the Contractor's obligations.

8 Other Contractors

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities etc. as listed in the Appendix to Conditions of Contract and also with the Kenya Medical Supplies Authority, as per the directions of the Project Manager. The Contractor shall also provide facilities and services for them. Kenya Medical Supplies Authority may modify the said List of Other Contractors etc., and shall notify the Contractor of any such modification.

9 Personnel

- 9.1 The Contractor shall employ the key personnel named in the Qualification Information, to carry out the functions stated in the said Information or other personnel approved by the Project Manager. The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are substantially equal to or better than those of the personnel listed in the Qualification Information. If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the Work in the Contract.

10 Works

- 10.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings. The Works may commence on the Start Date and shall be carried out in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.

11 Safety and Temporary Works

- 11.1 The Contractor shall be responsible for the design of temporary works. However before erecting the same, he shall submit his designs including specifications and drawings to the Project Manager and to any other relevant third parties for their approval. No erection of temporary works shall be done until such approvals are obtained.
- 11.2 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary works and all drawings prepared by the Contractor for the execution of the temporary or permanent Works, shall be subject to prior approval by the Project Manager before they can be used.
- 11.3 The Contractor shall be responsible for the safety of all activities on the Site.

12 Discoveries

- 12.1 Anything of historical or other interest or of significant value unexpectedly discovered on Site shall be the property of Kenya Medical Supplies Authority. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.

13 Work Program

- 13.1 Within the time stated in the Appendix to Conditions of Contract, the Contractor shall submit to the Project Manager for approval a program showing the general methods, arrangements, order, and timing for all the activities in the Works. An update of the program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining Work, including any changes to the sequence of the activities.

The Contractor shall submit to the Project Manager for approval an updated program at intervals no longer than the period stated in the Appendix to Conditions of Contract. If the Contractor does not submit an updated program within this period, the Project Manager may withhold the amount stated in the said Appendix from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue program has been submitted. The Project Manager's approval of the program shall not alter the Contractor's obligations. The Contractor may revise the program and submit it to the Project Manager again at any time. A revised program shall show the effect of Variations and Compensation Events.

14 Possession of Site

- 14.1 Kenya Medical Supplies Authority shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Appendix to Conditions of Contract, Kenya Medical Supplies Authority will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event.

15 Access to Site

- 15.1 The Contractor shall allow the Project Manager and any other person authorised by the Project Manager, access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.

16. Instructions

- 16.1 The Contractor shall carry out all instructions of the Project Manager which are in accordance with the Contract.
- 16.2 If within seven days after receipt of a written notice from the Project Manager requiring compliance with Project Manager's instructions the Contractor does not comply therewith, the Kenya Medical Supplies Authority may employ and pay other persons to execute any work whatsoever which may be necessary to give effect to such instructions and all costs incurred in connection therewith shall be recoverable from the Contractor by the Employer as a debt or may be deducted by the Project Manager from any moneys due or to become due to the Contractor.

under this Contract

17 Extension or Acceleration of Completion Date

- 17.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining Work, which would cause the Contractor to incur additional cost. The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager in writing for a decision upon the effect of a Compensation Event or variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay caused by such failure shall not be considered in assessing the new (extended) Completion Date.
- 17.2 No bonus for early completion of the Works shall be paid to the Contractor by the Employer.

18 Management Meetings

- 18.1 A Contract management meeting shall be held monthly and attended by the Project Manager and the Contractor. Its business shall be to review the plans for the remaining Work and to deal with matters raised in accordance with the early warning procedure. The Project Manager shall record the minutes of management meetings and provide copies of the same to those attending the meeting and the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

19 Early Warning

- 19.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the Work, increase the Contract Price or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 19.2 The Contractor shall cooperate with the Project Manager in making and considering proposals on how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the Work and in carrying out any resulting instructions of the Project Manager.

20 Defects

- 20.1 The Project Manager shall inspect the Contractor's work and notify the Contractor of any defects that are found. Such inspection shall not affect the Contractor's responsibilities. The Project Manager may instruct the Contractor to search for a defect and to uncover and test any Work that the Project Manager considers may have a defect. Should the defect be found, the cost of uncovering and making good shall be borne by the Contractor, However, if there is no defect found, the cost of uncovering and making good shall be treated as a variation and added to the Contract Price.
- 20.2 The Project Manager shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the Appendix to Conditions of Contract. The Defects Liability Period shall be extended for as long as defects remain to be corrected.
- 20.3 Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified by the Project Manager's notice. If the Contractor has not corrected a defect within the time specified in the Project Manager's notice, the Project Manager will assess the cost of having the defect corrected by other parties and such cost shall be treated as a variation and be deducted from the Contract Price.

21 Bills of Quantities

- 21.1 The Bills of Quantities shall contain items for the construction, installation, testing and commissioning of the Work to be done by the Contractor. The Contractor will be paid for the quantity of the Work done at the rate in the Bills of Quantities for each item.
- 21.2 If the final quantity of the Work done differs from the quantity in the Bills of Quantities for the particular item by more than 25 percent and provided the change exceeds 1 percent of the Initial Contract price, the Project Manager shall adjust the rate to allow for the change.
- 21.3 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bills of Quantities.

22 Variations

- 22.1 All variations shall be included in updated programs produced by the Contractor.
- 22.2 The Contractor shall provide the Project Manager with a quotation for carrying out the variations when requested to do so. The Project Manager shall assess the quotation, which shall be given within seven days of the request or within any longer period as may be stated by the Project Manager and before the Variation is ordered.

- 22.3 If the work in the variation corresponds with an item description in the Bills of Quantities and if in the opinion of the Project Manager, the quantity of work is not above the limit stated in Clause 21.2 or the timing of its execution does not cause the cost per unit of quantity to change, the rate in the Bills of Quantities shall be used to calculate the value of the variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the variation does not correspond with items in the Bills of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.
- 22.4 If the Contractor's quotation is unreasonable, the Project Manager may order the variation and make a change to the Contract price, which shall be based on the Project Manager's own forecast of the effects of the variation on the Contractor's costs.
- 22.5 If the Project Manager decides that the urgency of varying the Work would prevent a quotation being given and considered without delaying the Work, no quotation shall be given and the variation shall be treated as a Compensation Event.
- 22.6 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.
- 22.7 When the Program is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast.

23 Payment Certificates, Currency of Payments and Advance Payments

- 23.1 The Contractor shall submit to the Project Manager monthly applications for payment giving sufficient details of the Work done and materials on Site and the amounts which the Contractor considers himself to be entitled to. The Project Manager shall check the monthly application and certify the amount to be paid to the Contractor within 14 days. The value of Work executed and payable shall be determined by the Project Manager.
- 23.2 The value of Work executed shall comprise the value of the quantities of the items in the Bills of Quantities completed, materials delivered on Site, variations and compensation events. Such materials shall become the property of Kenya Medical Supplies Authority once Kenya Medical Supplies Authority has paid the Contractor for their value .Thereafter, they shall not be removed from Site without the Project Manager's instructions except for use upon the Works.
- 23.3 Payments shall be adjusted for deductions for retention. Kenya Medical Supplies Authority shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of issue of each certificate. If Kenya Medical Supplies Authority makes a late payment, the Contractor shall be paid simple interest on the late payment in the next payment. Interest shall be calculated on the basis of number of days delayed at a rate three percentage points above the Central Bank of Kenya's average rate for base lending prevailing as of the first day the payment becomes overdue.
- 23.4 If an amount certified is increased in a later certificate or as a result of an award by an Arbitrator, the Contractor shall be paid interest upon the delayed payment

as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.

- 23.5 Items of the Works for which no rate or price has been entered in will not be paid for by Kenya Medical Supplies Authority and shall be deemed covered by other rates and prices in the Contract.
- 23.6 The Contract Price shall be stated in Kenya Shillings. All payments to the Contractor shall be made in Kenya Shillings and foreign currency in the proportion indicated in the tender, or agreed prior to the execution of the Contract Agreement and indicated therein. The rate of exchange for the calculation of the amount of foreign currency payment shall be the rate of exchange indicated in the Appendix to Conditions of Contract. If the Contractor indicated foreign currencies for payment other than the currencies of the countries of origin of related goods and services Kenya Medical Supplies Authority reserves the right to pay the equivalent at the time of payment in the currencies of the countries of such goods and services. Kenya Medical Supplies Authority and the Project Manager shall be notified promptly by the Contractor of an changes in the expected foreign currency requirements of the Contractor during the execution of the Works as indicated in the Schedule of Foreign Currency Requirements and the foreign and local currency portions of the balance of the Contract Price shall then be amended by agreement between Kenya Medical Supplies Authority and the Contractor in order to reflect appropriately such changes.

- 23.7 In the event that an advance payment is granted, the following shall apply:-
- a) On signature of the Contract, the Contractor shall at his request, and without furnishing proof of expenditure, be entitled to an advance of 10% (ten percent) of the original amount of the Contract. The advance shall not be subject to retention money.
 - b) No advance payment may be made before the Contractor has submitted proof of the establishment of deposit or a directly liable guarantee satisfactory to Kenya Medical Supplies Authority in the amount of the advance payment. The guarantee shall be in the same currency as the advance.
 - c) Reimbursement of the lump sum advance shall be made by deductions from the Interim payments and where applicable from the balance owing to the Contractor. Reimbursement shall begin when the amount of the sums due under the Contract reaches 20% of the original amount of the Contract. It shall have been completed by the time 80% of this amount is reached.

The amount to be repaid by way of successive deductions shall be calculated by means of the formula:

$$R = \frac{A(x^1 - x^{11})}{80 - 20}$$

Where:

R =the amount to be reimbursed

- A = the amount of the advance which has been granted
- X^1 = the amount of proposed cumulative payments as a percentage of the original amount of the Contract. This figure will exceed 20% but not exceed 80%.
- X'^1 = the amount of the previous cumulative payments as a percentage of the original amount of the Contract. This figure will be below 80% but not less than 20%.
- d) with each reimbursement the counterpart of the directly liable guarantee may be reduced accordingly.

24 Compensation Events

24.1 The following issues shall constitute Compensation Events:

- (a) Kenya Medical Supplies Authority does not give access to a part of the Site by the Site Possession Date stated in the Appendix to Conditions of Contract.
- (b) Kenya Medical Supplies Authority modifies the List of Other Contractors, etc., in a way that affects the Work of the Contractor under the Contract.
- (c) The Project Manager orders a delay or does not issue drawings, specifications or instructions required for execution of the Works on time.
- (d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon the Work, which is then found to have no defects.
- (e) The Project Manager unreasonably does not approve a subcontract to be let.
- (f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to tenderers (including the Site investigation reports), from information available publicly and from a visual inspection of the Site.
- (g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by Kenya Medical Supplies Authority or additional work required for safety or other reasons.
- (h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- (i) The effects on the Contractor of any of Kenya Medical Supplies Authority risks.
- (j) The Project Manager unreasonably delays issuing a Certificate of Completion.
- (k) Other compensation events described in the Contract or determined by the Project Manager shall apply.

- 24.2 If a compensation event would cause additional cost or would prevent the Work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
- 24.3 As soon as information demonstrating the effect of each compensation event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager will assume that the Contractor will react competently and promptly to the event.
- 24.4 The Contractor shall not be entitled to compensation to the extent that Kenya Medical Supplies Authority's interests are adversely affected by the Contractor not having given early warning or not having co-operated with the Project Manager.
- 24.5 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the Appendix to Conditions of Contract.
- 24.6 The Contractor shall give written notice to the Project Manager of his intention to make a claim within thirty days after the event giving rise to the claim has first arisen. The claim shall be submitted within thirty days thereafter.
- Provided always that should the event giving rise to the claim of continuing effect, the Contractor shall submit an interim claim within the said thirty days and a final claim within thirty days of the end of the event giving rise to the claim.

25 Price Adjustment

- 25.1 The Project Manager shall adjust the Contract Price if taxes, duties and other levies are changed between the date 30 days before the submission of tenders for the Contract and the date of Completion. The adjustment shall be the change in the amount of tax payable by the Contractor.
- 25.2 The Contract Price shall be deemed to be based on exchange rates current at the date of tender submission in calculating the cost to the Contractor of materials to be specifically imported (by express provisions in the Contract Bills of Quantities or Specifications) for permanent incorporation in the Works. Unless otherwise stated in the Contract, if at any time during the period of the Contract exchange rates shall be varied and this shall affect the cost to the Contractor of such materials, then the Project Manager shall assess the net difference in the cost of such materials. Any amount from time to time so assessed shall be added to or deducted from the Contract Price, as the case may be.
- 25.3 Unless otherwise stated in the Contract, the Contract Price shall be deemed to have been calculated in the manner set out below and in sub-clauses 25.4 and

25.5 and shall be subject to adjustment in the events specified thereunder;

- (i) The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the rates of wages and other emoluments and expenses as determined by the Joint Building Council of Kenya (J.B.C.) and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.
- (ii) Upon J.B.C. determining that any of the said rates of wages or other emoluments and expenses are increased or decreased, then the Contract Price shall be increased or decreased by the amount assessed by the Project Manager based upon the difference, expressed as a percentage, between the rate set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of labour incorporated within the amount of Work remaining to be executed at the date of publication of such increase or decrease.
- (iii) No adjustment shall be made in respect of changes in the rates of wages and other emoluments and expenses which occur after the date of Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.

25.4 The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the basic prices of materials to be permanently incorporated in the Works as determined by the J.B.C. and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.

25.5 Upon the J.B.C. determining that any of the said basic prices are increased or decreased then the Contract Price shall be increased or decreased by the amount to be assessed by the Project Manager based upon the difference between the price set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of the relevant materials which have not been taken into account in arriving at the amount of any interim certificate under clause 23 of these Conditions issued before the date of publication of such increase or decrease.

25.6 No adjustment shall be made in respect of changes in basic prices of materials which occur after the date for Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.

25.7 The provisions of sub-clause 25.1 to 25.2 herein shall not apply in respect of any materials included in the schedule of basic rates.

26 Retention

26.1 Kenya Medical Supplies Authority shall retain from each payment due to the Contractor the proportion stated in the Appendix to Conditions of Contract until Completion of the whole of the Works. On Completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor and the remaining half when the Defects Liability Period has passed and the Project Manager has certified that all defects notified to the Contractor before the end of this period have been corrected.

27 Liquidated Damages

27.1 The Contractor shall pay liquidated damages to Kenya Medical Supplies Authority at the rate stated in the Appendix to Conditions of Contract for each day that the actual Completion Date is later than the Intended Completion Date. Kenya Medical Supplies Authority may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not alter the Contractor's liabilities.

27.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rate specified in Clause 23.30.

28 Securities

28.1 The Performance Security shall be provided to Kenya Medical Supplies Authority no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a reputable bank acceptable to Kenya Medical Supplies Authority, and denominated in Kenya Shillings. The Performance Security shall be valid until a date 30 days beyond the date of issue of the Certificate of Completion.

29 Dayworks

29.1 If applicable, the Dayworks rates in the Contractor's tender shall be used for small additional amounts of Work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.

29.2 All work to be paid for as Dayworks shall be recorded by the Contractor on Forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the Work being done.

29.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

30 Liability and Insurance

- 30.1 From the Start Date until the Defects Correction Certificate has been issued, the following are the Employer's risks:
- (a) The risk of personal injury, death or loss of or damage to property (excluding the Works, Plant, Materials and Equipment), which are due to;
 - (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works, or
 - (ii) negligence, breach of statutory duty or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.
 - (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault Kenya Medical Supplies Authority or in Kenya Medical Supplies Authority's design, or due to war or radioactive contamination directly affecting the place where the Works are being executed.
- 30.2 From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is the Employer's risk except loss or damage due to;
- (a) a defect which existed on or before the Completion Date.
 - (b) an event occurring before the Completion Date, which was not itself the Kenya Medical Supplies Authority's risk
 - (c) the activities of the Contractor on the Site after the Completion Date.
- 30.3 From the Start Date until the Defects Correction Certificate has been issued, the risks of personal injury, death and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Kenya Medical Supplies Authority's risk are Contractor's risks.

The Contractor shall provide, in the joint names of Kenya Medical Supplies Authority and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts stated in the Appendix to Conditions of Contract for the following events;

- (a) loss of or damage to the Works, Plant, and Materials;
- (b) loss of or damage to Equipment;
- (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract, and
- (d) personal injury or death.

- 30.4 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager’s approval before the Start Date. All such insurance shall provide for compensation required to rectify the loss or damage incurred.
- 30.5 If the Contractor does not provide any of the policies and certificates required, Kenya Medical Supplies Authority may effect the insurance which the Contractor should have provided and recover the premiums from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.
- 30.6 Alterations to the terms of insurance shall not be made without the approval of the Project Manager. Both parties shall comply with any conditions of insurance policies.

31 Completion and Taking Over

- 31.1 Upon deciding that the Works are complete, the Contractor shall issue a written request to the Project Manager to issue a Certificate of Completion of the Works. Kenya Medical Supplies Authority shall take over the Site and the Works within seven [7] days of the Project Manager’s issuing a Certificate of Completion.

32 Final Account

- 32.1 The Contractor shall issue the Project Manager with a detailed account of the total amount that the Contractor considers payable to him by Kenya Medical Supplies Authority under the Contract before the end of the Defects Liability Period. The Project Manager shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 30 days of receiving the Contractor’s account if it is correct and complete. If it is not, the Project Manager shall issue within 30 days a schedule that states the scope of the corrections or additions that are necessary. If the final account is still unsatisfactory after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a Payment Certificate. Kenya Medical Supplies Authority shall pay the Contractor the amount due in the Final Certificate within 60 days.

33 Termination

- 33.1 Kenya Medical Supplies Authority or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. These fundamental breaches of Contract shall include, but shall not be limited to, the following;
- (a) the Contractor stops work for 30 days when no stoppage of work is shown on the current program and the stoppage has not been authorized by the Project Manager;
 - (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 30 days;
 - (c) the Contractor is declared bankrupt or goes into liquidation other than for a

reconstruction or amalgamation;

- (d) a payment certified by the Project Manager is not paid by Kenya Medical Supplies Authority to the Contractor within 30 days (for Interim Certificate) or 60 days (for Final Certificate) of issue.
- (e) the Project Manager gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;
- (f) the Contractor does not maintain a security, which is required.

33.2 When either party to the Contract gives notice of a breach of Contract to the Project Manager for a cause other than those listed under Clause 33.1 above, the Project Manager shall decide whether the breach is fundamental or not.

33.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.

33.4 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible. The Project Manager shall immediately thereafter arrange for a meeting for the purpose of taking record of the Works executed and materials, goods, equipment and temporary buildings on Site.

34 Payment Upon Termination

34.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the Work done and materials ordered and delivered to Site up to the date of the issue of the certificate. Additional liquidated damages shall not apply. If the total amount due to fundamental breaches of Contract shall include, but shall not be limited to, the following; exceeds any payment due to the Contractor, the difference shall be a debt payable by the Contractor.

34.2 If the Contract is terminated for the Kenya Medical Supplies Authority convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the Work done, materials ordered, the reasonable cost of removal of equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works.

34.3 Kenya Medical Supplies Authority may employ and pay other persons to carry out and complete the Works and to rectify any defects and may enter upon the Works and use all materials on the Site, plant, equipment and temporary works.

34.4 The Contractor shall, during the execution or after the completion of the Works under this clause remove from the Site as and when required, within such reasonable time as the Project Manager may in writing specify, any temporary buildings, plant, machinery, appliances, goods or materials belonging to or hired by him, and in default Kenya Medical Supplies Authority may (without being responsible for any loss or damage) remove and sell any such property of the Contractor, holding the proceeds less all costs incurred to the credit of the

Contractor.

Until after completion of the Works under this clause Kenya Medical Supplies Authority shall not be bound by any other provision of this Contract to make any payment to the Contractor, but upon such completion as aforesaid and the verification within a reasonable time of the accounts therefore the Project Manager shall certify the amount of expenses properly incurred by Kenya Medical Supplies Authority and, if such amount added to the money paid to the Contractor before such determination exceeds the total amount which would have been payable on due completion in accordance with this Contract the difference shall be a debt payable to the Employer by the Contractor; and if the said amount added to the said money be less than the said total amount, the difference shall be a debt payable by Kenya Medical Supplies Authority to the Contractor.

35 Release from Performance

- 35.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either Kenya Medical Supplies Authority or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop Work as quickly as possible after receiving this certificate and shall be paid for all Work carried out before receiving it.

36 Corrupt Gifts and Payments of Commission

- 36.1 The Contractor shall not;
- (a) Offer or give or agree to give to any person in the service of Kenya Medical Supplies Authority any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other Contract for Kenya Medical Supplies Authority or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract for Kenya Medical Supplies Authority.
 - (b) Enter into this or any other contract with the Kenya Medical Supplies Authority in connection with which commission has been paid or agreed to be paid by him or on his behalf or to his knowledge, unless before the Contract is made particulars of any such commission and of the terms and conditions of any agreement for the payment thereof have been disclosed in writing to Kenya Medical Supplies Authority.

Any breach of this Condition by the Contractor or by anyone employed by him or acting on his behalf (whether with or without the knowledge of the Contractor) shall be an offence under the provisions of the Public Procurement Regulations issued under The Exchequer and Audit Act Cap 412 of the Laws of Kenya.

37 Settlement Of Disputes

37.1 In case any dispute or difference shall arise between Kenya Medical Supplies Authority or the Project Manager on his behalf and the Contractor, either during the progress or after the completion or termination of the Works, such dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The dispute shall be referred to the arbitration and final decision of a person to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed by the Chairman or Vice Chairman of any of the following professional institutions;

- (i) Architectural Association of Kenya
- (ii) Institute of Quantity Surveyors of Kenya
- (iii) Association of Consulting Engineers of Kenya
- (iv) Chartered Institute of Arbitrators (Kenya Branch)
- (v) Institution of Engineers of Kenya

On the request of the applying party. The institution written to first by the aggrieved party shall take precedence over all other institutions.

37.2 The arbitration may be on the construction of this Contract or on any matter or thing of whatsoever nature arising thereunder or in connection therewith, including any matter or thing left by this Contract to the discretion of the Project Manager, or the withholding by the Project Manager of any certificate to which the Contractor may claim to be entitled to or the measurement and valuation referred to in clause 23.0 of these conditions, or the rights and liabilities of the parties subsequent to the termination of Contract.

37.3 Provided that no arbitration proceedings shall be commenced on any dispute or difference where notice of a dispute or difference has not been given by the applying party within ninety days of the occurrence or discovery of the matter or issue giving rise to the dispute.

37.4 Notwithstanding the issue of a notice as stated above, the arbitration of such a dispute or difference shall not commence unless an attempt has in the first instance been made by the parties to settle such dispute or difference amicably with or without the assistance of third parties. Proof of such attempt shall be required.

37.5 Notwithstanding anything stated herein the following matters may be referred to arbitration before the practical completion of the Works or abandonment of the Works or termination of the Contract by either party:

- (a) The appointment of a replacement Project Manager upon the said person ceasing to act.

- (b) Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.
 - (c) Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.
 - (d) Any dispute or difference arising in respect of war risks or war damage.
- 37.6 All other matters shall only be referred to arbitration after the completion or alleged completion of the Works or termination or alleged termination of the Contract, unless Kenya Medical Supplies Authority and the Contractor agree otherwise in writing.
- 37.7 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, tests or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any certificate.
- 37.8 The Arbitrator shall, without prejudice to the generality of his powers, have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision requirement or notice had been given.
- 37.9 The award of such Arbitrator shall be final and binding upon the parties.

SPECIAL CONDITIONS OF CONTRACT

Special conditions of contract shall supplement the general conditions of contract, wherever there is a conflict between the GCC and the SCC, the provisions of the SCC herein shall prevail over those in the GCC.

Special conditions of contracts with reference to the general conditions of contract.

SECTION V
APPENDIX TO CONDITIONS OF CONTRACT
(SUBCONTRACT WORKS)

| | |
|-------------|--|
| 1.00 | <p><u>APPENDIX TO CONDITIONS OF CONTRACT</u></p> <p>THE EMPLOYER IS:-</p> <p>Name: <u>KENYA MEDICAL SUPPLIES AUTHORITY.</u></p> <p>Address: <u>P. O. BOX 47715 - 00100, NAIROBI</u></p> <p>Name of Authorized Representative: <u>THE CHIEF EXECUTIVE OFFICER, KENYA MEDICAL SUPPLIES AUTHORITY</u></p> <p>Telephone:</p> <p>Facsimile:</p> <p>THE PROJECT MANAGER IS:</p> <p>Name: <u>WORKS SECRETARY, MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING AND URBAN DEVELOPMENT, STATE DEPARTMENT OF PUBLIC WORKS</u></p> <p>Address: <u>P. O. BOX 30743 – 00100, NAIROBI</u></p> <p>Telephone: <u>+254 20272 3101</u></p> <p>Facsimile: <u>+254 202724504</u></p> <p>Email: <u>info@publicworks.go.ke</u></p> <p>The name (and identification number) of the Contract is <u>PROPOSED CONSTRUCTION OF KEMSA MODERN WAREHOUSE AND OFFICE BLOCK AT EMBAKASI, NAIROBI - Tender Ref. No GF-KEMSA-CONST -5/OIT6/2017-2018</u></p> <hr/> <p>The works in this contract comprise the construction of :</p> <p>Modern warehouse - 14,680 M²</p> <p>Office block with 1No. basement and 6No. floors – 15,758 M²</p> <p>Flammable goods store – 307 M²</p> <p>Associated Civil and External Works</p> <p>Associated Mechanical and Electrical Services Installations.</p> <p>The Start Date shall be <u>As agreed with the Employers.</u></p> <p>The Intended Completion Period is 130 Weeks for the whole works from the start date.</p> <hr/> <p>The Contractor shall submit a revised program for the Works within <u>Seven days</u> of delivery of the Letter of Acceptance.</p> <p>The Site Possession Date shall be <u>14 days from the date of acceptance letter</u></p> <p>The Site is located in Embakasi, KEMSA Land LR No. 9042/176 Embakasi.</p> <p>The Defects Liability Period is <u>180 days</u> AFTER DATE OF PRACTICAL COMPLETION.</p> |
|-------------|--|

| |
|---|
| <p>Other Contractors, utilities, etc., to be engaged by the Employer on the Site include those for the execution of:</p> <ol style="list-style-type: none">1. <u>None</u>2. “_____”3. “_____”4. “_____” <p>The minimum insurance covers shall be;</p> <ol style="list-style-type: none">1. The minimum cover for insurance of the Works and of plant and Materials in respect of the Contractor’s faulty design is:10% CONTRACT SUM2. The minimum cover for loss or damage to Equipment is:10% CONTRACT SUM3. The minimum for insurance of other property is:10% CONTRACT SUM4. The minimum cover for personal injury or death insurance5. For the Contractor’s employees: AS PER WORKMAN’S COMPENSATION6. And for other people is:5% CONTRACT SUM <p>The following events shall also be Compensation Events: AS STATED IN THE CONDITIONS OF CONTRACT</p> <p>The period between Program updates is <u>30 days</u>.</p> <p>The amount to be withheld for late submission of an updated Program is <u>Full Certificate</u></p> <hr/> <p>The proportion of payments retained is TEN PER CENT (10%) OF CERTIFIED AMOUNT</p> <p>The Limit of retention is FIVE PER CENT (5%) OF CONTRACT SUM</p> <p>The Minimum monthly certificate shall be in the amount of 2% (minimum) of Contract Price / Contract Sum</p> <p>The Price Adjustment Clause SHALL NOT APPLY. THIS IS A FIXED PRICE CONTRACT</p> <p>The liquidated damages for the whole of the Subcontract Works are <u>KENYA SHILLINGS FIVE HUNDRED THOUSAND (KSHS.100,000.00) PER WEEK OR PART THEREOF</u></p> <p>The Performance Security shall be for the following minimum amounts equivalent as a percentage of the Contract Price FIVE PERCENT (5%).</p> <p>The Completion Period for the Works is 130 Weeks</p> <p>Bidders are allowed to bid in any freely convertible currency. The rate of exchange for comparison purpose shall be the CBK rate on the tender opening date.</p> <p>The schedule of basic rates used in pricing by the Contractor is as attached [<i>Contractor to attach</i>].</p> <p>Clause 25.3 (KABCEC clauses) shall not apply. The bidder shall instead quote for prices from material from reputed manufacturers or suppliers for material listed.</p> <p>Advance Payment SHALL NOT be granted. Clause 23.7 is not applicable</p> <p>Special preference shall be given to the construction of the warehouse, flammable goods store, External Works and Civil works. The office block will commence upon satisfactory progression and / or on completion of the warehouse, flammable goods store, External Works and Civil works on Instruction from the Project Manager in consultation with the client. However, the Contractor will not be entitled to claims for loss of profit and other related costs / expenses in relation to delay of commencement office block</p> |
|---|

SECTION VI

STANDARD FORMS

NOTES ON THE SAMPLE FORMS

- 1 *Form of Invitation to Tender* - form to be completed by the Kenya Medical Supplies Authority
- 2 *Form of Tender* - The form of tender must be completed by the tenderer and submitted with the tender documents. It must also be duly signed by duly authorized representatives of the tenderer.
- 3 *Letter of Acceptance* this form letter will be used to communicate the award to the successful tenderer
- 4 *Form of Agreement* - The Form of Agreement shall not be completed by the tenderer at the time of submitting the tender. The Contract Form shall be completed after contract award and should incorporate the accepted contract price.
- 5 *Form-of Tender Security* - When required by the tender documents the tender shall provide the tender security either in the form included herein or in another format acceptable to the Kenya Medical Supplies Authority.
- 6 *Performance Security Form*- The performance security form should not be completed by the tenderers at the time of tender preparation. Only the successful tenderer will be required to provide performance security in the form provided herein or in another form acceptable to the Kenya Medical Supplies Authority.
- 7 *Bank Guarantee for Advance Payment Form* - When Advance payment is requested for by the successful bidder and agreed by the Kenya Medical Supplies Authority, this form must be completed fully and duly signed by the authorized officials of the bank.
- 8 *Qualification Information* - this form must be completed fully and duly signed by the bidder.
- 9 *Tender Questionnaire* - this form must be completed fully and duly signed by the bidder.
- 10 *Confidential Business Questionnaire Form* - This form must be completed by the tenderer and submitted with the tender documents.
11. *Statement of Foreign Currency Requirement* – this form is not applicable to this tender.
12. *Details of Sub-Contractors* - This form must be completed by the tenderer and submitted with the tender documents.
13. *Request for Review Form* This form shall only be used after tender evaluation if a bidder disagrees with the decisions of the Procuring Entity.
14. *Declaration of Undertaking (Integrity Statement)*

15. *Non - Debarment Declaration* - This form must be completed by the tenderer and submitted with the tender documents.
16. *Site Visit Declaration Form* – This form is for information only. A pre-bid site visit certificate has been issued elsewhere in this document and shall only be filled during the pre-bid site visit in the manner prescribed therein.

FORM OF INVITATION FOR TENDERS

_____ [date]

To: TENDERER'S NAME _____

P. O. BOX _____

Dear Sirs:

RE: _____

You have been prequalified to tender for the above project.

We hereby invite you and other prequalified tenderers to submit a tender for the execution and completion of the above Contract.

A complete set of tender documents may be purchased by you from

Upon payment of a non-refundable fee of _____

All tenders must be accompanied by ONE (1) copy of both Technical and Financial Proposals and a security in the form and amount specified in the tendering documents, and must be delivered to _____,

or be addressed to _____. Tenders will be opened immediately thereafter, in the presence of tenderers' representatives who choose to attend.

Please confirm receipt of this letter immediately in writing by cable/facsimile or telex.

Yours faithfully,

_____ Authorized Signature

_____ Name and Title

QUALIFICATION INFORMATION

1. Individual Tenderers or Individual Members of Joint Ventures

1.1 Constitution or legal status of tenderer (attach copy or Incorporation Certificate);

Place of registration: _____

Principal place of business _____

Power of attorney of signatory of tender _____

1.2 Total annual volume of construction work performed in the last five years

| Year | Volume | |
|------|----------|-------|
| | Currency | Value |
| | | |
| | | |
| | | |
| | | |
| | | |

1.3 Work performed as Main Contractor on works of a similar nature and volume over the last five years. Also list details of work under way or committed, including expected completion date.

| Project Name | Name of Client and Contact Person | Type of Work Performed and Year of Completion | Value of Contract |
|--------------|-----------------------------------|---|-------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

1.4 Major items of Contractor’s Equipment proposed for carrying out the Works. List all information requested below. Refer also to Clause 1.7(c) of the Instructions to Tenderers

| Item of Equipment | Description, Make and age (years) | Condition (new, good, poor) and number available | Owned, leased (from whom?), or to be purchased (from whom?) |
|--------------------------|--|---|--|
| | | | |
| | | | |
| | | | |
| | | | |

1.5 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data. Refer also to clause 1.5(e) of the Instructions to Tenderers and Clause 9.1 of the Conditions of Contract

| Position | Name | Years of experience (general) | Years of experience in proposed position |
|-----------------|-------------|--------------------------------------|---|
| | | | |
| | | | |
| | | | |
| | | | |

1.6 Financial reports for the last five years: balance sheets, profit and loss statements, auditor’s reports, etc. List below and attach copies.

1.7 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List below and attach copies of supportive documents.

1.8 Name, address and telephone, telex and facsimile numbers of banks that may provide reference if contacted by Kenya Medical Supplies Authority

1.9 Statement of compliance with the requirements of Clause 1.2 of the Instructions to Tenderers.

2.0 Proposed program (work method and schedule) for the whole of the Works.

3.0 Joint Ventures

The information listed in 1.1 – 1.10 above shall be provided for each partner of the joint venture.

Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture

Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:

- a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
- b) one of the partners will be nominated as being in charge, authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture; and
- c) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

Bidder's Signature: -----Official Stamp -----

Date: -----

TENDER QUESTIONNAIRE

Please fill in block letters.

1. Full names of tenderer

2. Full address of tenderer to which tender correspondence is to be sent (unless an agent has been appointed below)

3. Telephone number (s) of tenderer

4. Facsimile number of tenderer

5. Name of tenderer's representative to be contacted on matters of the tender during the tender period

6. Details of tenderer's nominated agent (if any) to receive tender notices. This is essential if the tenderer does not have his registered address in Kenya (name, address, telephone, telex)

Signature of Tenderer

CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

You are requested to give the particulars indicated in Part 1; either Part 2(a), 2(b) or 2 (c) whichever applies to your type of business; and Part 3.

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

| Part 1 – General | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|----------------------------|--------------------|----------------------------|---------------|--------|--|--|--|--------|--|--|--|--------|--|--|--|--------|--|--|--|--------|--|--|--|
| 1.1 | Business Name | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | Location of Business Premises. | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.3 | Plot No..... Street/Road Postal Address Tel No. Fax E mail | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.4 | Nature of Business ,..... | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | Registration Certificate No..... | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | Maximum Value of Business which you can handle at any one time – Kshs..... | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.7 | Name of your BankersBranch | | | | | | | | | | | | | | | | | | | | | | | | |
| Part 2 (a) – Sole Proprietor | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2a.1 | Your Name in Full Age | | | | | | | | | | | | | | | | | | | | | | | | |
| 2a.2 | Nationality Country of Origin • Citizenship Details | | | | | | | | | | | | | | | | | | | | | | | | |
| Part 2 (b) Partnership | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2b.1 | Given details of Partners as follows: | | | | | | | | | | | | | | | | | | | | | | | | |
| 2b.2 | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Name</u></th> <th style="text-align: left;"><u>Nationality</u></th> <th style="text-align: left;"><u>Citizenship Details</u></th> <th style="text-align: left;"><u>Shares</u></th> </tr> </thead> <tbody> <tr> <td>1.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.....</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | <u>Name</u> | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u> | 1..... | | | | 2..... | | | | 3..... | | | | 4..... | | | | | | | |
| <u>Name</u> | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u> | | | | | | | | | | | | | | | | | | | | | | |
| 1..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part 2 (c) – Registered Company | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2c.1 | Private or Public | | | | | | | | | | | | | | | | | | | | | | | | |
| 2c.2 | State the Nominal and Issued Capital of Company- Nominal Kshs. Issued Kshs. | | | | | | | | | | | | | | | | | | | | | | | | |
| 2c.3 | Given details of all Directors as follows <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Name</u></th> <th style="text-align: left;"><u>Nationality</u></th> <th style="text-align: left;"><u>Citizenship Details</u></th> <th style="text-align: left;"><u>Shares</u></th> </tr> </thead> <tbody> <tr> <td>1.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.....</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5.....</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | <u>Name</u> | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u> | 1..... | | | | 2..... | | | | 3..... | | | | 4..... | | | | 5..... | | | |
| <u>Name</u> | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u> | | | | | | | | | | | | | | | | | | | | | | |
| 1..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5..... | | | | | | | | | | | | | | | | | | | | | | | | | |

Part 3 – Eligibility Status

3.1 Are you related to an Employee, Committee Member or Board Member of Kenya Medical Supplies Authority ? Yes _____ No _____

3.2 If answer in ‘3.1’ is **YES** give the relationship.
.....
.....
.....

3.3 Does an Employee, Committee Member, Board Member of Kenya Medical Supplies Authority sit in the Board of Directors or Management of your Organization, Subsidiaries or Joint Ventures? Yes _____ No _____

3.4 If answer in ‘3.3’ above is **YES** give details.
.....
.....
.....

3.5 Has your Organization, Subsidiary Joint Venture or Sub-contractor been involved in the past directly or indirectly with a firm or any of it’s affiliates that have been engaged by Kenya Medical Supplies Authority to provide consulting services for preparation of design, specifications and other documents to be used for procurement of the goods under this invitation? Yes _____ No _____

3.6 If answer in ‘3.5’ above is **YES** give details.
.....
.....
.....

3.7 Are you under a declaration of ineligibility for corrupt and fraudulent practices? YES _____ No _____

3.8 If answer in ‘3.7’ above is **YES** give details:
.....
.....
.....

3.9 Have you offered or given anything of value to influence the procurement process? Yes _____ No _____

3.10 If answer in ‘3.9’ above is **YES** give details
.....
.....
.....

I DECLARE that the information given on this form is correct to the best of my knowledge and belief.

Date Signature of Candidate

- If a Kenya Citizen, indicate under “Citizenship Details” whether by Birth, Naturalization or registration.

DECLARATION OF UNDERTAKING (INTEGRITY STATEMENT)

Anti – Corruption Policy in the Procurement Process

Undertaking By Bidder On Anti – Corruption Policy / Code of Conduct And Compliance Program

The governments of Kenya is committed to fighting corruption in all its forms and in all its institutions to ensure that all the government earned revenues are utilized prudently and for the purpose intended with a view to promoting economic development as the country work towards actualizing Vision 2030.

Here at KEMSA and also being one of the government entities mandated under the government Legal Notice number 466 of 2004 to procure, warehouse and distribute Essential Medicines and Medical Supplies to all the public health facilities in Kenya, on behalf of the government, we are highly committed to fighting any form of corruption in our organization to ensure that all the monies that the government entrust with us, is optimally and prudently utilized for the benefits of all the people we serve.

The following is a requirement that every Bidder wishing to do business with KEMSA must comply with:

- (1) Each bidder must submit a statement, as part of the tender documents, in the format given and which must be signed personally by the Chief Executive Officer or other appropriate senior corporate officer of the bidding company and, where relevant, of its subsidiary in Kenya. If a tender is submitted by a subsidiary, a statement to this effect will also be required of the parent company, signed by its Chief Executive Officer or other appropriate senior corporate officer.
- (2) Bidders will also be required to submit similar No-bribery commitments from their subcontractors and consortium partners; the bidder may cover the subcontractors and consortium partners in its own statement, provided the bidder assumes full responsibility.
- (3) a) Payment to agents and other third parties shall be limited to appropriate compensation for legitimate services.
b) Each bidder will make full disclosure in the tender documentation of the beneficiaries and amounts of all payments made, or intended to be made, to agents or other third parties (including political parties or electoral candidates) relating to the tender and, if successful, the implementation of the contract.
c) The successful bidder will also make full disclosure [quarterly or semi- annually] of all payments to agents and other third parties during the execution of the contract.
d) Within six months of the completion of the performance of the contract, the successful bidder will formally certify that no bribes or other illicit commissions have been paid. The final accounting shall include brief details of the goods and services provided that are sufficient to establish the legitimacy of the payments made.
e) Statements required according to subparagraphs (b) and (d) of this paragraph will have to be certified by the company's Chief Executive Officer, or other appropriate senior corporate officer.

- (4) Tenders which do not conform to these requirements shall not be considered.
- (5) If the successful bidder fails to comply with its No-bribery commitment, significant sanctions will apply. The sanctions may include all or any of the following:
 - a) Cancellation of the contract;
 - b) Liability for damages to the public authority and/or the unsuccessful competitors in the bidding possibly in the form of a lump sum representing a pre-set percentage of the contract value (liquidated).
- (6) Bidders shall make available, as part of their tender, copies of their anti-Bribery Policy/Code of Conduct, if any, and of their-general or project - specific - Compliance Program.
- (7) The Government of Kenya through Kenya Anti-Corruption Commission has made special arrangements for adequate oversight of the procurement process and the execution of the contract. Those charged with the oversight responsibility will have full access if need be to all documentation submitted by Bidders for this contract, and to which in turn all Bidders and other parties involved or affected by the project shall have full access (provided, however, that no proprietary information concerning a bidder may be disclosed to another bidder or to the public).

1. MEMORANDUM (FORMAT)

(Clause 41, 62 and 66 of Kenya Public Procurement and Asset Disposal Act 2015)

This company _____ (*name of company*) has issued, for the purposes of this tender, a Compliance Program copy attached -which includes all reasonable steps necessary to assure that the No-bribery commitment given in this statement will be complied with by its managers and employees, as well as by all third parties working with this company on the public sector projects or contract including agents, consultants, consortium partners, subcontractors and suppliers'")"

Authorized Signature: _____

Name and Title of Signatory: _____

NON - DEBARMENT DECLARATION

We (*insert the name of the company / supplier*) -----declares and guarantees that no director, sub-contractor or any person who has any controlling interest in our organization has been debarred from participating in a procurement proceeding.

NameSignature.....Date

Company Seal / Business Stamp

SITE VISIT DECLARATION FORM

PROPOSED CONSTRUCTION OF KEMSA WAREHOUSE AND OFFICE BLOCK

I/We.....of..... do hereby declare that I/We have visited the site in the company of the below mentioned consultant and fully understand the scope and sequence of works.

COMPANY REPRESENTATIVE

NAME:

DESIGNATION:

Date

OFFICIAL STAMP

KEMSA REPRESENTATIVE

NAME:.....

SIGNATURE:.....

DATE:.....

OFFICIAL STAMP

Signed

Date

TENDER SECURITY FORM
(Amend accordingly if provided by Insurance Company)

Whereas[name of the tenderer]

(hereinafter called “the tenderer”)has submitted its tender dated.....[date of submission of tender] for the provision of

[name and/or description of the services]

(hereinafter called “the Tenderer”).....

KNOW ALL PEOPLE by these presents that WE.....

of.....having registered office at

[name of Procuring Entity](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 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]

DETAILS OF SUB-CONTRACTORS

If the Tenderer wishes to sublet any portions of the Works under any heading, he must give below details of the sub-contractors he intends to employ for each portion.

Failure to comply with this requirement may invalidate the tender.

(1) Portion of Works to be sublet:

(i) Full name of Sub-contractor
and address of head office:
.....
.....

(ii) Sub-contractor’s experience
of similar works carried out
in the last 3 years with
Contract value:.....
.....
.....

(2) Portion of Works to sublet:
.....

(i) Full name of Sub-contractor
and address of head office:
.....
.....

(ii) Sub-contractor’s experience
of similar works carried out
in the last 3 years with
contract value:
.....
.....

[Signature of Tenderer]

Date

BANK GUARANTEE FOR ADVANCE PAYMENT FORM

To

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 in an amount of
..... [amount of guarantee in figures and words].

We, the..... [bank or financial institution], 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 and 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]

PERFORMANCE SECURITY FORM

To:

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 services](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 figures],
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 your 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____

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

_____ [date]

METHOD STATEMENT

The Tenderer is required to give a brief description herebelow of how the tenderer plans to execute the works (The tenderer may add more pages if required).

STATEMENT OF FOREIGN CURRENCY REQUIREMENTS

(See Clause 23] of the Conditions of Contract)

In the event of our Tender for the execution of _____
_____ (*name of Contract*) being accepted, we would require in
accordance with Clause 21 of the Conditions of Contract, which is attached hereto, the
following percentage:

(Figures)..... (Words).....

of the Contract Sum, (Less Fluctuations) to be paid in foreign currency.

Currency in which foreign exchange element is required:

.....

Date: The Day of 20.....

Enter 0% (zero percent) if no payment will be made in foreign currency.

Maximum foreign currency requirement shall be _____ (percent) of the Contract
Sum, less Fluctuations.

(Signature of Tenderer)

LETTER OF NOTIFICATION OF AWARD

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 whose particulars appear below on the subject matter of this Letter of Notification of Award.

.....
The Chief Executive Officer
Kenya Medical Supplies Authority
P. O. Box 47715 – 00100
NAIROBI.

FOR:

LETTER OF ACCEPTANCE
[letterhead paper of the Employer]

_____ *[date]*

TO: _____ (Contractor)

P. O. BOX: _____

Dear Sir,

This is to notify you that your Tender dated _____
for the execution of _____

[Name of the Contract and identification number, as given in the Tender documents] for
the Contract Price of Kshs. _____ *[amount in figures]* [Kenya Shillings

_____ *(amount in words)*
in accordance with the Instructions to Tenderers is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance
with the Contract documents.

Authorized Signature:

Name and Title of Signatory:

FORM OF AGREEMENT

THIS AGREEMENT, made the _____ day of _____ 20 _____ between **KENYA MEDICAL SUPPLIES AUTHORITY** of [or whose registered office is situated at] (hereinafter called “the Procurement Entity”) of the one part AND

_____ of [or whose registered

office is situated at] _____

(hereinafter called “the Contractor”) of the other part.

WHEREAS THE Procurement Entity is desirous that the Contractor executes

_____ (*name and identification number of Contract*) (hereinafter called “the Works”) located at _____ [*Place/location of the Works*] and the Procurement Entity has

accepted the tender submitted by the Contractor for the execution and completion of such Works

and the remedying of any defects therein for the Contract Price of

Kenya Shillings _____ *Amount in figures*],

Kenya Shillings _____ [*Amount in words*].

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 hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
 - (i) Letter of Acceptance
 - (ii) Form of Tender
 - (iii) Conditions of Contract Part I
 - (iv) Conditions of Contract Part II and Appendix to Conditions of Contract
 - (v) Specifications
 - (vi) Drawings

(vii) Priced Bills of Quantities

3. In consideration of the payments to be made by the Procurement Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procurement Entity to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Procurement Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the Works 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 thereto have caused this Agreement to be executed the day and year first before written.

The common Seal of _____

Was hereunto affixed in the presence of _____

Signed Sealed, and Delivered by the said _____

Binding Signature of the Procurement Entity

Binding Signature of Contractor _____

In the presence of (i) Name _____

Address _____

Signature _____

(ii) Name _____

Address _____

Signature _____

CONTRACT FORM

THIS AGREEMENT made the ___ day of ___ 20___ between..... [name of Procuring Entity] of[country of Procuring 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 materials and spares. viz.....[brief description of materials and spares] and has accepted a tender by the tenderer for the supply of those materials and spares in the sum of[contract price in words and figures].

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 materials and spares and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring entity hereby covenants to pay the tenderer in consideration of the provision of the materials and spares 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 _____

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 of20.....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:-

By this memorandum, the Applicant requests the Board for 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 of20.....

SIGNED
Board Secretary

SECTION B

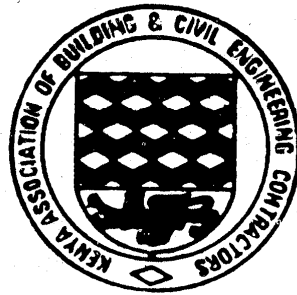
CONDITIONS OF

SUB-CONTRACT AGREEMENT

CONDITIONS OF CONTRACT

SUB-CONTRACT AGREEMENT (KABCEC)

**AGREEMENT AND CONDITIONS
OF SUB-CONTRACT FOR
BUILDING WORKS**



Published by:
**The Kenya Association of Building and
Civil Engineering Contractors**
with the sanction of:
The Joint Building Council, Kenya
and
The Architectural Association of Kenya

June 2002 Edition

© The copyright in this document is vested in
the Kenya Association of Building and Civil Engineering
Contractors.

CONTENTS

| Clause | | Page |
|---------------|--|-------------|
| 1.0 | - Agreement | 86 |
| 2.0 | - General obligations of the Contractor | 89 |
| 3.0 | - General obligations of the Sub-Contractor | 89 |
| 4.0 | - Sub-contract documents | 90 |
| 5.0 | - General liability of the Sub-Contractor | 90 |
| 6.0 | - Insurance against injury to persons and property | 90 |
| 7.0 | - Performance bond | 91 |
| 8.0 | - Possession of site and commencement of works | 92 |
| 9.0 | - Project manager instructions | 92 |
| 10.0 | - Variations | 93 |
| 11.0 | - Liability for own equipment | 93 |
| 12.0 | - Provision of facilities by the Contractor | 93 |
| 13.0 | - Liability for own work | 93 |
| 14.0 | - Co-operation in use of facilities | 94 |
| 15.0 | - Assignment and subletting | 94 |

| | | | |
|------|---|--|-----|
| 16.0 | - | Work prior to appointment of Contractor | 94 |
| 17.0 | - | Sub-Contractor design | 94 |
| 18.0 | - | Specification of goods, materials and workmanship | 94 |
| 19.0 | - | Compliance with statutory and other regulations | 94 |
| 20.0 | - | Royalties and patent rights | 95 |
| 21.0 | - | Antiquities and other objects of value | 95 |
| 22.0 | - | Suspension of works | 95 |
| 23.0 | - | Payments | 95 |
| 24.0 | - | Practical completion and defects liability | 97 |
| 25.0 | - | Extension of time | 97 |
| 26.0 | - | Loss and expense caused by disturbance of regular progress of the works | 98 |
| 27.0 | - | Damages for delay in completion | 98 |
| 28.0 | - | Fluctuations | 98 |
| 29.0 | - | Termination of the main contract | 99 |
| 30.0 | - | Termination of the Sub-contract | 99 |
| 31.0 | - | Settlement of disputes | 100 |
| | - | Sub-Contractor's performance bond | 102 |
| | - | Appendix | 103 |
| | - | appendix to agreement and conditions of sub-contract for building works` | 104 |

ORIGINAL
embossed stamp

COUNTERPART
embossed stamp

1.0 AGREEMENT

- 1.1 This agreement is made on
between
of (or whose registered office is situated at)
.....
(hereinafter called “the Contractor”) of the one part
and
of (or whole registered office is situated at)
.....
(hereinafter called “the Sub-Contractor”) of the other part:
- 1.2 SUPPLEMENTAL to an agreement(hereinafter referred to as the “the main contract”)
made on
Between
.....
(hereinafter called “the Employer”) of the one part and the Contractor of the other part based on the Agreement and Conditions of Contract for Building Works, published by the Joint Building Council, Kenya
..... edition.
- 1.3 WHEREAS the contractor is desirous of sub-letting to the Sub-Contractor
.....
.....
.....

hereinafter called “the sub-contractor works” at.....
on Land Reference No.....being part of the main contract works.

1.4 And whereas the Sub-contractor has supplied the Contractor with a priced copy of the bills of quantities (hereinafter referred to as “the sub-contractor bills”), where applicable, which together with the drawings numbered.....

.....
(hereinafter referred to as “the sub-contract drawings), the specifications and the conditions of sub-contract have been signed by or on behalf of the parties thereto.

And whereas the Sub-Contractor has had reasonable opportunity of inspecting the main contract or a copy thereof except the detailed prices of the Contractor included in the bills of quantities or schedule of rates.

1.5 And whereas the Architect, with the approval of the Employer, has nominated the Sub-Contractor to carry out the works described at clause 1.3 herein:

NOW IT IS HEREBY AGREED AS FOLLOWS:

1.6 For the consideration herein stated, the Sub-Contractor shall upon and subject to the conditions annexed hereto carry out and complete the sub-contract works shown upon the sub-contract drawings and described by or referred to in the sub-contract bills, specifications and in the said conditions.

1.7 The Contractor shall pay the Sub-Contractor the sum of the Kshs (in words).....

.....
.....Kshs.....)
(hereinafter referred to as “the sub-contractor price”) or such sum as shall become payable hereinafter at the times and in manner specified in the said conditions.

1.8 The term ‘Architect’, ‘Quantity Surveyor’ and ‘Engineer’, where applicable, shall refer to the persons appointed by the Employer to administer the sub-contract in accordance with the main contract agreement. Where applicable reference to the Project Manager shall be deemed to include reference to the Engineer.

1.9 In the event of the need to appoint a replacement Architect, Quantity Surveyor, Engineer or other specialist (whether named in this agreement or not) the Employer shall make such appointment as soon as practicable after the need for such appointment arises and shall communicate the appointment to the Sub-Contract through the Contractor.

1.10 Where the sub-contract does not incorporate bills of quantities, the term “sub-contract bills” and “bills of quantities” wherever appearing shall be deemed deleted and replaced with the term “schedule of rates” as applicable.

1.11 The terms defined in the main contract shall have the same meaning in this sub-contract as that assigned to them therein.

1.12 AS WITNESS the hands of the said parties;

Signed by the said

.....(Contractor)

In the presence of

Name

Address

Signed by the said

.....(Sub-Contractor)

In the presence of

Name

Address

CONDITIONS OF SUB-CONTRACT

2.0 GENERAL OBLIGATIONS OF THE CONTRACTOR

The Contractor shall:

- 2.1 Timeously obtain from the Project Manager on behalf of the Sub-Contractor all drawings, necessary details, instructions and other information required by the Sub-Contractor for the proper carrying out of the sub-contract works.
- 2.2 Provide all such facilities and attend upon the Sub-Contractor as required and as provided in the specifications, bills of quantities and these conditions to the extent compatible with the provisions of the main contract
- 2.3 Observe, perform and comply with all the provisions of the main contract and of this sub-contract on the part of the Contractor to be observed, performed and complied with to ensure satisfactory completion of the sub-contract works.

3.0 GENERAL OBLIGATIONS OF THE SUB-CONTRACTOR

- 3.1 The Sub-Contractor shall be deemed to have notice of all the provisions of the main contract except the detailed prices of the Contractor included in the bills of quantities or in the schedule of rates.
- 3.2 The Sub-Contractor shall carry out and complete the sub-contract works in accordance with this sub-contract and in all respects to the reasonable satisfaction of the Contractor and of the Project Manager and in conformity with all reasonable directions and requirements of the Contractor regulating the due carrying out of the contract works.
- 3.3 The Sub-Contractor shall observe, perform and comply with all the provisions of the main contract on the part of the Sub-Contractor to be observed, performed and complied with so far as they relate and apply to the sub-contract works or any portion thereof and are not inconsistent with the expressions of this sub-contract as if all the same were set out herein.
- 3.4 Without prejudice to the generality of the foregoing requirements, the Sub-Contractor shall especially observe perform and comply with the provisions in the main contract as they apply to the sub-contract works

4.0 SUB-CONTRACT DOCUMENTS

- 4.1 The sub-contract documents for use in the carrying out of the sub-contract works shall be:-
 - 4.1.1 The agreement and these conditions
 - 4.1.2 The sub-contract drawings as listed in the agreement
 - 4.1.3 The sub-contract bill of quantities or schedule of rates as applicable
 - 4.1.4 The specifications as separately supplied or as contained in the sub-contract bills.
- 4.2 Upon the execution of the sub-contract, the Contractor shall register the agreement with the relevant statutory authority and pay all fees, charges, taxes, duties and all costs arising therefrom.

- 4.3 The manner of supplying contract documents, their custody, display on site and their interpretation in the event of discrepancies shall be as provided in the main contract in respect of the main contract documents with the necessary amendments made to refer to the sub-contract.

5.0 GENERAL LIABILITY OF THE SUB-CONTRACTOR

- 5.1 The Sub-Contractor shall be liable for and shall indemnify the Contractor against and from:
- 5.1.1 Any breach, non-observance or non-performance by the Sub-Contractor, his servants or agents of any of the said provisions of the main contract and of this sub-contract.
 - 5.1.2 Any act or omission of the Sub-Contractor, his servants or agents which involve the Contractor in any liability to the Employer under the main contract
 - 5.1.3 Any claim, damage, loss or expense due to or resulting from any negligence or breach of duty on the part of the Sub-Contractor, his servants or agents.
 - 5.1.4 Any loss or damage resulting from any claim under any statute or common law by an employee of the Sub-Contractor in respect of personal injury or death arising out of or in the course of his employment.
- 5.2 Provided that nothing contained in this sub-contract shall impose any liability on the Sub-Contractor in respect of any negligence or breach of duty on the part of the Employer, the Contractor, other sub-contractors or their respective servants or agents nor create any privity of contract between the Sub-Contractor and the Employer or any other sub-contractor.

6.0 INSURANCE AGAINST INJURY TO PERSONS AND PROPERTY

- 6.1 Without prejudice to his liability to indemnify the Contractor under clause 5.0 above, the Sub-Contractor shall maintain:-
- 6.1.1 Such insurances as are necessary to cover the liability of the Sub-Contractor in respect of injury or damage to property including damage to the works arising out of or in the course of or by reason of the carrying out of the sub-contract works except for liability against the contingencies specified at clause 6.3 herein.
 - 6.1.2 The insurances required under sub clause 6.1.1 above shall be placed with insurers approved by the Contractor and the Architect.
- 6.2 Notwithstanding the provisions of clause 23.0 of these conditions, the Contractor shall not be obliged to make payments to the Sub-Contractor before the said policies have been provided.
- 6.3 Where clause 30 of the main contract applies, the sub-contract works, including materials and goods of the sub-Contractor delivered to the works, shall as regards loss or damage by the contingencies stated at clause 30 therein, namely, fire, earthquake, fire following earthquake, lightning, explosion, storm, tempest, flood, bursting or overflowing of water tanks, apparatus or pipes, aircraft and other aerial devices or articles dropped therefrom, riot and civil commotion, be at the sole risk of the contractor. The Contractor shall cover his liability for the works by procuring insurances as required in the said clause.
- 6.4 Where clause 30 or the main contract applies, the sub-contract works, including materials and goods of the Sub-Contractor delivered to the works shall, as regards loss or damage by the contingencies stated therein be at the sole risk of the Employer. The Employer shall cover his liability for the works by procuring insurances as required in the said clause.
- 6.5 The Sub-Contractor shall observe and comply with the conditions contained in the policy or policies of insurance of the Contractor or of the Employer, as the case may be, as

regards loss or damage which may be caused by the stated contingencies. For this purpose, the Contractor or the Employer as the case may be, shall avail the said policies to the Sub-Contractor for his perusal.

- 6.6 If any loss or damage affecting the sub-contract works or any part thereof or any unfixed goods or materials is occasioned by any one or more of the said contingencies, then,
 - 6.6.1 The occurrence of such loss or damage shall be disregarded in computing any amounts payable to the Sub-Contractor under the sub-contract, and
 - 6.6.2 The Sub-Contractor shall, with due diligence, restore the work damaged, replace or repair any unfixed materials or goods which have been destroyed or damaged, remove and dispose of any debris and proceed with the carrying out and completion of the sub-contract works.
 - 6.6.3 The restoration of work damaged the replacement and repair of unfixed materials and goods and the removal of debris shall be deemed to be a variation required by the Architect. Such work shall be paid for in accordance with clause 30.0 of the main contract.

7.0 PERFORMANCE BOND

Before commencing the works, the Sub-Contractor shall provide one surety who must be an established bank or insurance company to the approval of the Contractor and who will be bound to the Contractor in the sum equivalent to five per cent (5%) of the sub-contract price for the due performance of the sub-contract until the certified date of practical completion. Notwithstanding the provisions of clause 23.0 of these conditions, no payments shall be made to the Sub-Contractor before the said bond is provided.

8.0 POSSESSION OF SITE AND COMMENCEMENT OF WORKS

- 8.1 Within the period stated in the appendix to these conditions, the Contractor shall give possession of the site works to the Sub-Contractor and such access as may be necessary to enable the Sub-Contractor to commence and proceed with the sub-contract works in accordance with the sub-contract.
- 8.2 On or before the date for commencement of works stated in the appendix to these conditions, the Sub-Contractor shall commence the carrying out of the sub-contract works and shall proceed regularly and diligently with the same in accordance with the sub-contract program, the main contract program and or with the progress of the main contract works and complete on or before the date stated in the appendix to these conditions as the date for practical completion or within any extended time granted under clause 25.0 of these conditions.

9.0 PROJECT MANAGERS INSTRUCTIONS

- 9.1 The Sub-Contractor shall forthwith comply with all the instructions issued to him by the Project manager, either directly or through the Contractor, in regard to any matter in respect of which the Project Manager is expressly empowered by the main contract conditions to issue instructions.

- 9.2 The manner of complying with or querying the validity of Project manager’s instruction shall be as provided in clause 16.0 of the main contract. The Project manager shall not be obliged to carry our instructions not issued in the manner provided therein.

10.0 VARIATIONS

- 10.1 The term “variation” shall have the meaning assigned to it at clause 22.0 of the main contract.
- 10.2 The valuation of variations shall be made by the Quantity Surveyor in accordance with sub-clause 22.0 of the main contract.
- 10.3 Effect shall be given to the measurement and valuation of variations in interim certificates and by the adjustment of the sub-contract price.

11.0 LIABILITY FOR OWN EQUIPMENT

The construction equipment and other property belonging to or provided by the Sub-Contractor and brought onto the site for carrying out the works shall be at the sole risk of the Sub-Contractor. Any loss or damage to the same or caused by the same shall, except for any loss or damage due to any negligence, omission or default of the Contractor, be at the sole risk of the Sub-Contractor who shall indemnify the Contractor against loss, damage or claims in respect thereof. Insurance against any such loss, damage or claims shall be the sole responsibility of the Sub-Contractor.

12.0 PROVISION OF FACILITIES BY THE CONTRACTOR

- 12.1 Where provided in the main contract, the Contractor shall supply at his own cost all necessary water, lighting, electric power, telephones and security required for the sub-contract works. Where not so provided, the Sub-Contractor shall provide the said services at his own cost.
- 12.2 Except as otherwise provided in the main contract, the Sub-Contractor shall construct at his own expense all necessary workshops, stores, offices, workers’ accommodation and other temporary buildings required for the carrying out of the works at such places on site as the Contractor shall identify. The Contractor undertakes to give the sub-Contractor the required space and all reasonable facilities for such construction. Upon practical completion of the works, the Sub-contractor shall remove the said facilities and reinstate disturbed surface to the satisfaction of the Contractor.
- 12.3 The Contractor shall provide, without charge, general attendance to the Sub-Contractor to facilitate the carrying out of the works which attendance shall include facilities for access to and movement within the site and sections or parts of the building or buildings where the sub-contract works are being carried out, the use of temporary roads, paths and access ways, sanitary and welfare facilities.
- 12.4 The Contractor shall permit the Sub-Contractor to use, without charge, at all reasonable times, any scaffolding and hoisting equipment belonging to or provided by the Contractor while it remains so erected upon the site. The use by the Sub-Contractor of any other equipment, facilities or services provided by the Contractor for the works shall be subject to private arrangements between the parties hereto and shall not be regulated by these conditions.
- 12.5 Provided that such use of the scaffolding and hoisting equipment shall be on the express condition that no warranty or other liability on the part of the Contractor shall be created or

implied in regard to fitness, condition or suitability for the intended purpose except that the Sub-Contractor shall be liable for any damage caused thereto or thereby.

- 12.6 Where required, the Contractor shall provide the facilities, equipment and the like and carry out any necessary builder' works within a reasonable time of the request by the Sub-Contractor to enable timely performance of the sub-contract.

13.0 LIABILITY FOR OWN WORK

- 13.1 The Contractor and the Sub-Contractor shall be liable for the due carrying out of their respective works in accordance with their respective contracts without causing damage or injury to the works of the other sub-contractors, and in particular:
- 13.2 Should the carrying out of the sub-contract works cause injury or damage to the main contract works, or to the work of the other sub-contractors, the Sub-contractor shall rectify the damage so caused at his own cost.
- 13.3 Should the carrying out of the main contract works cause damage or injury to the sub-contract works, the Contractor shall rectify the damage at his own cost.
- 13.4 If in the course of carrying out the sub-contract works, the Sub-Contractor is required to carry out work not included in his sub-contract by reason of any materials of workmanship not being in accordance with the main contract or with other sub-contracts, the Contractor shall reimburse the Sub-Contractor the expenses incurred therein.

14.0 CO-OPERATION IN USE OF FACILITIES

- 14.1 The Contractor and the Sub-Contractor undertake to co-operate with each other and co-ordinate work arrangements and procedures required in carrying preventing interference, disruption or disturbance to the progress of the works or to the activities of other sub-contractors.
- 14.2 The Contractor and the Sub-Contractor undertake not to wrongfully use or interfere with equipment, scaffolding, appliances, ways, temporary works, temporary buildings and other property belonging to or provided by the other part or by other sub-contractors.
- 14.3 Provided that nothing contained in this clause shall prejudice or limit the rights of the Contractor or of the sub-Contractor in carrying out their respective statutory and or contractual duties under this sub-contract or under the main contract.

15.0 ASSIGNMENT AND SUBLETTING

- 15.1 Neither the Contractor nor the Sub-Contractor shall, without the written consent of the other and the Employer, assign this sub-contract.
- 15.2 The Sub-Contractor shall not sub-let the whole of the works without the written consent of the Contractor and the Project manager.
- 15.3 Provided that any assignment and any sub-contracts as well as this sub-contract shall terminate immediately upon (for whatever reason) of the main contract.

16.0 WORK PRIOR TO APPOINTMENT OF CONTRACTOR

- 16.1 Where the Sub-Contractor is appointed before the Contractor is appointed, any work done by the Sub-Contractor prior to the said appointment shall be treated as a separate contract between the Employer and the Sub-Contractor and shall be valued by the Quantity Surveyor and paid for directly by the Employer without the involvement of the Contractor.
- 16.2 Where the Sub-Contractor is appointed before the Contractor is appointed, the Sub-Contractor shall be permitted, when the identity of the Contractor is known and within 30 days thereof, to raise objections (on reasonable grounds) against entering into a sub-contract with the Contractor
- 16.3 Where work which is outside the sub-contract is ordered directly by Employer or the Architect, that work shall be treated as a separate contract between the Sub-Contractor and the Employer and shall be valued and paid for directly to the Sub-Contractor in accordance with sub-clause 16.1 herein without the involvement of the Contractor. The cost of equipment, facilities and the like provided by the Contractor to the Sub-contractor and any builder's work carried out by the Contractor with regard to such work shall be paid directly by the Sub-Contractor to the Contractor.

17.0 SUB-CONTRACTOR DESIGN

Where the sub-contract includes a design component by the Sub-Contractor, the design shall be to the approval of the Project Manager and the Employer. Notwithstanding and approvals, the Sub-Contractor shall be liable directly to the Employer for any consequences of failure of the design to comply with the requirements of the Employer or to be fit or suitable for the purposes for which the sub-contract works or the relevant part thereof were intended.

18.0 SPECIFICATION OF GOODS, MATERIALS AND WORKMANSHIP

- 18.1 All materials, goods and workmanship shall so far as procurable, be of the respective kinds and standards described in the sub-contract bills, specifications and drawings.
- 18.2 The provisions in the main contract regulating the procurement, specification and quality assurance of materials, processes and workmanship and the requirements of clause dealing with the provision of samples and the carrying out of specified tests shall apply to the sub-contract in the same manner as they apply to the main contract.

19.0 COMPLIANCE WITH STATUTORY AND OTHER REGULATIONS

The Sub-Contract shall comply with all statutory and other regulations of competent authorities regulating the carrying out of the works in accordance with the provisions in the main contract, as applicable.

20.0 ROYALTIES AND PATENT RIGHTS

- 20.1 All royalties or other sums payable in respect of the supply and use of any patented articles, processes or inventions in carrying out the works as described by or referred to in the sub-contract bills, specifications or drawings shall be deemed to have been included in the sub-contract price.
- 20.2 The provision of clause in of the main contract dealing with the same shall apply to the sub-contract in the same manner as they apply to the main contract.

21.0 ANTIQUITIES AND OTHER OBJECTS OF VALUE

All fossils, antiquities and other objects of interest or value which may be found on the site or in excavating the same during the progress of the sub-contract shall be dealt with in accordance with the provisions of the main contract.

22.0 SUSPENSION OF WORKS

22.1 An instruction by the Project Manager to postpone or suspend the works under clause 28.0 of the main contract shall have the same effect on the sub-contract works as it has on the main contract works.

22.2 If the suspension arises due to default by the contractor and the sub-contract works are adversely effected by the suspension, the sub-contractor shall be entitled to reimbursement by the contractor of all expenses arising therefrom.

22.3 If the suspension arises due to default by the sub-contractor, the sub-contractor shall be liable to the contractor for all expenses arising therefrom.

22.4 A notice by the contractor to suspend the works under clause 29.0 of the main contract shall have the same effect on the sub-contract works as it has on the main contract works.

22.5 Should the sub-contract works be adversely affected by suspension under clause in the main contract, the sub-contractor shall be entitled to the remedies provided for at clauses 25.0 and 26.0 of this sub-contract.

23.0 PAYMENTS

23.1 Procedures for originating and processing applications for payments and payment certificates as regards the sub-contract works shall be the same as those prescribed for the Contractor in the main contract at clause 34.0. references therein to the contractor shall be deemed to include references to the Sub-contractor.

23.2 Before submitting an application for payment to the Quantity Surveyor in accordance with clause 34.1 of the main contract, the Contractor shall give the Sub-Contractor a notice of not less than 7 days to submit the details of the amounts, which the Sub-Contractor considers himself entitled to for the relevant period. Such details, when received, shall be annexed to the said Contractor's application.

23.3 Where it is necessary to measure the sub-contract works for purpose of interim valuation or for the preparation of the final account, the Quantity Surveyor shall give the Sub-Contractor a reasonable opportunity to be present at the time of the measurements and to take notes and measurements as he may require.

23.4 Neither the Quantity Surveyor nor the Project Manager shall be bound to issue a valuation or a payment certificate in respect of the sub-contract works, as the case may be, whose value is less than the amount stated in the appendix to these conditions as the minimum amount of a payment certificate before the issue of the certificate of practical completion of the main contract or of the sub-contract, as applicable.

23.5 Provided that where the minimum amount of a certificate inserted in the appendix to these conditions has been achieved but the corresponding minimum inserted in the appendix to the main contract in respect of the Contractor's work has not been achieved, or the Contractor has not applied for payment within the stated period, the Project Manager may

- with the consent of the Contractor, issue a payment certificate directly to the Sub-Contractor for payment by the Employer.
- 23.6 Within 7 days of receipt by the Contractor of payment by the Employer, the Contractor shall notify and pay to the Sub-Contractor the total value certified therein in respect of the sub-contract works less the portion of the retention money attributable to the sub-contract works and less amounts previously paid to the Sub-Contractor.
- 23.7 Where certificates are not paid by the Employer within the prescribed period, the Sub-Contractor shall be entitled to be paid by the Contractor, upon receipt of payment from the Employer, the interest certified for the delay in accordance with sub-clause 34.6 of the main contract in respect of the portion of the sub-contract works included in the certificate.
- 23.8 a) Payment will be made through certificates direct to the subcontractor. All the subcontractors valuations claim must done through the main contractor and subsequently forwarded to the consultants . All payments will be less retention as specified in the Main Contract. No payment will become due until materials are delivered to site.
- b) In case, the Contractor has received payment from the Employer but has not released the appropriate amount to the Sub-Contractor within the stated period, the Contractor shall pay to the Sub-Contractor in addition to the amount not paid, simple interest on the unpaid amount for the period it remains unpaid at the commercial bank lending rate in force during the period of default.
- 23.9 If, upon application by the Sub-Contractor and Project Manager agree, or if the Contractor fails to make payment to the Sub-Contractor in accordance with sub-clause 23.6 herein and continues such default for 14 days thereafter, the Project Manager may issue a payment certificate directly to the Sub-Contractor for payment by the Employer, where applicable, and deduct the amount from subsequent payment to the Contractor.
- 23.10 Upon the issue of the certificate of practical completion and the release of one half of the total amount of the retention of money to the Contractor, the Contractor shall pay the portion attributable to the sub-contract to the Sub-Contractor within 7 days of receipt of the payment.
- 23.11 Upon the issue of the certificate of rectification of defects and receipt of the balance of the retention money by the Contractor, the Contractor shall pay the balance of the portion of the retention money attributable to the sub-contract to the Sub-Contractor within 7 days of receipt of the payment.
- 23.12 The sub-contract final account shall be agreed between the Sub-Contractor, the Contractor, the Quantity Surveyor and the Project Manager and shall be annexed to the Contractor's final accounts which shall be agreed as provided for in the main contract. For purpose of finalizing the accounts, the Quantity Surveyor may request the Sub-Contractor to submit further documents as he may deem necessary.
- 23.13 The final certificate issued under sub-clause 34.21 of the main contract shall be final and binding on the Sub-Contractor in the same manner it is binding on the Contractor.
- 23.14 If the Project Manager desires to secure final payment to the Sub-Contractor before final payment is due to the Contractor, the provisions of sub-clause 32.1 of the main contract shall apply.
- 23.15 The Contractor shall be entitled to deduct from or set off against any money due from him to the Sub-Contractor in interim certificates any sum or sums which the Sub-Contractor is liable to pay to the Contractor arising under or in connection with the sub-contract.

24.0 PRACTICAL COMPLETION AND DEFECTS LIABILITY

- 24.1 The Sub-Contractor shall proceed with the works regularly and diligently and complete the same within the period stated in the appendix to this sub-contract or within such extended period as may be granted under clause 25.0 of this sub-contract.
- 24.2 Where the sub-contract works are to be completed in sections or where the sub-contract works are to be completed in advance of the main contract works, the provisions of clauses in the main contract shall apply, as appropriate, to the sub-contractor in the same manner as they apply to the main contract.
- 24.3 The procedures for certifying practical completion and for dealing with defects in the sub-contract works as well as the main contract works are as prescribed in the main contract. Upon the issue of the certificate of practical completion of the whole of the works or of the sub-contract works, as applicable, the Sub-contractor shall be entitled to release of one half of the retention money attributable to the sub-contract works within 7 days after the Contractor has received payment.
- 24.4 The balance of the retention money shall be released to the Sub-Contractor after the defects appearing in the works have been rectified in accordance with the main contract condition of contract and after the Contractor has received the said payment as provided for in the main contract.

25.0 EXTENSION OF TIME

- 25.1 Upon it becoming reasonably apparent that the progress of the sub-contract works is or will be delayed, the Sub-Contractor shall forthwith give written notice of the cause of the delay to the Contractor and to the Project Manager with supporting details showing the extent of delay caused or likely to be caused. Thereafter, the Project Manager shall evaluate the information supplied by the Sub-Contractor and if in his opinion, the completion of the works is likely to be or has been delayed beyond the date for practical completion stated in the appendix to these conditions or beyond any extended time previously fixed under this clause, by any of the reasons entitling the Contractor to extension of time under sub-clause 36.1 of the main contract, then the Project Manager shall, so soon as he is able estimate the length of the delay beyond the date or time aforesaid, recommend to the Contractor a fair and reasonable extension of time to be granted for the completion of the sub-contract works.
- 25.2 Thereupon, the Contractor shall grant in writing to the Sub-Contractor the recommended time. Provided that the Contractor shall not grant any extension of time to the Sub-Contractor without the written recommendation of the Project Manager. And provided that the Sub-Contractor shall constantly use his best endeavors to prevent delay and shall do all that may be reasonably required to proceed with the works.
- 25.3 The procedures for dealing with requests for extension of time and the observance of time limits prescribed in the main contract shall apply to the sub-contract in the same manner as they apply to the main contract.

26.0 LOSS AND EXPENSE CAUSED BY DISTURBANCE OF REGULAR PROGRESS

- 26.1 If upon written application being made by the Sub-Contractor to the Contractor and to the Project Manager, the project manager is of the opinion that the Sub-Contractor has been involved in direct loss and or expense, for which he would not be reimbursed by a payment made under any other provision in this sub-contract, by reasons of the regular progress of the sub-contract works or any part thereof having been materially affected by any of the

reasons which would entitle the Contractor to reimbursement under the main contract, the Quantity Surveyor shall assess the amount of such loss and or expense.

- 26.2 Any amount so assessed shall be added to the sub-contract price and if an interim certificate is issued after the date of assessment, any such amount shall be added to the amount, which would otherwise be stated as due in such certificate as regards the Sub-Contractor's entitlement.
- 26.3 The procedures for dealing with loss and or expense claims prescribed in the main contract shall apply to the sub-contract in the same manner as they apply to the main contract, as appropriate.

27.0 DAMAGES FOR DELAY IN COMPLETION

- 27.1 If the Sub-Contractor fails to complete the sub-contract works by the date for practical completion stated in the appendix to these conditions or within any extended time fixed under clause 25.0 herein, and the Engineer certifies in writing that in his opinion the same ought reasonably so to have been completed, then the Sub-Contractor shall pay or allow to the Contractor a sum calculated at the rate stated in the said appendix as liquidated damages for the period during which the works shall so remain or have remained incomplete.
- 27.2 The Contractor may deduct such sum from any money due or to become due to the Sub-Contractor under the sub-contract or recover the same from the Sub-Contractor as a debt. Provided that the Contractor shall not be entitled to recover any liquidated damages from the Sub-Contractor without first obtaining the Architect's certificate of delay prescribed herein.

28.0 FLUCTATIONS

- 28.1 Unless otherwise stated in the sub-contract bills or specifications, the sub-contract price shall be deemed to have been calculated to include all duties and taxes imposed by statutory and other competent authorities in the country where the works are being carried out, and
- 28.2 The sub-contract price shall be deemed to be based on currency exchange rates current at the date of tender as regards materials or goods to be specifically imported for permanent incorporation in the works.
- 28.3 Should duties, taxes and exchange rates vary during the period of the contract, compensation thereof shall be calculated in accordance with sub-clause 24.5 of the main contract.
- 28.4 Compensation for change in prices of goods and materials incorporated in the works and in the rates of wages provided for in the main contract shall not apply to the sub-contract unless specifically provided for in the bill of quantities or specifications.

29.0 TERMINATION OF MAIN CONTRACT

- 29.1 If, for any reason, the contractor's employment is terminated either under clause 33.0 of the main contract, this sub-contract shall thereupon also terminate.
- 29.2 Upon termination, the sub-contractor shall cease all work and vacate the site. He shall not remove any equipment or any materials brought onto the site for the carrying out of the works without the written approval of the contractor and the project manager

- 29.3 Where the termination of the main contract occurs without the default of the sub-contractor, the sub-contractor shall be paid by the contractor for work done in the like manner as the Contractor is paid at clause 33.0 of the main contract.
- 29.4 Where the termination of main contract arises from the default by the sub-contractor, the adjustment of the sub-contract accounts shall be performed in the like manner as is provided at sub-clause 33.0 of the main contract regarding the main contract accounts.

30.0 TRMINATION OF SUB-CONTRACT.

- 30.1 Without prejudice to any other rights and remedies which the contractor may possess, if the sub-contractor shall make default in any one or more of the respects which would entitle the employer to terminate the main contract under clause 38.0 therein, the contractor shall give the sub-contractor a notice, with a copy to the Project Manager and to the employer by registered post of recorded delivery specifying the default. Should the sub-contractor continue the default for 14 days after receipt of such notice or at any time thereafter repeat such default and should the Project Manager certify that the sub-contractor is in default, the contractor may terminate the Sub-contract forthwith after the expiry of the notice provided that the notice is not given unreasonably or vexatiously. The termination letter shall be copied to the Project Manager and to the Employer.
- 30.2 Where the sub-contract is terminated due to the default of the sub-contractor as in sub-clause 30.1 herein, the adjustment of sub-contract accounts shall be performed in the like manner as is provided at sub-clause 33.0 of the main contract regarding the main contract accounts.
- 30.3 Without prejudice to any other rights and remedies which the Sub-Contractor may possess, if the Contractor shall make default in one or more of the respects which, if committed by the Employer, would entitle the contractor to terminate the main contract under clause 39.0 therein, the Sub-Contractor shall give the Contractor a notice, with a copy to the Project Manager and to the Employer, by registered post or recorded delivery specifying the default. Should the contractor continue the default for 14 days after receipt of such notice or at any time thereafter repeat such default, and should the Project Manager certify that the contractor is in default, the Sub-Contractor may terminate the sub-contract forthwith after expiry of the notice, provided that the notice is not given unreasonably or vexatiously. The termination letter shall be copied to the Project Manager and to the Employer.
- 30.4 If the Sub-Contract is terminated due to the default of the Contractor as in sub-clause 30.3 herein, the Contractor shall pay the sub-contractor for work done in the like manner as the Contractor would be paid at sub-clause 33 of the main contract where the termination is done by the Contractor.
- 30.5 Where the sub-contract is terminated due to the default of the Contractor, all expenses arising from the termination shall be done wholly by the Contractor and the termination shall not create any liability on the Employer.
- 30.6 Where the sub-contract is terminated due to the default of the Sub-Contractor, the sub-contractor shall be liable to the contractor for all expenses arising therefrom.

31.0 SETTLEMENT OF DISPUTES

- 31.1 In case any dispute or difference shall arise between the Contractor and Sub-Contractor, either during the progress or after the completion or abandonment of the sub-contract works, such dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within 30 days of the notice.
- 31.2 The dispute shall be referred to the arbitration and final decision of a person to be agreed by the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointment by the Chairman or Vice Chairman of the Architectural Association of Kenya or the Chairman or Vice Chairman of The Chartered Institute of Arbitrators, Kenya Branch, at the request of the applying party.
- 31.3 The arbitration may be on the construction of this sub-contract or on any matter or thing of whatsoever nature arising thereunder or in connection therewith including the rights and liabilities of the parties during the currency of the sub-contract and subsequent to the termination of the sub-contract.
- 31.4 Where the sub-contractor is aggrieved by the manner in which the Project Manager has exercised or failed to exercise his powers stipulated in the main contract, or in the sub-contract or by any action or inaction of the Employer, and in particular, if he is aggrieved by:
 - 31.4.1 The failure or refusal of the Project Manager to recommend to the contractor an extension of sub-contract time, or
 - 31.4.2 The extend of the recommended time,
or
 - 31.4.3. The amount certified to the sub-contractor either in an interim in a final Certificate,
or
 - 31.4.4 The issue of an instruction which the sub-contractor contends is not authorized by the main contract or the sub-contract,
or
 - 31.4.5. Any other matter left to the discretion of the Project Manager in the main contract or in the sub-contract, then.
- 31.5 Subject to the Sub-Contractor giving the Contractor such indemnity and security as the Contractor may reasonably require, the Contractor shall allow the Sub-Contractor to use the contractor's name and, if necessary, shall join the Sub-Contractor in arbitration proceeding against the employer to decide the matters in dispute or in difference.
- 31.6 Provided that no arbitration proceedings shall be commenced on any dispute or difference where notice of a dispute or difference where notice of a dispute or difference has not been given by the applying party within 90 days of the occurrence or discovery of the matter or issue giving rise to the dispute or difference.
- 31.7 Notwithstanding the issue of a notice as stated above, the arbitration of such a dispute or difference shall not commence unless an attempt has in the first instance been made by the parties to settle such dispute or difference amicably with or without the assistance of third parties.
- 31.8 In any event, no arbitration shall commence earlier than 90 days after the service of the notice of a dispute or difference, except as provided for at sub-clause 31.9 herein.

- 31.9 Notwithstanding anything stated herein, the following matters may be referred to arbitration before the practical completion of the works or abandonment of the works or termination of the sub-contract without having to comply with sub clause 31.8 herein.
- 31.9.1 Whether or not the issue of an instruction by the Project Manager is authorized by the main contract or these conditions, and
- 31.9.2 Whether or not a payment certificate has been improperly withheld or is not in accordance with the main contract or these conditions or though issued, it has not been honoured.
- 31.10 All other matters in dispute shall only be referred to arbitration after the practical completion or alleged practical completion of the works or abandonment of the works or termination or alleged termination of the sub-contract, unless the project manager the contractor and the sub-contractor agree otherwise in writing.
- 31.11 The Arbitrator shall, without prejudice to the generality of his powers, have power to direct such measurements, computations, tests, or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject or included in any payment certificate.
- 31.12 The Arbitrator shall, without prejudice to the generality of his powers, have power to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion decision, requirement or notice had been given.
- 31.13 Provided that any decision of the Project Manager which is final and binding on the contractor under the main contract shall be final and binding between the contractor and the sub-contractor.
- 31.14 The award of such Arbitrator shall be final and binding upon the parties.

SUB CONTRACTOR’S PERFORMANCE BOND

BY THIS AGREEMENT we(SURETY)
of
are bound to(CONTRACTOR)
in the sum of Kenya shillings
.....(Kshs.)
to be paid by us to the said(CONTRACTOR)
WHEREAS by an agreement in writing dated
.....(SUB-CONTRACTOR)
entered into a sub-contract with(CONTRACTOR)

to carry out and complete the works therein stated in the manner and by the time therein specified all in accordance with the provisions of the said sub-contract, namely:
(description of works)
.....

NOW the condition of the above written bond is such that if the said sub-contractor, his executors, administrator, successors or assigns shall duly perform his obligations under the sub-contract, of if on default by the sub-contractor the surety shall satisfy and discharge the damages sustained by the contractor thereby up to the amount of the above written bond, then this obligation shall be void, otherwise it shall remain in full force and effect. Upon default, and without prejudice to his other rights under the sub-contract, the contractor shall be entitled to demand forfeiture of the bond and we undertake to honour the demand in the amount stated above.

PROVIDED always and it is hereby agreed and declared that no alteration in the terms of the said sub-contract or in the extend or nature of the works to be carried out and no extension of time by the contractor under the sub-contract shall in any way release the surety from any liability under the above written bond.

IN WITNESS whereof we have set out hand this..... day of
.....

Surety

Witness

Authorised by Power of Attorney No.....

APPENDIX

Clause

| | |
|--|---------------------------------------|
| Name of sub-contractor’s insurers | 6.0..... |
| Name of sub-contractor’s surety | 7.0..... |
| Amount of surety | 7.0..... |
| Period of possession of site | 8.1..... |
| Date of commencement of works | 8.2..... |
| Date for practical completion | 8.2..... |
| Interval for application of payment certificates | 23.1..... |
| Minimum amount of payment certificate | 23.4..... |
| Percentage of certified value retained | 23.6..... |
| Limit of retention fund, if any | 23.6..... |
| Name of the sub-contractor’s bank for Purposes of interest calculation. | 23.7, 23.8..... |
| Defects liability period | 23.11..... |
| Period of final measurement and valuation | 23.12..... |
| Damages of delay in completion | 27.1 at the rate of Kshs. 100,000 /wk |

..

Signed by the said:

.....

.....

CONTRACTOR

SUB-CONTRACTOR

APPENDIX TO AGREEMENT AND CONDITIONS OF SUB-CONTRACT FOR BUILDING WORKS

Modify Clause 28.4

This is a fixed price contract.

SECTION C

SUB-CONTRACT PRELIMINARIES

AND

GENERAL CONDITIONS

CONTRACT PRELIMINARIES AND GENERAL CONDITIONS

| <u>CLAUSE</u> | <u>DESCRIPTION</u> | <u>PAGE</u> |
|---------------|---|-------------|
| 1.01 | Examination of Tender Documents | 109 |
| 1.02 | Discrepancies | 109 |
| 1.03 | Conditions of Contract Agreement | 109 |
| 1.04 | Payments | 109 |
| 1.05 | Definition of Terms | 110 |
| 1.06 | Site Location | 111 |
| 1.07 | Duration of contract | 111 |
| 1.08 | Scope of contract Works | 111 |
| 1.09 | Extent of the Contractor’s Duties | 111 |
| 1.10 | Execution of the Works | 112 |
| 1.11 | Validity of Tender | 112 |
| 1.12 | Firm – Price Contract | 112 |
| 1.13 | Variation | 112 |
| 1.14 | Prime Cost and Provisional Sums | 113 |
| 1.15 | Bond | 113 |
| 1.16 | Government Legislation and Regulations | 113 |
| 1.17 | Import Duty and Value Added Tax | 113 |
| 1.18 | Insurance Company Fees | 113 |
| 1.19 | Provision of Services by the Main Contractor | 113 |
| 1.20 | Suppliers | 114 |
| 1.21 | Samples and Materials Generally | 114 |
| 1.22 | Administrative Procedure and Contractual Responsibility | 114 |
| 1.23 | Bills of Quantities | 114 |
| 1.24 | Contractor’s Office in Kenya | 114 |

| | | |
|------|---|-----|
| 1.25 | Builders Work | 115 |
| 1.26 | Structural Provision for the Works | 115 |
| 1.27 | Position of Services, Plant, Equipment, Fittings and Apparatus | 115 |
| 1.28 | Checking of Work | 115 |
| 1.29 | Setting to Work and Regulating System | 116 |
| 1.30 | Identification of Plant and Components | 116 |
| 1.31 | Contract Drawings | 116 |
| 1.32 | Working Drawings | 116 |
| 1.33 | Record Drawings (As Installed) and Instructions | 118 |
| 1.34 | Maintenance Manual | 119 |
| 1.35 | Hand – Over | 119 |
| 1.36 | Painting | 120 |
| 1.37 | Spares | 120 |
| 1.38 | Testing and Inspection – Manufactured Plant | 120 |
| 1.39 | Testing and Inspection – Installation | 120 |
| 1.40 | Labour Camps | 120 |
| 1.41 | Storage of Materials | 121 |
| 1.42 | Initial Maintenance | 121 |
| 1.43 | Maintenance and Servicing after Completion of the Initial Maintenance | 121 |
| 1.44 | Trade Names | 121 |
| 1.45 | Water and Electricity for the Works | 121 |
| 1.46 | Protection | 121 |
| 1.47 | Defects After Completion | 122 |
| 1.48 | Damages for Delay | 122 |
| 1.49 | Clear Away on Completion | 122 |
| 1.50 | Final Account | 122 |
| 1.51 | Fair Wages | 122 |
| 1.52 | Supervision | 122 |

| | | |
|------|--|-----|
| 1.53 | Test Certificates | 123 |
| 1.54 | Labour | 123 |
| 155 | Discounts to the Employer | 123 |
| 1.56 | Guarantee | 123 |
| 1.57 | Direct Contracts | 123 |
| 1.58 | Attendance Upon the Tradesmen | 123 |
| 1.59 | Trade Union | 123 |
| 1.60 | Local and other Authorities notices and fees | 123 |
| 1.61 | Assignment or Subletting | 123 |
| 1.62 | Partial Completion | 124 |
| 1.63 | Temporary Works | 124 |
| 1.64 | Patent Rights | 124 |
| 1.65 | Mobilization And Demobilization | 124 |
| 1.66 | Extended Preliminaries | 124 |
| 1.67 | Supervision by Engineer and Site Meetings | 125 |
| 1.68 | Amendment to Scope of Contract Works | 125 |
| 1.69 | Contractors Obligation and Employers Obligation | 125 |
| 1.70 | Appendix to Sub-Contract preliminaries and General conditions | 126 |

SECTION C

SUB-CONTRACT PRELIMINARIES AND GENERAL CONDITIONS

1.01 Examination of Tender Documents

The tenderer is required to check the number of pages of this document and should he find any missing or indistinct, he must inform the Engineer at once and have the same rectified.

All tenderers shall be deemed to have carefully examined the following:

- a) Work detailed in the Specification and in the Contract Drawings.
- b) The Republic of Kenya Document “General Conditions of Contract for Electrical and Mechanical Works”.
- c) Other documents to which reference is made.

He shall also be deemed to have included for any expenditure which may be incurred in conforming to the above items (a), (b), (c) and observe this expense as being attached to the contract placed for the whole or any part of the work.

The tenderer shall ensure that all ambiguities, doubts or obscure points of detail, are clarified with the Engineer before submission of his tender, as no claims for alleged deficiencies in the information given shall be considered after this date.

1.02 Discrepancies

The Sub-contractor shall include all work either shown on the Contract Drawings or detailed in the specification. No claim or extra cost shall be considered for works which has been shown on the drawings or in the specification alone.

Should the drawing and the specification appear to conflict, the Sub-contractor shall query the points at the time of tendering and satisfy himself that he has included for the work intended, as no claim for extra payment on this account shall be considered after the contract is awarded.

1.03 Conditions of Sub-Contract Agreement

The Sub-contractor shall be required to enter into a Sub-contract with the Main Contractor.

The Conditions of the Contract between the Main Contractor and the Sub-contractor as hereinafter defined shall be the latest edition of the Agreement and Schedule of Conditions of Kenya Association of Building and Civil Engineering Contractors as particularly modified and amended hereinafter.

For the purpose of this contract the Agreement and Schedule of Conditions and any such modifications and amendments shall read and construed together. In any event of discrepancy the modifications and amendments shall prevail.

1.04 Payment

Payment will be made through certificates direct to the subcontractor. All the subcontractors valuations claim must done through the main contractor and subsequently forwarded to the consultants . All payments will be less retention as specified in the Main Contract. No payment will become due until materials are delivered to site.

1.05 **Definition of Terms**

Throughout these contract documents units of measurements, terms and expressions are abbreviated and wherever used hereinafter and in all other documents they shall be interpreted as follows:

- i. The term “**Employer**” shall mean **Kenya Medical Supplies Authority**
- ii. The Term “**Project Manager** ” Shall Mean **Works secretary, State Department of Public Works, Ministry of Transport, Infrastructure, Housing and Urban Development**
- iii. The term “**Architect:** ” shall mean **Maestro Architects Ltd**
- iv. The term “**Quantity Surveyor**” shall mean **M & M Construction Consultants.**
- v. The term “**Civil/Structural Engineers** ” shall mean **Kiri Consult Ltd**
- vi. **Engineer:** The term “**Engineer**” shall mean **Norkun Intakes Ltd**
- vii. **Main Contractor:** The term “**Main Contractor**” shall mean the firm or company appointed to carry out the Building Works and shall include his or their heir, executors, assigns, administrators, successors, and duly appointed representatives.
- viii) **Sub-contractor:** The term “**Sub-contractor**” shall mean the persons or person, firm or Company whose tender for this work has been accepted, and who has entered into a contract agreement with the Contractor for the execution of the Sub-contract Works, and shall include his or their heirs, executors, administrators, assigns, successors and duly appointed representatives.
- viii) **Sub-contract Works:** The term “**Sub-contract Works**” shall mean all or any portion of the work, materials and articles, whether the same are being manufactured or prepared, which are to be used in the execution of this Sub-contract and whether the same may be on site or not.
- ix) **Contract Drawings:** The term “**Contract Drawings**” shall mean those drawings required or referred to herein and forming part of the Bills of Quantities.
- x) **Working Drawings:** The term “**Working Drawings**” shall mean those drawings required to be prepared by the Sub-contractor as hereinafter described.
- xi) **Record Drawings:** The term “**Record Drawings**” shall mean those drawings required to be prepared by the Sub-contractor showing “as installed” and other records for the Sub-contract Works.
- xii) **Abbreviations:**
 - CM** shall mean **Cubic Metre**
 - SM** shall mean **Square Metre**
 - LM** shall mean **Linear Metre**
 - M** shall mean **Metre**
 - LS** shall mean **Lump Sum**
 - mm** shall mean **Millimetres**
 - No.** shall mean **Number**
 - Kg.** shall mean **Kilogramme**
 - KEBS** shall mean **Kenya Bureau of Standards**
 - BS** shall mean. **Current standard British Standard Specification published by the British Standard Institution, 2 Park Street, London W1, England**
 - “Ditto”** shall mean the whole of the preceding description in which it occurs.

Where it occurs in description of succeeding item it shall mean the same as in the first description of the series in which it occurs except as qualified in the description concerned.

Where it occurs in brackets it shall mean the whole of the preceding description which is contained within the appropriate brackets.

1.06 **Site Location**

The site of the Sub-contract Works is situated **at Embakasi Nairobi**

The tenderer is recommended to visit the site and shall be deemed to have satisfied himself with regard to access, possible conditions, the risk of injury or damage to property on/or adjacent to the site, and the conditions under which the sub-contract Works shall have to be carried out and no claims for extras will be considered on account of lack of knowledge in this respect.

1.07 **Duration of Sub-Contract**

The Sub-Contractor shall be required to phase his work in accordance with the Main contractor's program (or its revision). The program is to be agreed with the Main contractor.

1.08 **Scope of Sub-Contract Works**

The sub-contractor shall supply, deliver, unload, hoist, fix, test, commission and hand-over in satisfactory working order the complete installations specified hereinafter and/or as shown on the Contract Drawings attached hereto, including the provision of labour, transport and plant for unloading material and storage, and handling into position and fixing, also the supply of ladders, scaffolding the other mechanical devices to plant, installation, painting, testing, setting to work, the removal from site from time to time of all superfluous material and rubbish caused by the works.

The sub-contractor shall supply all accessories, whether of items or equipment supplied by the Main Contractor but to be fixed and commissioned under this Sub-contract.

1.09 **Extent of the Sub-contractor's Duties**

At the commencement of the works, the Sub-contractor shall investigate and report to the Engineer if all materials and equipment to be used in the work and not specified as supplied by the others are available locally. If these materials and equipment are not available locally, the Sub-contractor shall at this stage place orders for the materials in question and copy the orders to the Engineer. Failure to do so shall in no way relieve the Sub-contractor from supplying the specified materials and equipment in time.

Materials supplied by others for installation and/or connection by the Subcontractor shall be carefully examined in the presence of the supplier before installation and connection. Any defects noted shall immediately be reported to the Engineer.

The Sub-contractor shall be responsible for verifying all dimensions relative to his work by actual measurements taken on site.

The Sub-contractor shall mark accurately on one set of drawings and indicate all alterations and/or modifications carried out to the designed system during the construction period. This information must be made available on site for inspection by the Engineer.

1.10 Execution of the Works

The works shall be carried out strictly in accordance with:

- a) All relevant Kenya Bureau of Standards Specifications.
- b) All relevant British Standard Specifications and Codes of Practice (hereinafter referred to as B.S. and C.P. respectively).
- c) This Specification.
- d) The Contract Drawings.
- e) The Bye-laws of the Local Authority.
- f) The Architect's and/or Engineer's Instructions.

The Contract Drawings and Specifications to be read and construed together.

1.11 Validity of Tender

The tender shall remain valid for acceptance within 120 days from the final date of submission of the tender, and this has to be confirmed by signing the Tender Bond. The tenderer shall be exempted from this Bond if the tender was previously withdrawn in writing to the Employer before the official opening.

1.12 Firm – Price Sub-contract

Unless specifically stated in the documents or the invitation to tender, this is a firm-price Contract and the Sub-contractor must allow in his tender for the increase in the cost of labour and/or materials during the duration of the contract. No claims will be allowed for increased costs arising from the fluctuations in duties and/or day to day currency fluctuations. The Sub-contractor will be deemed to have allowed in his tender for any increase in the cost of materials which may arise as a result of currency fluctuation during the contract period.

1.13 Variation

No alteration to the Sub-contract Works shall be carried out until receipt by the Sub-contractor of written instructions from the Project Manager.

Any variation from the contract price in respect of any extra work, alteration or omission requested or sanctioned by the Project Manager or Engineer shall be agreed and confirmed in writing at the same time such variations are decided and shall not affect the validity of the Contract. Schedule of Unit Rates shall be used to assess the value of such variations. No allowance shall be made for loss of profit on omitted works.

Where the Project Manager requires additional work to be performed, the Sub-contractor, if he considers it necessary, will give notice within seven (7) days to the Main Contractor of the length of time he (the Sub-contractor) requires over and above that allotted for completion of the Sub-contract.

If the Sub-contractor fails to give such notice he will be deemed responsible for the claims arising from the delay occasioned by reason of such extension of time.

1.14 Prime Cost and Provisional Sums

A specialist Sub-contractor may be nominated by the Project Manager to supply and/or install any equipment covered by the Prime Cost or Provisional Sums contained within the Sub-contract documents.

The work covered by Prime Cost and Provisional Sums may or may not be carried out at the discretion of the Architect.

The whole or any part of these sums utilized by the Sub-contractor shall be deducted from the value of the Sub-contract price when calculating the final account.

1.15 **Bond**

The tenderer must submit with his tender the name of one Surety who must be an established Bank only who will be willing to be bound to the Main Contractor for an amount equal to 5 % of the Sub-contract amount as per the Main Contract condition of contract.

1.16 **Government Legislation and Regulations**

The Sub-contractor's attention is called to the provision of the Factory Act 1972 and subsequent amendments and revisions, and allowance must be made in his tender for compliance therewith, in so far as they are applicable.

The Sub-contractor must also make himself acquainted with current legislation and any Government regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc.

The Sub-contractor shall allow for providing holidays and transport for work people, and for complying with Legislation, Regulations and Union Agreements.

1.17 **Import Duty and Value Added Tax**

The Sub-contractor will be required to pay full Import Duty and Value Added Tax on all items of equipment, fittings and plant, whether imported or locally manufactured. The tenderer shall make full allowance in his tender for all such taxes

1.18 **Insurance Company Fees**

Attention is drawn to the tenderers to allow for all necessary fees, where known, that may be payable in respect of any fees imposed by Insurance Companies or statutory authorities for testing or inspection.

No allowance shall be made to the Sub-contractor with respect to fees should these have been omitted by the tenderer due to his negligence in this respect.

1.19 **Provision of Services by the Main Contractor**

In accordance with Clause 1.08 of this Specification the Main Contractor shall make the following facilities available to the Sub-contractor:

- a) Attendance on the Sub-contractor and the carrying out of all work affecting the structure of the building which may be necessary, including all chasing, cutting away and making good brickwork, etc., except that all plugging for fixing, fittings, machinery, fan ducting, etc., and all drilling and tapping of steel work shall be the responsibility of the Sub-contractor. Any purpose made fixing brackets shall not constitute Builder's Work and shall be provided and installed by the Sub-contractor unless stated hereinafter otherwise.
- b) The provision of temporary water, lighting and power: All these services utilized shall be paid for by the Main Contractor. The Sub-contractor shall, however, allow for additional connections/extensions required for his purposes.
- c) Fixing of anchorage and pipe supports in the shuttering, except that all anchorage shall be Supplied by the Sub-contractor who shall also supply the Main Contractor with fully dimensioned drawings detailing the exact locations.
- d)
 - i) Provision of scaffolding, cranes, etc. but only in so far as it is required for the Main Contract Works. It shall be the Sub-contractor's responsibility to liaise with the Main Contractor to ensure that there is maximum co-operation with other Sub-contractors in the use of scaffolding, cranes, etc.
 - ii) Any specialist scaffolding, cranes, etc. by the Sub-contractor for his own exclusive use shall be paid for by the Sub-contractor.

1.20 Suppliers

The Sub-contractor shall submit names of any supplier for the materials to be incorporated, to the Engineer for approval. The information regarding the names of the suppliers may be submitted at different times, as may be convenient, but no sources of supply will be changed without prior approval.

Each supplier must be willing to admit the Engineer or his representative to his premises during working hours for the purpose of examining or obtaining samples of the materials in question.

1.21 Samples and Materials Generally

The Sub-contractor shall, when required, provide for approval at no extra cost, samples of all materials to be incorporated in the works. Such samples, when approved, shall be retained by the Engineer and shall form the standard for all such materials incorporated.

1.22 Administrative Procedure and Contractual Responsibility

Wherever within the Specification it is mentioned or implied that the Sub-contractor shall deal direct with the Employer or Engineer, it shall mean “through the Contractor” who is responsible to the Employer for the whole of the works including the Sub-contract Works.

1.23 Bills of Quantities

The Bills of Quantities have been prepared in accordance with the standard method of measurement of Building Works for East Africa, first Edition, Metric, 1970. All the Quantities are based on the Contract Drawings and are provisional and they shall not be held to gauge or to limit the amount or description of the work to be executed by the Sub-contractor but the value thereof shall be deducted from the Sub-contract Sum and the value of the work ordered by the Engineer and executed there under shall be measured and valued by the Engineer in accordance with the conditions of the Sub-contract.

All work liable to adjustment under this Sub-contract shall be left uncovered for a reasonable time to allow measurements needed for such adjustment to be taken by the Quantity Surveyor or Engineer. Immediately the work is ready for measuring the Sub-contractor shall give notice to the Quantity Surveyor or Engineer to carry out measurements before covering up. If the Sub-contractor shall make default in these respects he shall, if the Project Manager so directs, uncover the work to enable the necessary measurements to be taken and afterwards reinstate at his own expense.

1.24 Sub-contractor’s Office in Kenya

The Sub-contractor shall maintain (after first establishing if necessary) in Kenya an office staffed with competent Engineer Manager and such supporting technical and clerical staff as necessary to control and coordinate the execution and completion of the Sub-contract Works.

The Engineer Manager and his staff shall be empowered by the Sub-contractor to represent him at meetings and in discussions with the Main Contractor, the Engineer and other parties who may be concerned and any liaison with the Sub-contractor’s Head Office on matters relating to the design, execution and completion of the Sub-contract Works shall be effected through his office in Kenya.

It shall be the Sub-contractor’s responsibility to procure work permits, entry permits, licenses, registration, etc., in respect of all expatriate staff.

The Sub-contractor shall prepare a substantial proportion of his Working Drawings at his office in Kenya. No reasons for delays in the preparation or submission for approval or otherwise of such drawings or proposals will be accepted on the grounds that the Sub-contractor’s Head Office is remote from his office in Nairobi or the site of the Sub-contract Works or otherwise.

1.25 **Builder's Work**

All chasing, cutting away and making good will be done by the Main Contractor but the Sub-contractor shall mark out in advance and shall be responsible for accuracy of the size and position of all holes and chases required.

The Sub-contractor shall drill and plug holes in floors, walls, ceiling and roof for securing services and equipment requiring screw or bolt fixings.

Any purpose made fixing brackets shall not constitute builder's work and shall be provided and installed by the Sub-contractor unless stated hereinafter to the contrary.

1.26 **Structural Provision for the Works**

Preliminary major structural provision has been made for the Sub-contract Works based on outline information ascertained during the preparation of the Specification.

The preliminary major structural provision made will be deemed as adequate unless the Sub-contractor stated otherwise when submitting his tender.

Any major structural provision or alteration to major structural provisions required by the Sub-contractor shall be shown on Working Drawings to be submitted to the Engineer within 30 days of being appointed.

No requests for alterations to preliminary major structural provisions will be approved except where they are considered unavoidable by the Engineer. In no case will they be approved if building work is so far advanced as to cause additional costs or delays in the work of the Main Contractor.

1.27 **Position of Services, Plant, Equipment, Fittings and Apparatus**

The Contract Drawings give a general indication of the intended layout. The position of the equipment and apparatus, and also the exact routes of the ducts, main and distribution pipework shall be confirmed before installation is commenced. The exact siting of appliances, pipework, etc., may vary from that indicated.

The routes of services and positions of apparatus shall be determined by the approved dimensions detailed in the Working Drawings or on site by the Engineer in consultation with the Sub-contractor or the Main Contractor.

Services throughout the ducts shall be arranged to allow maximum access along the ducts and the services shall be readily accessible for maintenance. Any work which has to be re-done due to negligence in this respect shall be the Sub-contractor's responsibility.

The Sub-contractor shall be deemed to have allowed in his Sub-contract Sum for locating terminal points of services (e.g. lighting, switches, socket outlets, lighting points, control switches, thermostats and other initiating devices, taps, stop cocks) in positions plus or minus 1.2m horizontally and vertically from the locations shown on Contract Drawings. Within these limits no variations in the Sub-contract Sum will be made unless the work has already been executed in accordance with previously approved Working Drawings and with the approval of the Engineer.

1.28 **Checking of Work**

The Sub-contractor shall satisfy himself to the correctness of the connections he makes to all items of equipment supplied under the Sub-contract agreement and equipment supplied under other contracts before it is put into operation. Details of operation, working pressures, temperatures, voltages, phases, power rating, etc., shall be confirmed to others and confirmation received before the system is first operated.

1.29 Setting to Work and Regulating System

The Sub-contractor shall carry out such tests of the Sub-contract Works as required by British Standard Specifications or equal and approved codes as specified hereinafter and as customary.

No testing or commissioning shall be undertaken except in the presence of and to the satisfaction of the Engineer unless otherwise stated by him (Sub-contractor's own preliminary and proving tests excepted).

It will be deemed that the Sub-contractor has included in the Sub-contract Sum for the costs of all fuel, power, water and the like, for testing and commissioning as required as part of the Sub-contract Works. He shall submit for approval to the Engineer a suitable programme for testing and commissioning. The Engineer and Employer shall be given ample warning in writing, as to the date on which testing and commissioning will take place.

The Sub-contractor shall commission the Sub-contract Works and provide attendance during the commissioning of all services, plant and apparatus connected under the Sub-contract Agreement or other Sub-contract Agreements, related to the project.

Each system shall be properly balanced, graded and regulated to ensure that correct distribution is achieved and where existing installations are affected, the Sub-contractor shall also regulate these systems to ensure that their performance is maintained.

The proving of any system of plant or equipment as to compliance with the Specification shall not be approved by the Engineer, except at his discretion, until tests have been carried out under operating conditions pertaining to the most onerous conditions specified except where the time taken to obtain such conditions is unreasonable or exceeds 12 months after practical completion of the Sub-contract Works.

1.30 Identification of Plant Components

The Sub-contractor shall supply and fix identification labels to all plant, starters, switches and items of control equipment including valves, with white traffolyte or equal labels engraved in red lettering denoting its name, function and section controlled. The labels shall be mounted on equipment and in the most convenient positions. Care shall be taken to ensure the labels can be read without difficulty. This requirement shall apply also to major components of items of control equipment.

Details of the lettering of the labels and the method of mounting or supporting shall be forwarded to the Engineer for approval prior to manufacture.

1.31 Contract Drawings

The Contract Drawings when read in conjunction with the text of the Specification, have been completed in such detail as was considered necessary to enable competitive tenders to be obtained for the execution and completion of the Sub-contract works.

The Contract Drawings are not intended to be Working Drawings and shall not be used unless exceptionally they are released for this purpose.

1.32 Working Drawings

The Sub-contractor shall prepare such Working Drawings as may be necessary. The Working Drawings shall be complete in such detail not only that the Sub-contract Works can be executed on site but also that the Engineer can approve the Sub-contractor's proposals, detailed designs and intentions in the execution of the Sub-contract Works.

If the Sub-contractor requires any further instructions, details, Contract Drawings or information drawings to enable him to prepare his Working Drawings or proposals, the Sub-contractor shall accept at his own cost, the risk that any work, commenced or which he intends to commence at site may be rejected.

The Engineer, in giving his approval to the Working Drawings, will presume that any necessary action has been, or shall be taken by the Sub-contractor to ensure that the installations shown on the Working Drawings have been cleared with the Main Contractor and any other Sub-contractors whose installations and works might be affected.

If the Sub-contractor submits his Working Drawings to the Engineer without first liaising and obtaining clearance for his installations from the Main Contractor and other Sub-contractors whose installations and works might be affected, then he shall be liable to pay for any alterations or modification to his own, the Main Contractor's or other Sub-contractor's installations and works, which are incurred, notwithstanding any technical or other approval received from the Engineer.

Working Drawings to be prepared by the Sub-contractor shall include but not be restricted to the following:

- a) Any drawings required by the Main Contractor, or Engineer to enable structural provisions to be made including Builder's Working Drawings or Schedules and those for the detailing of holes, fixings, foundations, cables and paperwork ducting below or above ground or in or outside or below buildings.
- b) General Arrangement Drawings of all plant, control boards, fittings and apparatus or any part thereof and of installation layout arrangement of such plant and apparatus.
- c) Schematic Layout Drawings of services and of control equipment.
- d) Layout Drawings of all embedded and non-embedded paperwork, ducts and electrical conduits.
- e) Complete circuit drawings of the equipment, together with associated circuit description.
- f) Such other drawings as are called for in the text of the Specification or Schedules or as the Engineer may reasonably require.

Three copies of all Working Drawings shall be submitted to the Engineer for approval. One copy of the Working Drawings submitted to the Engineer for approval shall be returned to the Sub-contractor indicating approval or amendment therein.

Six copies of the approved Working Drawings shall be given to the Main Contractor by the Sub-contractor for information and distribution to other Sub-contractors carrying out work associated with or in close proximity to or which might be affected by the Sub-contract Works.

Approved Working Drawings shall not be departed from except as may be approved or directed by the Engineer.

Approval by the Engineer of Working Drawings shall neither relieve the Sub-contractor of any of his obligations under the Sub-contract nor relieve him from correcting any errors found subsequently in the Approved Working Drawings or other Working Drawings and in the Sub-contract Works on site or elsewhere associated therewith.

The Sub-contractor shall ensure that the Working Drawings are submitted to the Project Manager for approval at a time not unreasonably close to the date when such approval is required. Late submission of his Working Drawings will not relieve the Sub-contractor of his obligation to complete the Sub-contract Works within the agreed Contract Period and in a manner that would receive the approval of the Architect.

1.33 **Record Drawings (As Installed) and Instructions**

During the execution of the Sub-contract Works the Sub-contractor shall, in a manner approved by the Engineer record on Working or other Drawings at site all information necessary for preparing Record Drawings of the installed Sub-contract Works. Marked-up Working or other Drawings and other documents shall be made available to the Engineer as he may require for inspection and checking.

Record Drawings, may, subject to the approval of the Engineer, include approved Working Drawings adjusted as necessary and certified by the Sub-contractor as a correct record of the installation of the Sub-contract Works.

They shall include but not restricted to the following drawings or information:

- a) Working Drawings amended as necessary but titled “Record Drawings” and certified as a true record of the “As Installed” Sub-contract Works. Subject to the approval of the Engineer such Working Drawings as may be inappropriate may be omitted.
- b) Fully dimensioned drawings of all plant and apparatus.
- c) General arrangement drawings of equipment, other areas containing plant forming part of the Sub-contract Works and the like, indicating the accurate size and location of the plant and apparatus suitability cross-referenced to the drawings mentioned in (b) above and hereinafter.
- d) Routes, types, sizes and arrangement of all pipework and ductwork including dates of installation of underground pipework.
- e) Relay adjustment charts and manuals.
- f) Routes, types, sizes and arrangement of all electric cables, conduits, ducts and wiring including the dates of installation of buried works.
- g) System schematic and trunking diagrams showing all salient information relating to control and instrumentation.
- h) Grading Charts.
- i) Valve schedules and locations suitability cross-referenced.
- j) Wiring and piping diagrams of plant and apparatus.
- k) Schematic diagrams of individual plant, apparatus and switch and control boards. These diagrams to include those peculiar to individual plant or apparatus and also those applicable to system operation as a whole.
- l) Operating Instruction

Schematic and wiring diagrams shall not be manufacturer’s multipurpose general issue drawings. They shall be prepared specially for the Sub-contract Works and shall contain no spurious or irrelevant information.

Marked-up drawings of the installation of the Sub-contract Works shall be kept to date and completed by the date of practical or section completion. Two copies of the Record Drawings of Sub-contract Works and two sets of the relay adjustment and grading charts and schematic diagrams on stiff backing shall be provided not later than one month later.

The Sub-contractor shall supply for fixing in sub-stations, switch-rooms, boiler houses, plant rooms, pump houses, the office of the Maintenance Engineer and other places, suitable valve and instructions charts, schematic diagrams of instrumentation and of the electrical reticulation as may be requested by the Engineer providing that the charts, diagrams, etc., relate to installations forming part of the Sub-contract Works. All such charts and diagrams shall be of suitable plastic material on a stiff backing and must be approved by the Engineer before final printing.

Notwithstanding the Sub-contractor’s obligations referred to above, if the Sub-contractor fails to produce to the Engineer’s approval, either:-

- a) The Marked-up Drawings during the execution of the Sub-contract Works or
- b) The Record Drawings, etc., within one month of the Section or Practical Completion

The Engineer shall have these drawings produced by others. The cost of obtaining the necessary information and preparing such drawings, etc., will be recovered from the Sub-contractor.

1.34 **Maintenance Manual**

Upon Practical Completion of the Sub-contract Works, the Sub-contractor shall furnish the Engineer four copies of a Maintenance Manual relating to the installation forming part of all of the Sub-contract Works.

The manual shall be loose-leaf type, International A4 size with stiff covers and cloth bound. It may be in several volumes and shall be sub-divided into sections, each section covering one Engineering service system. It shall have a ready means of reference and a detailed index.

There shall be a separate volume dealing with Air Conditioning and Mechanical Ventilation installation where such installations are included in the Sub-contract Works.

The manual shall contain full operating and maintenance instructions for each item of equipment, plant and apparatus set out in a form dealing systematically with each system. It shall include as may be applicable to the Sub-contract Works the following and any other items listed in the text of the Specifications:

- a) System Description.
- b) Plant
- c) Valve Operation
- d) Switch Operation
- e) Procedure of Fault Finding
- f) Emergency Procedures
- g) Lubrication Requirements
- h) Maintenance and Servicing Periods and Procedures
- i) Colour Coding Legend for all Services
- j) Schematic and Writing Diagrams of Plant and Apparatus
- k) Record Drawings, true to scale, folded to International A4 size
- l) Lists of Primary and Secondary Spares.

The manual is to be specially prepared for the Sub-contract Works and manufacturer's standard descriptive literature and plant operating instruction cards will not be accepted for inclusion unless exceptionally approved by the Engineer. The Sub-contractor shall, however, affix such cards, if suitable, adjacent to plant and apparatus. One spare set of all such cards shall be furnished to the Engineer.

1.35 **Hand-over**

The Sub-contract Works shall be considered complete and the Maintenance and Defects Liability Period shall commence only when the Sub-contract Works and supporting services have been tested, commissioned and operated to the satisfaction of the Engineer and officially approved and accepted by the Employer, provided always that the handing over of the Sub-contract Works shall be coincident with the handing over of the Main Contract Works.

The procedure to be followed will be as follows:

- a) On the completion of the Sub-contract Works to the satisfaction of the Engineer and the Employer, the Sub-contractor shall request the Engineer, at site to arrange for handing over.
- b) The Engineer shall arrange a Hand-over Meeting or a series thereof, at site.
- c) The Sub-contractor shall arrange with the Engineer and Employer for a complete demonstration of each and every service to be carried out and for instruction to be given to the relevant operation staff and other representatives of the Employer.
- d) In the presence of the Employer and the Engineer, Hand-over will take place, subject to

Agreement of the Hand-over Certificates and associated check lists.

1.36 **Painting**

It will be deemed that the Sub-contractor allowed for all protective and finish painting in the Sub-contract Sum for the Sub-contract Works, including colour coding of service pipework to the approval of the Engineer. Any special requirements are described in the text of the Specifications.

1.37 **Spares**

The Sub-contractor shall supply and deliver such spares suitably protected and boxed to the Engineer's approval as are called for in the Specifications or in the Price Schedules.

1.38 **Testing and Inspection – Manufactured Plant**

The Engineer reserves the right to inspect and test or witness of all manufactured plant equipment and materials.

The right of the Engineer relating to the inspection, examination and testing of plant during manufacture shall be applicable to Insurance companies and inspection authorities so nominated by the Engineer.

The Sub-contractor shall give two week's notice to the Engineer of his intention to carry out any inspection or tests and the Engineer or his representative shall be entitled to witness such tests and inspections

Six copies of all test certificates and performance curves shall be submitted as soon as possible after the completion of such tests, to the Engineer for his approval.

Plant or equipment which is shipped before the relevant test certificate has been approved by the Engineer shall be shipped at the Sub-contractor's own risk and should the test certificate not be approved new tests may be ordered by the Engineer at the Sub-contractor's expense.

The foregoing provisions relate to tests at manufacturer's works and as appropriate to those carried out at site.

1.39 **Testing and Inspection -Installation**

Allow for testing each section of the Sub-contract Works installation as described hereinafter to the satisfaction of the Engineer.

1.40 **Labour Camps**

The Sub-contractor shall provide the necessary temporary workshop and mess-room in position to be approved by the Architect.

The work people employed by the Sub-contractor shall occupy or be about only that part of the site necessary for the performance of the work and the Sub-contractor shall instruct his employees accordingly.

If practicable, W.C. accommodation shall be allocated for the sole use of the Sub-contractor's workmen and the Sub-contractor will be required to keep the same clean and disinfected, to make good any damage thereto and leave in good condition.

1.41 **Storage of Materials**

Space for storage will be provided by the Main contractor but the sub-contractor will be responsible for provision of any lock-up sheds or stores required.

Nominated Sub-contractors are to be made liable for the cost of any storage accommodation provided specially for their use. No materials shall be stored or stacked on suspended slabs without the prior approval of the Project manager.

1.42 **Initial Maintenance**

The sub-contractor shall make routine maintenance once a month during the liability for the Defects Period and shall carry out all necessary adjustments and repairs, cleaning and oiling of moving parts. A monthly report of the inspection and any works done upon the installation shall be supplied to the Engineer.

The sub-contractor shall also provide a 24 -hour break-down service to attend to faults on or malfunctioning of the installation between the routine visits of inspection.

The sub-contractor shall allow in the sub-contract Sum of the initial maintenance, inspection and break-down service and shall provide for all tools, instruments, plant and scaffolding and the transportation thereof, as required for the correct and full execution of these obligations and the provision, use or installation of all materials as oils, greases, sandpaper, etc., or parts which are periodically renewed such as brake linings etc., or parts which are faulty for any reason whatsoever excepting always Acts of God such as storm, tempest, flood, earthquake and civil revolt, acts of war and vandalism.

1.43 **Maintenance and Servicing After Completion of the Initial Maintenance**

The sub-contractor shall, if required, enter into a maintenance and service agreement with the employer for the installation for a period of up to five years from the day following the last day of the liability for Defects Period which offers the same facilities as specified in Clause 1.42 (Initial Maintenance).

The terms of any such agreement shall not be less beneficial to the employer than the terms of Agreements for either similar installation.

The sub-contractor shall submit with his tender for the works, where called upon a firm quotation for the maintenance and service of the installation as specified herein, which shall be based upon the present day costs and may be varied only to take into account increases in material and labour unit rate costs between the time of tendering and the signing of the formal maintenance and service agreement and which shall remain valid and open for acceptance by the Employer to and including the last day of the fifth complete calendar month following the end of the liability for Defects Period.

1.44 **Trade Names**

Where trade names of manufacturer's catalogue numbers are mentioned in the Specification or the Bills of Quantities, the reference is intended as a guide to the type of article or quality of material required. Alternate brands of equal and approved quality will be acceptable.

1.45 **Water and Electricity for the Works**

These will be made available by the Main Contractor. The Sub-contractor shall be liable for the cost of any water or electric current used and for any installation provided especially for their own use by the Main Contractor.

1.46 **Protection**

The sub-contractor shall adequately cover up and protect his own work to prevent injury and also to cover up and protect from damage all parts of the building or premises where work is performed by him under the Contract.

1.47 **Defects After Completion**

The defects liability period will be 6 months from the date of completion of the Main Contract as certified by the Engineer.

1.48 **Damages for Delay**

Liquidated and Ascertained damages as stated in the Main Contract Agreement will be claimed against the Main Contract for any unauthorised delay in completion. The Sub-contractor shall be held liable for the whole or a portion of these damages should he cause delay in completion.

1.49 **Clear Away on Completion**

The sub-contractor shall, upon completion of the works, at his own expense, remove and clear away all plant, equipment, rubbish and unused materials, and shall leave the whole of the works in a clean and tidy state, to the satisfaction of the Engineer. On completion, the whole of the works shall be delivered up clean, complete and perfect in every respect to the satisfaction of the Engineer.

1.50 Final Account

On completion of the works the sub-contractor shall agree with the Engineer the value of any variations outstanding and as soon as possible thereafter submit to the Engineer his final statement of account showing the total sum claimed sub-divided as follows:

Statement A - detailing the tender amounts less the Prime Cost and Provisional Sums, included therein.

Statement B - detailing all the variation orders issued on the contract.

Statement C - Summarizing statement A and B giving the net grand total due to the Contractor for the execution of the Contract.

1.51 Fair Wages

The sub-contractor shall in respect of all persons employed anywhere by him in the execution of the sub-contract, in every factory, workshop or place occupied or used by him for execution of the Contract, observe and fulfill the following conditions:

- a) The sub-contractor shall pay rates of the wages and observe hours and conditions of labour not less favourable than those established for the trade or industry in the district where work is carried out.
- b) In the absence of any rates of wages, hours or conditions of labour so established the sub-contractor shall pay rates and observe hours and conditions of labour are not less favourable than the general level of wages, hours and conditions observed by other employers whose general circumstances in the trade or industry in which the Contractor is engaged are similar.

1.52 Supervision

During the progress of the works, the Sub-contractor shall provide and keep constantly available for consultation on site an experienced English - speaking Supervisor and shall provide reasonable office facilities, attendance, etc., for the Supervisor.

In addition, during the whole of the time the works are under construction, the sub-contractor shall maintain on site one experienced foreman or charge-hand and an adequate number of fitters, etc., for the work covered by the Specification. The number of this staff shall not be reduced without the prior written approval of the Project manager or Engineer.

Any instructions given to the Supervisor on site shall be deemed to have been given to the sub-contractor.

One copy of this Specification and one copy of each of the Contract Drawings (latest issue) must be retained on site at all times, and available for reference by the Engineer or sub-contractor.

1.53 Test Certificates

The Sub-contractor shall provide the Engineer with three copies of all test reports or certificates that are or may be required by this Specification.

1.54 Labour

The Sub-contractor shall provide skilled and unskilled labour as may be necessary for completion of the contract.

1.55 Discount to the Main Contractor

No discount to the Main Contractor will be included in the tender for this installation.

1.56 Guarantee

The whole of the work will be guaranteed for a period of six months from the date of the Engineer's certification of completion and under such guarantee the Sub-contractor shall remedy at his expense all defects in materials and apparatus due to faulty design, construction or workmanship which may develop in that period.

1.57 Direct Contracts

Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C Sum in the Bills of Quantities and to pay for the same direct. In any such instance, profit relative to the P.C Sum in the priced Bills of Quantities will be adjusted as deserved for P.C Sum allowed.

1.58 Attendance Upon the Tradesmen etc

The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this contract every facility for carrying out their work and also for the use of ordinary scaffolding. The contractor however, shall not be required to erect any special scaffolding for them.

1.59 Trade Unions

The contractor shall recognize the freedom of his work people to be members of trade unions.

1.60 Local and other Authorities notices and fees

The contractor shall comply with and give all notices required by any Regulations, Act or by Law of any Local Authority or of any Public Service, Company or Authority who have any jurisdiction with regard to the works or with those systems the same are or will be connected and he shall pay and indemnify the Government against any fees or charges legally demandable under any regulation or by-law in respect of the works; provided that the said fees and charges if not expressly included in the contract sum or stated by way of provisional sum shall be added to the contract sum.

The contractor before making any variation from the contract drawings or specification necessitated by such compliance shall give the Project Manager written notice specifying and giving the reason for such variation and applying for instructions in reference thereto.

If the contractor within seven days of having applied for the same does not receive such instructions, he shall proceed with the works in conforming to the provision regulation or by-law in question and any variation thereby necessitated shall be deemed to be a variation in accordance to the conditions of contract.

1.61 Assignment or subletting

The contractor shall not without the written consent of the Project Manager assign this contract or sublet any portion of the works, provided that such consent shall not be unreasonably withheld to the prejudice of the contractor.

1.62 Partial Completion

If the Government shall take over any part or parts works, apparatus, equipment etc. then within seven days from the date on which the Government shall have taken possession of the relevant part, the Project Manager shall issue a Certificate stating his estimate of the approximate total value of the works which shall be the total value of that part and practical completion of the relevant part shall be deemed to have occurred, and the Defects Liability Period in respect of the relevant part be deemed to have commenced on the date Government shall have taken possession thereof.

The contractor shall make good any defects or other faults in the relevant part that had been deemed complete.

The contractor shall reduce the value of insurance by the full value of the relevant part

The contractor shall be paid for the part of works taken possession by the Government

1.63 Temporary Works

Where temporary works shall be deemed necessary, such as Temporary lighting, the contractor shall take precaution to prevent damage to such works.

The contractor shall include for the cost of and make necessary arrangements with the Project Manager for such temporary works. For temporary lighting, electricity shall be metered and paid for by the contract

1.64 Patent Rights

The contractor shall fully indemnify the Government of Kenya; against any action, claim or proceeding relating to infringement of any patent or design rights, and pay any royalties which may be payable in respect of any article or any part thereof, which shall have been supplied by the contractor to the Project Manager. In like manner the Government of Kenya shall fully indemnify the contractor against any such action, claim or proceedings for infringement under the works, the design thereof of which shall have been supplied by the Project Manager to the contractor, but this indemnify shall apply to the works only, and any permission or request to manufacture to the order of the Project Manager shall not relieve the contractor from liability should he manufacture for supply to other buyers.

1.65 Mobilization and Demobilization

The contractor shall mobilize labour plant and equipment to site according to his programme and schedule of work. He shall ensure optimum presence and utilization of labour, plant and equipment. He should not pay and maintain unnecessary labour force or maintain and service idle plant and equipment. Where necessary he shall demobilize and mobilize the labour, plant and equipment, as he deems fit to ensure optimum progress of the works and this shall be considered to be a continuous process as works progress. He shall make provision for this item in his tender. No claim will be entertained where the contractor has not made any provision for mobilization and demobilization of labour, plant and equipment in the preliminary bills of quantities or elsewhere in this tender.

1.66 Extended Preliminaries

Where it shall be necessary to extend the contract period by the Project manager the contractor shall still ensure availability on site, optimum labour, materials, plant and equipment. The contractor shall make provision for extended preliminaries, should the contract period be extended and this shall be in a form of a percentage of the total Contractor works. Where called upon in the Appendix to these Preliminaries the Contractor shall insert his percentage per month for extended preliminaries that shall form basis for compensation.

Lack of inserting the percentage shall mean that the sub-contractor has provided for this requirement elsewhere in the Bills of Quantities.

1.67 Supervision by Engineer and Site Meetings

A competent Project Engineer appointed by the Engineer as his representative shall supervise the Contract works. The Project Engineer shall be responsible for issuing all the site instructions in any variations to the works and these shall be delivered through the Contractor with the authority of the Project Manager. Any instructions given verbal shall be confirmed in writing.

The project engineer and (or) the Engineer shall attend management meetings arranged by the Project Manager and for which the Contractor or his representative shall also attend. For the purpose of supervising the project, provisional sums are provided to cover for transport and allowances. The Contractor shall in his tender allow for the provision of management meetings and site inspections, as instructed by the Engineer, and also profit and attendance on these funds. The funds shall be expended according to Project Manager's instructions to the contractor.

1.68 Amendment to Scope of Contract Works

No amendment to scope of sub-contract works is expected and in case of amendment or modification to scope of work, these shall be communicated to all tenderers in sufficient time before the deadline of the tender submission. However during the contract period and as the works progress the Project Manager may vary the works as per conditions of contract by issuing site instructions.

No claims shall be entertained on account of variation to scope of works either to increase the works (pre-financing) or reduction of works (loss of profit-see clause 1.70)

1.69 Contractor Obligation and Employers Obligation

The sub-contractor will finance all activities as part of his obligation to this contract. The employer shall pay interim payment for materials and work completed on site as his obligation in this contract, as the works progresses. No claims will be entertained for pre-financing of the project by the sub-contractor, or for loss of profit (expectation loss) in case of premature termination, reduction or increase of works as the sub-contractor shall be deemed to have taken adequate measures in programming his works and expenditure and taken necessary financial precaution while executing the works. No interest shall be payable to the Contractor, except as relates to late payment as in the conditions of contract clause 23.3. The contractor shall where called upon, insert his price to compensate for any of the occurrence stated here (premature termination, reduction or increase of works), as a percentage of the contract sum in the Appendix to this section.

1.70 **APPENDIX TO SUB-CONTRACT PRELIMINARIES AND GENERAL CONDITIONS**

1. ADD TO CLAUSE 1.17

Prices quoted shall include **16% VAT**

In accordance with current Government policy, the **3% Withholding Tax** and **6% advance V,A.T** shall be deducted from all payments made to the sub-contractor, and the same shall subsequently be forwarded to the Kenya Revenue Authority (KRA). The applicable taxes shall be varied according to the Act and Regulations in force.

LIFT

INSTALLATIONS

PARTICULAR

SPECIFICATIONS

2b. PARTICULAR SPECIFICATIONS FOR LIFT INSTALLATIONS

1. SCOPE

The Contractor shall supply labour and supply, deliver, install, fix, connect, test, label and commission the Lift works, clean, complete and working to every detail as described in the specification and by related specifications and on the drawings listed in the Schedule or Drawings to the satisfaction of the Consulting Engineers.

The Contractor shall be responsible for the supply, delivery, installation, connection, testing and setting to work of the entire Lift system in accordance with the Contract Documents.

The Contractor shall provide all the necessary tools, skilled and un-skilled labour to comply and complete in accordance with the main contractor's works program.

2. STANDARDS & CODES

The Lift shall follow the latest EN81 Standard as a minimum for the lift installations i.e. incorporating:

- 2.1 **EN81-20/50:2017** - Safety rules for the construction and installation of lifts. Electric lifts.
- 2.2 **EN 12015:1998** - Electromagnetic compatibility. Product family standard for lifts, escalators and passenger conveyors. Emission.
- 2.3 **EN 12016:2004** - Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Immunity.
- 2.4 **EN81-70** - Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Accessibility to lifts for persons including persons with disability.
- 2.5 **EN81-72** - Safety rules for the construction and installation of Firefighters lift.
- 2.6 **EN81-58** - Safety Rules for construction and installation of lifts -Examination and tests Part 58: Landing doors fire resistance test.
- 2.7 **EN81-73** - Behavior of Elevators in event of fire.

The Lift shall also follow the following Directives and Regulations

- 2.8 Lift Directive (2014/33/AB)
- 2.9 Regulation on Elevator Maintenance and Management
- 2.10 Regulation on the Fire Protection of Buildings.

The Lifts shall also comply with the latest KEBS & Other Government standards as stipulated.

3. GENERAL PROVISION

The lifts shall be of the traction type and shall serve floors as indicated in Schedules & Specifications.

The Lifts shall be installed to serve all the floors the shaft exists but configured such that particular groups shall be serving specific floors.

4. ENVIRONMENTAL CONDITIONS

- 4.1 The lifts shall operate in a stand-by mode during off-peak and idle periods. For example the power side of the lift controller and other auxiliary equipment such as lift car lighting and ventilation fan switch shall be off when the lift is not in motion
- 4.2 Minimum heat dissipation due to the energy consumption shall be provided
- 4.3 Drive System shall have:
 - 4.3.1 THD shall be $\leq 3\%$
 - 4.3.2 Line impedance shall be $< 50\text{m Ohm}$
- 4.4 Traction sheave ropes shall have large diameter to increase life time.
- 4.5 Amount of epoxy resin for stator winding shall be reduced.
- 4.6 Steel for balancing weight of traction sheave shall be provided.
- 4.7 MRL technology shall be used for elevators below 2.5m/s.
- 4.8 Regenerative drive technology shall be used for elevators with a speed of above 4m/s
- 4.9 All elevators traction machines shall not need lubrication.
- 4.10 Gearless drive system with frequency controller shall enable direct power transfer for highly efficient energy usage.
- 4.11 Major parts should be made of steel and cast iron. Therefore;
 - 4.11.1 DC-commuter carbon brushes shall not be used.
 - 4.11.2 Oil shall not be used.
 - 4.11.3 Brake lining shall be free of any harmful material.

THE PLANT

5. LIFTS SPECIFIC DETAILS

The lift specific details shall be as summarized in “**SCHEDULE No. 1**” The bidder is to follow the guideline from the schedule and confirm by filling in the section to be filled by the bidder as a confirmation on the same.

6. TYPE

The lifts shall be electric and must comply with the current edition of the EN Standards safety standards code.

The lifting machine shall be electronically controlled via AC variable voltage, variable frequency, geared machine designed to give fully regulated direct landing approach, with motor, brake and driving sheave assembled on a steel bedplate.

The motor shall be particularly designed for general purpose duties with high starting torque and low starting current.

Sound reducing material shall be installed under the machine and suitable beams shall be provided for mounting the machine above the lift shaft in the machine room at the roof top.

The bidder must provide for a steel structure for both cars and counter weight guide rails.

7. TRAVEL HEIGHTS & LEVELS SERVED

The lift(s) travel height and Levels is as summarized in “**SCHEDULE No. 2**” The bidder is to follow the guideline from the schedule

8. CONTROL (MICROPROCESSOR BASED)

Lift Shall have Microprocessor based controls i.e. individual control, jerk less type with automatic leveling facilities.

NOTE: The Bidder shall submit a brief summary of how their microprocessor shall behave, and shall be called upon to demonstrate at the time of commissioning of the lift that the system behaves as described below.

9. BMS

The lift must be compatible with the Building Management System (BMS) by use of the BACNET IP protocol unless otherwise specified in the schedules. Both the software and hardware necessary for this MUST be supplied with the lift.

Where a different protocol is provided the cost of equipment must include the cost of providing the necessary gateway to convert to BACNET IP protocol with provisions for connection with the existing system in the building included in the costing.

10. MODE OF OPERATION

The lift Mode of Operation shall be as follows:

10.1 Group Car Supervisory

The operation of the lifts shall be capable of group car supervisory full collective with Microprocessor programming unless specifically stated otherwise in schedule No.1 on lift Specific details.

10.2 Time Traffic Monitoring

During morning, mid-day and evening peak times, the computer system shall monitor and analyze all car and hall calls and instantly assign the car to suit an unlimited number of varying passenger traffic patterns created during peak and non-peak periods.

10.3 Traffic Conditions assignment

The system shall respond to traffic conditions and modify its assignment procedures to operate in the following modes.

a) Light/Intermittent/Up-Peak/Down Peak

In the "Light" mode, the car is parked in predetermined zones of the building. The car will park at the main floor car park with its doors open.

b) Intermittent Peak

In the "Intermittent" mode, the car will have split zones at the half-way point with the car serving the floors to which it is closest. Once a car is committed to travel in one direction it will become "Low bidder" for calls ahead, but "High bidder" for calls behind. Hall calls will be assigned to the lowest bidder.

The car will complete service in one direction before reversing and is permitted to reverse at the highest or lowest call. Cars will return to unoccupied parking zones when idle.

c) Down Peak

The "Down-Peak" condition will be detected by monitoring the number of down hall calls, down boarding rates and down lobby arrival loadings. Under down peak traffic, hall calls are grouped in the sequence of registration and assigned to be served in this sequence, and approximate "first-in/first-out" pattern.

d) Up-Peak

The "Up-peak" mode is initiated when the car leaves the main floor in the up-direction with loadings above predetermined level increasing. Cars are permitted to depart from the main floor without predetermined timing.

e) Non-Peak

A "Non-Peak" Situation is recognized when both Up-Peak and Down -Peak conditions are detected. The car sent to the lobby to serve incoming traffic will be reduced compared to pure "Up -Peak" and no limitations will apply to service for downfalls

10.4 Priority Assignment

The simplex supervisory system shall give priority to service designated floors where heavier traffic can be anticipated. The free car will park at these floors in anticipation of passenger requirements. The ground floor shall be regarded as the first priority floor but any floor experiencing a sudden high demand shall immediately be temporarily assigned as a priority floor.

10.5 Car Reservation

A reservation control arrangement shall be provided for each car by means of a key Switch in the car operating panel. By operating this key, a car can be removed from Ground control and be operated by an attendant. When on reservation control, the car shall respond to a car button only.

10.6 Car Hold Time delay

A time delay shall hold the car for an adjustable interval of a few seconds at the landings at which stops are made to enable passengers to enter or leave the car. Pressure of a car button for another landing before this time elapse shall cause the car to start, provided the car door and landing doors are closed.

10.7 Bypass Switch

The lift shall be provided with automatic by-pass device to prevent unnecessary stops when the car is full.

10.8 Safety Controller

The car shall be fitted with a lift system Controller / or safe landing device which shall stop the car and move it to the ground floor landing and open the car doors in case any of any of the safety devices failing to operate or power fails.

The controller must also stop the car whenever excessive descending or ascending speed is attained by cutting off power to the motor and activation of the brake. It shall also be able to bring the car to a stop at the upper ground floor landings independent of the regular operating device in the car.

Final limit switches shall be provided in the hoist way, operated by the car and arranged to stop the car, by cutting off power to the motor, and prevent normal stopping device.

The power packs to the Controller shall be provided with mains charging units which shall maintain them at peak power continually.

10.9 Maintenance Direction Controls

To facilitate inspection, a manually operated switch on the controller connected to "UP" and "Down" directions buttons exposed on the top of the car shall be provided. The switch shall permit the car to be operated at slow speed from the top respond to any calls.

10.10 Self Levelling Controls

The lift shall be provided with a self-leveling/landing feature that will automatically bring the car to the floor landings. The device shall be entirely automatic and independent of the operating device, and shall correct for over-travel or under-travel and rope stretch. The car shall also be maintained approximately level (within 6mm) with the landing, irrespective of load.

10.11 Manual Controls

Provision shall be made for moving the car manually to the nearest landing in case of total failure of lift controller device or in an event of power outage.

11. EMERGENCY LANDING DEVICE

All lifts shall be incorporated with an Automatic Transient safe landing device to stop the lift & move it to the next landing in event of a fault or power outage. The Elevator Emergency Landing Device shall only be in operation during an event of a power failure or blackouts occurring in a building.

Upon power failure, the elevator shall automatically move and stop at the nearest floor using a rechargeable battery (or uninterruptible power supply, UPS), and the doors open to ensure passenger safety.

12. AIR PRESSURE MITIGATION

All lifts above 3m/s (Both Car & Hoist way) shall be incorporated with designs to reduce Air Pressure Effects i.e. Air pressure designed to have release holes.

CAR CONTROLS & INDICATORS

13. CAR OPERATING PANEL (COP)

An operating panel shall be fitted into each lift car. The panel shall be mounted flush with the car wall finish and shall be housed in a metal case fitted with silver anodized or a stainless steel case.

The COP shall include paraplegic facilities i.e.:

- i. All call buttons shall include instructions in Braille for the visually impaired
- ii. Panel shall be at a height where it can be operated from a wheelchair
- iii. Panel shall be incorporated with voice command for the visually impaired
- iv. Panel shall have incorporated visual graphics for the hearing impaired

The COP shall comprise of: -

- (a) A series of electronic touch buttons corresponding to the landings served. Each button shall illuminate to show the floor for which a car dispatch call is registered.
- (b) Switches for fan and lights.
- (c) Door OPEN button
- (d) Door CLOSE button
- (e) Overload indicator
- (f) Alarm button connected to a battery powered intercom systems
- (g) Intercom system
- (h) Car lights must be off when the lift is at standstill
- (i) Key switches to control;
 - Fire master Control
 - Independent service

As stated in the “CONTROL (MICROPROCESSOR BASED)” section above, the lift must be BMS compatible and ready. Both the software and hardware necessary for this must be supplied with the lift.

14. CAR POSITION AND DIRECTION INDICATOR

A self-illuminated car position and direction indicator housed in a steel case, shall be mounted in the car door header and fitted with stainless steel cover plate. It shall be fitted at such an angle that it is easily visible and legible to any passenger in a full cabin. The display digits shall have a minimum height of 40 mm.

A similar direction indicator shall be mounted above each of the landing doors.

The lift to include voice synthesizers to give audible voice prompts giving the direction of travel, the opening and closing of doors and any other information useful to a visually impaired person.

15. LANDING CALL BUTTONS

At each landing, one stainless steel flush-mounted panel, with a set of electronic touch buttons each for "Up" and "Down" shall be provided, having both visual and brailled signage. The buttons must light up when a call is registered. Direction arrow lights to be incorporated in all landing button plates, arranged so that when a button is pressed the corresponding arrow will illuminate indicating the direction of the call which is registered.

LIFT DOORS (CAR & LANDING)

16. LANDING & CAR DOORS TYPE

The doors shall be fully automatic two panels, center opening high speed sliding doors unless otherwise stated in the schedules

17. DOOR OPERATOR (CAR AND LANDING)

The Door Operator shall comprise of the following features:

- (a) An electric door operator shall be provided to open simultaneously the car and landing doors when the car is approximately 200mm from a landing. The operator shall be self-contained computer compatible electronic controlled drive system capable of communicating with the lift microprocessor equipment and passenger sensors and independently execute the opening and closing commands door. It shall have programmed closing and opening doors speeds that shall be traffic dependent. Highest door speeds shall be used during intensive peak traffic. Thus the opening, closing and dwell times shall be fully adjustable for speed and time.
- (b) The door dwell time shall be automatically reduced to approximately one second when a car floor button is pressed; also when a passenger leaves the car at his destination even when no incoming passenger presses a new car floor button.
- (c) Emergency key provision shall be made to open doors to all landings from outside the hoist way. It shall also be possible to open the doors manually from within the car, provided the car is within the landing zone.
- (d) An electronic contact for the lift car door shall be provided which shall prevent the lift movement away from the landing unless the car and landing doors are in the closed position. The landing door shall be equipped with a positive electro-mechanical interlock and auxiliary door closing device so that the lift can be operated only after the interlock circuit is established.
- (e) Should the load on the car exceed the maximum load, the car and landing doors shall not close, and an audible alarm shall be sounded.
- (f) The doors shall open automatically while the car is leveling at the respective landing. The doors shall automatically close after programmable traffic dependent time interval has elapsed; but momentary pressure on the "Door Open" button installed in the car shall reverse the motion and re-open the doors and reset the time interval.
- (g) The car landing door leading edge shall be provided with protective electronic sensing device extending the full height and projecting beyond the front edge of the door. This device shall be so arranged that, should it sense a person or any obstruction in its path while the doors are closing, it shall automatically cause both the car and the landing door to return to open position. The zone of protection shall be at least 100 mm in advance of the car and landing door edges.
- (h) Each car shall be equipped with sensor detecting passenger movements on the landing in front of the car, also when the car door is only partly open.
- (i) To prevent accidents when passengers intentionally put their hands between the doors to cause re-openings at least one detector shall cover the whole door area and remain active until the door is fully closed. The passenger detector and the electronic safety edge shall complement each other in such a way that should one fail, the other alone will assure a safe and comfortable door operation.
- (j) In intensive traffic situations when the lift stops for car call only and the probability exists that only one or a few of the passengers will leave the car, the doors shall be capable of partial opening to

provide for faster operation and optimum use of transportation capacity. Partial opening to be at least 800mm.

- (k) There shall be an invisible frequency source (e.g. infra-red rays) arrangement projecting a beam of electromagnetic waves across the lift car entrance. After a stop is made, the door shall remain open, as stated above, for a predetermined interval which should be adjustable, unless closing is initiated sooner by the interruption and re-establishment of the beam. The doors shall be prevented from closing as long as either beam is interrupted or the car door protective device is actuated, except as provided below.
- (l) If, while the doors are closing either electromagnetic wave beam is interrupted by a passenger entering or leaving the car, or the car door protective device is actuated, the doors shall stop and re-open, after which the doors shall again start to close.
- (m) The lift shall be fitted with an audible sounder that shall be triggered as and when the car and landing doors commence to swing open at a landing stop.
- (n) Nudging - If the doors are held open for a predetermined time (15 to 20 seconds; adjustable) by interrupting the light rays/detector “site”, or by holding the door, or by pressing the door open button, a buzzer will sound and the doors shall start to close at a gentle slow speed.

18. LANDING DOORS & ARCHITRAVES

18.1 Doors

The doors shall be programmable high speed center opening as described above and shall have at least half an hour fire resistance. Copies of fire test certificate shall be submitted for the Engineer's approval prior to the installation of the doors.

The doors finishes shall be as per “Schedule No. 8”

The door shall have a suitable lining shall be used to avoid metallic ring all joints shall be reinforced, welded and finished flush and, where necessary, be reinforced to take hangers, closers hooks etc.

The doors shall be fitted with rubber bumpers at the back to avoid banging on the door frame when the door is fully open.

The door frames shall combine cabinets' jambs and strips, still tract hanger housing and smooth running of doors. Non-slip treads shall be provided where necessary.

On site, the architrave and landing doors shall be painted by at least three coats of high quality gloss paint of an approved color if required.

The sills shall have metallic self-cleansing groove to receive the door guides rubbing between guides and sill groove and shall be at minimum to ensure smooth and quiet operation.

The clearance between the car and landing sill shall be 20 mm maximum.

18.2 Architraves

Architraves shall be supplied for all lifts, and shall be imported together with the lifts unless specifically stated otherwise in the schedules attached to this document.

Locally manufactured architraves SHALL NOT BE acceptable.

Architrave finishes shall be as per “**Schedule No. 3**”

Architraves shall be pressed to shape, and made integral to suit the full wall thickness and shall be subjected to approval by the Engineer.

18.3 Landing Door Installations

Each landing door shall be equipped with main and emergency electro-mechanical interlocks operated by a retiring cam or other approved device on the car which shall prevent the car moving away from the landing unless all doors are in closed position.

The interlocks shall also prevent the opening of any landing door until the car has reached the landing.

19. CAR DOORS

The doors shall be two speed electrically controlled A.C. motor driven center opening doors.

The door shall be fully automatic, power operated and cushioned so as to prevent slamming at the limits of movements.

The doors shall be of the hollow metal type pressed to shape and rolled so that it does not give sharp edges to AISI 304 or as specified in the in the car finishes and fittings schedule.

The door shall have a suitable lining shall be used to avoid metallic ring. All joints shall be reinforced, welded and finished flush and where necessary shall be reinforced to take hangers, closers, hooks, etc.

CAR INSTALLATIONS

20. CAR FRAME

The car frame supporting the car platform and car superstructure shall be made of heavy duty solid structural steel designed for general purpose elevator, and shall be fitted with guides and safety devices mounted underneath the car platform. The steel shall be zinc coated at the factory. The car frame shall be braced and gusseted to relieve the car superstructure of strain. Application of the safety gear or uneven loading of the car shall not deform the car frame.

21. CAR FINISHES & FITTINGS

The car finishes are as summarized in “**SCHEDULE No. 3**”.

The bidder is to follow the guideline from the schedule and confirm by filling in the section to be filled by the bidder on the same or an equivalent to what is specified.

The following is a guideline on the same.

21.1 General

The car shall be constructed from pressed sheet steel. The methods of construction and strength of the lift cars and the door panels shall comply with B.S. 2655; part 1: 1970 and current amendments. The top of the car shall be covered in the sheet steel capable of withstanding a load of 37kg per square meter of surface

21.2 Skirting

The car should have a skirting provided around the inside perimeter of the cars as specified in “Schedule No.8”

21.3 Hand Rail

A hand rail shall be provided inside the car at a height of 975 mm as specified in “Schedule No.8”

21.4 Floor Covering

A floor covering shall be provided in the car as specified in “Schedule No. 8”. The material used should be Non-slip.

The color and type of finish should be approved by the Engineers/Architects before ordering.

21.5 Ventilation

Ventilation shall be adequate, indirect and free from draughts an extract fan shall be provided which shall have sleeve bearings and be quiet in operation. The fan must be multi directional and super silent.

Ventilation openings in the car itself particularly in the upper portion shall not render the extract fan ineffective in providing forced ventilation of the car.

21.6 Car Interior Lighting

Appropriate car lighting should be provided to give the required illumination levels inside the car.

Car lighting shall be >60Lumens per Watt.

All lighting shall be of LED or energy saving as per “Schedule No. 8”

Light fittings shall be installed in the false ceiling of the car.

21.7 Car Emergency Lighting

In addition, the car should contain at least 2 No. self-charging non-maintained emergency lighting fitting with a minimum of 3-hour autonomy which shall be installed at the roof of the car. The light shall automatically light in the event of the power failure.

22. TOP OF CAR ACCESSORIES

- a) The car top shall be kept free of all except the most necessary equipment and length of conduit runs shall be kept to a minimum.
The top shall be designed to carry the weight of at least two men.
- b) An engineer's maintenance control station on top of the car shall be provided, consisting of adequate lighting (which can be on and off), and a proper socket outlet to power other maintenance equipment e.g. drilling machines, extension lead, blower etc.
- c) Test up and down push buttons shall be as provided on a panel located on top of the car door for operation during maintenance work.
- d) When the station is switched to inspection, the Elevator speed shall not exceed 0.63 m/s and all operating devices in the cab shall be inoperative.

LIFT SHAFT

23. LIFT SHAFT INSTALLATIONS

23.1 Guide Rails

Guide rails for the car and counter weights shall be T-Section steel guide rails planned on three edges with Tongue & grooved joints for the car and counterweight. Rails shall be placed accurately and fixed firmly to the shaft walls with sufficient spacing between brackets. Rails shall be of a size as recommended by the EN81-20/50 standard and nothing smaller.

The fixing of rails and connection between two or more sections of rail shall be in such a manner that the straight and vertical position is not influenced by changes in temperature or ordinary settlement of the structure.

23.2 Car & Counter Weight Guiding Shoes

Spring loaded roller type of guide shoes mounted on ball bearings shall be supplied and installed on both the car and counterweight. Each wheel shall be provided with a renewable solid neoprene type and shall be accurately aligned to achieve smooth rolling action

23.3 Counterweight

A suitable adjustable counter weight shall be fitted and installed for each lift. The filler weights shall be of cast iron of known weight securely housed in a rigid fabricated frame fitted with four guide shoes. The counter weights for panoramic lift must be concealed at the back.

23.4 Terminal Buffers

Hydraulic, energy absorbing spring return buffers or robust design shall be installed in the pits under each car and its counter weight. The buffers shall bring the car to a stop should the car or counterweight overrun, without permanent damage or deformation when the lift is operating at 10% above the contract speed and 10% in excess of the Contract load. The buffers shall be of self-resetting type. The Contractor shall provide to the Engineer manufacturer's certificates for scrutiny and retention.

23.5 Terminal & Final Limits

The car shall be slowed down and stopped automatically at the terminal landings. Should the car travel beyond the terminal landings, final lift shaft limit switches shall automatically cut off the power to the motor and controller and apply the lift machine's brakes. These switches shall not depend on the action of a spring for their operation.

23.6 Other Provisions in Shaft

- i) Lighting or provision for lighting shall be allowed for in the shaft to assist maintenance personnel. The lights shall be controlled by two way switches mounted on top and bottom entrances.
- ii) An emergency stop switch shall be provided in the shaft for maintenance purposes. The position of the switch shall be such that it can be easily switched off before getting into the shaft.

- iii) A screen shall be provided to seal off the counterweight so that nobody can gain access to its path. A red engraved sign written "DANGER-BEWARE OF DESCENDING COUNTERWEIGHT" shall be fitted on the screen.
- iv) The screen should cover the full length of the counterweight at midway point of the shaft so that the chances of the counterweight knocking someone working on the car are reduced to a minimum.
- v) All the rotating pulleys (diverted, main sheave, etc.) shall be covered such that nobody is in danger of being trapped between the ropes and the pulley when the lift is in motion and the rotating parts should be painted yellow.

24. LIFT MACHINERY

24.1 Motor Drive System

Bidders shall be required to give details of the Machine Room and Operational details to be enclosed

NOTE:

CARS QUOTED MUST BE MACHINEROOMLESS UNLESS THE BIDDER ATTACHES CONTRAINDICATION DATA FROM THE MANUFACTURER ON THE SAME

The lifting machinery shall be located appropriately as per manufacturer's recommendation. The motor shall be of the screened silent type with 2 speed winding capable of a minimum of 180 starts per hour continuously. The motor shall comply with B.S. 2617: 1957 and bear the actual manufacturer's name plates. They shall be tested at the manufacturer's works for insulation resistance. The direction of rotation of the motor for "UP" and "DOWN" motion of the car shall be indicated by an engraved label fixed by four screws to the frame of the motor.

Direct floor approach without a creeping speed is required. A maximum tolerance of 5 mm shall be guaranteed.

The running speed between floors shall be the maximum attainable relative to the distance traveled, a fixed secondary speed for shorter journeys is not acceptable.

Smooth and accurate stopping will be achieved by the injection of D.C. current into the secondary winding. To achieve minimum power consumption, the motor system will be capable of smooth operation without the fitting of a flywheel or other mass weight.

The drive system shall be capable of fast single floor speeds and shall not utilize only the slow speed winding on single floor jumps. The tenderer will fully describe the system offered.

The proposed drive system shall not utilize field weakening. Dynamic braking shall not be utilized. If it is used all main D.C. current circuit components shall be solid state.

The drive system shall be capable of operating the car and inspection made without the lift control computer being active. When active, it shall monitor the operation, collect statistics and display the car position.

The motor shall be provided with a manually operated turning device for lowering the car to the nearest landing in case the automatic controller fails in the event of power failure. The system must prevent engaging of the turning device, until the power supply for the motor is switched off.

The machinery and controllers shall be placed on vibration dampers in the machine room above the lift shaft. Any steel structures or supporting beams for machinery are included in the Contract. If the Contractor finds it necessary to place the machinery on special concrete foundation these will be furnished to the Engineer, but the Contractor must produce sufficient drawings for such work. The

aggregate must be dimensioned for the full load in continuous operation and for a temporary overload of 10%.

24.2 Brakes

The brakes shall be spring applied and shall be fitted with two springs. Self-aligning easily adjustable shoes with renewable linings shall be provided. The brakes shall operate on a brake pulley forming part of the driving shaft and shall be electrically released using a D.C. solenoid. The brake system will only act as holding brakes in normal operation. Deceleration will normally be carried out by the variable voltage control system.

24.3 Hoisting Ropes

The lifts shall be provided with suitable car and counter-weight hoisting ropes manufactured, tested and handled in accordance with the relevant British Standards.

A test shall be made at the manufacturer's workshop for tension, tensile and breaking load of the rope as set out in relevant British or French Standards and the Contractor shall supply certified copies of test certificates to the Engineer. Sheaves shall be made of best grade iron, turned true and grooved for the ropes.

24.4 Sheaves

The sheaves shall be of ample diameter for the ropes used. The traction shall be accurately machined from a semi-steel casting, properly grooved for the appropriate number and size of hoist ropes, of ample diameter.

The diverting sheave and the lift and counterweight sheaves shall comply with the same requirements as the traction sheave and shall be either of semi-steel or best grade close-grained cast iron.

The traction sheave, brake pulley and drive motor armature shall be mounted on a single one-piece sheave shaft turned from a single heat-treated steel bar. Beams shall be sound insulated from structure parts.

24.5 Electrical Installation

All motors and switchgear shall be rated for operating at 240/415V 50 Hertz A.C power supply.

The installation must comply with the IEE regulations. All wiring shall be carried out in a neat and orderly manner. Cable run on walls all or ceilings to be in a straight line and right angle bends enclosed in steel ducting.

Connections to equipment more than 400 mm from walls shall be run from the wall in conduit cast in the floor to a connector box fixed upright adjacent to the equipment and through flexible conduit to the equipment.

All electrical switchgear must be clearly labeled. The trailing cable shall be of stranded flame proof lift type and flexible; so installed as to prevent mechanical stress on conductors and terminations. It shall be free from twist, kinks, abrasion and any other mechanical damage.

24.6 Alarm Emergency System

An alarm button in the car shall simultaneously activate an audible alarm situated on the car, and supervisory board near reception desk. The alarm shall be supplied with back up rechargeable battery electricity from a Maintained trickle charger supplied by the Contractor. All wiring and installation of the alarm and intercom system shall be done by the Contractor.

24.7 Car Safety Device Governors

A sliding or approved type of car safety device shall be mounted beneath each car platform. The safety device shall be operated by a centrifugal speed governor to which it shall be connected through a continuous stranded steel rope. The governor shall be located on the machine platform. Prior to the application of the safety device all electric power shall be positively cut off from the lift motor. The gradual application of the safety device shall bring the car to a smooth sliding stop.

The following safety devices shall also be incorporated: -

- i) Car door closing-force limiter to prevent accidents.
- ii) Emergency unlocking of the car door from the landing for evacuation as well as for maintenance using special key.

24.8 Controller

The controller shall be enclosed in a freestanding floor mounted and totally enclosed steel framed cabinet with hinged doors at the front and detachable panel at the rear. All the necessary relays, contactors, meters, fuses, rectifiers, resistors, etc. forming part of the controller shall be accessible from both the front and rear. All components shall be clearly labeled as to their function and shall readily be accessible for easy maintenance and inspection.

24.9 Manual Operation

As stated under Safety Devices, a provision shall be made for manual lifting and lowering of the lift by means of spoke less wheel of flywheel permanently fixed at the end of the hoisting motor shaft. The wheel, where it is not fitted permanently to the motor, shall be mounted on a tool board together with the brake-release lever. The landing door emergency key shall be supplied and fixed by the Contractor.

24.10 Testing and Commissioning

The contractor/supplier shall supply at his own cost all test equipment necessary for the testing and commissioning of the system. The contractor/supplier shall provide the personnel to do the necessary tests and commissioning and shall notify the Engineer and all other before the commencement of tests.

All necessary tests including safety-gear test at full load in the car shall be carried out. Two copies of certified tests results shall be forwarded to the Engineer before handing over the lift installation.

24.11 Statutory Inspection

Inspection and registration of the lifts shall be carried out by an authorized government inspector who shall prepare a certificate before the acceptance by the engineer. The inspector must be approved / appointed by the Services Engineer/client. All the associated cost shall be met from the contract sum.

24.12 Fireman's switch.

The lift shall come complete with a Fireman's switch and any other related necessary controls and accessories for fireman's use in the event of fire.

24.13 Elevator controls.

The emergency controls and door operating controls shall be grouped together at the bottom of the control panel for ease of access by the physically challenged in a wheel chair.

The center line of the Emergency stop button shall not be less than 890mm from the lift car floor while the center line of the highest button shall not be more than 1370mm high from the car floor.

Arabic numerals shall be adjacent preferably to the left of the operating buttons on a distinct contrasting background.

The Braille version of all controls should be added to all of the interior and exterior call buttons and controls to enable the visually impaired travel independently.

The control panel shall be located on the front wall of the next to the entrance.

2c. PARTICULAR QUALIFICATION FOR BIDDERS

TABLE 01:

NOTE: All Attachments should be bound in 1No. document with fliers separating the particular sections which shall be presented as part of the Bid. **Presentation shall follow the order stated below.**

| BIDDERS REQUIREMENTS | | | |
|-----------------------------|---|------------------------------------|---|
| Item | Feature | Minimum Requirements | Bidder's Response / Comment (√ or X) |
| A | <u>MANDATORY REQUIREMENTS FOR BID EVALUATION</u> | | |
| A1 | Company / Firm Registration Certificate | Attach Certificate | |
| A2 | Registration with Relevant Bodies & Category as Applicable | | |
| | (Note: For any document Listed, Documentary Evidence of the Certificate Should be attached) | | |
| | | NCA | |
| | | LOCAL AUTHORITY | |
| | | P.I.N. Registration Certificate | |
| | | VAT Registration Certificate | |
| | | Tax Compliance Certificate | |
| | | ERC | |
| | | Manufacturers Authorization Letter | |
| | | OTHER (Fill in Pen) | |
| A3 | Company Profile A detailed soft company profile indicating the principle place of business MUST be attached to the Bid (Hard Copy or Soft copy in CD / USB Flash drive) | Attach Copy | |
| A4 | Power of attorney of signatory of Bid (if Joint Venture) | Attach Copy | |
| A5 | Long Lead Items Program of Works: Bidder to attach a Proposed program (Work method and schedule), Descriptions, drawings, and charts, as necessary, which show the lead times for the long lead items timelines | Attach | |

| BIDDERS REQUIREMENTS | | | |
|----------------------|--|---|--|
| Item | Feature | Minimum Requirements | Bidder's Response / Comment (✓ or X) |
| A6 | Indicate Total Annual Revenue of Construction work performed in the last 3 years in KShs. <ul style="list-style-type: none"> Attach Proof of Financial Statements Attach Bank Contacts: Name, Address & Telephone Numbers of the banks that may provide references if contacted by Employer | 2019 | |
| | | 2020 | |
| | | 2021 | |
| | | | |
| B | <u>OTHER REQUIREMENTS</u> | | |
| B1 | Brochures of Equipment's offered | Attach with all details | |
| B2 | Financial Resources Access: <ul style="list-style-type: none"> Evidence of access to Financial Resources to meet the qualification requirements: cash in hand, lines of credit, etc. List here as appropriate & Note that Proof in Documentary Evidence may be require to be provided upon request | Attach | |
| B3 | Equipment Guarantee (By bidder) and warranty period specified by manufacturer Note: Minimum of 24 Months is required Note: Schedule to be attached of all equipment on warranty | Attach: Note: Warranty shall be specific from date of completion of project. | |
| B4 | Annual Maintenance Charges <ul style="list-style-type: none"> After Expiry of DLP and Warranty Period, Indicate the proposed charges to be levied for annual maintenance of equipment & accessories NOTE: The above are to be Labour only charges excluding parts which shall be fitted only with prior approval by the client. | 1 st Year (KShs.) | <u>Kshs.</u> |
| | | 2 nd Year (KShs.) | <u>Kshs.</u> |
| | | 3 rd Year (KShs.) | <u>Kshs.</u> |
| | | | |
| B5 | Foreign Currency | State Foreign currency used in the pricing (if any) and rate of exchange to KShs. | 1..... (Foreign Currency) = KShs. |

| BIDDERS REQUIREMENTS | | | |
|-----------------------------|---|---|---|
| Item | Feature | Minimum Requirements | Bidder's Response / Comment (✓ or X) |
| B6 | Response Time | In event of emergency, the response time shall be how many hours (Preferred is 3 Hours) | Hours |
| B7 | Delivery Period of Equipment from Date of Award (Fill Where Applicable) | | |
| | | Days | |
| | | Weeks | |
| | | Months | |
| | | Years | |
| B8 | Delivery Period of Site Works from Date of Award (Fill Where Applicable) | | |
| | | Days | |
| | | Weeks | |
| | | Months | |
| | | Years | |

TABLE 02:

| 1.11 | | Work of a similar nature and volume performed as Prime Contractor over the last five years. The values should be indicated in the same currency used above. Also list details of work under way or committed, including expected completion date. | | |
|-----------------------------------|--------------------------------|--|---|-------------------------------|
| PROJECT NAME & COUNTRY | CLIENT / CONTACT PERSON | LEAD CONSULTANT | TYPE OF WORK DONE & YEAR OF COMPLETION | CONTRACT VALUE (KShs.) |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

TABLE 03:

| 1.12 | | Qualification and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data. | | |
|------------------------|-------------|---|---|--|
| POSITION | NAME | QUALIFICATIONS | YEARS OF EXPERIENCE IN PROPOSED POSITION | |
| PROJECT MANAGER | | | | |
| SITE FOREMAN | | | | |
| OTHER(S) | | | | |

TABLE 04:

| 1.13 Proposed contracts and firms involved. | | | |
|--|--------------------------|--|-----------------------------------|
| SECTION OF THE WORKS | VALUE OF CONTRACT | CONTRACTOR (NAME & ADDRESS) | EXPIRIENCE IN SIMILAR WORK |
| | | | |
| | | | |
| | | | |
| | | | |

TABLE 05:

| 1.14 Information on current litigation in which the Bidder is involved. | | |
|--|-------------------------|------------------------|
| OTHER PARTY(IES) | CAUSE OF DISPUTE | AMOUNT INVOLVED |
| | | |
| | | |
| | | |
| | | |

TABLE 06:

| 1.15 | Additional Requirements: Bidders should provide any additional information required in these documents to fulfill the requirements thereof if applicable | |
|-------------|--|--|
| | | |
| | | |
| | | |
| | | |

Signed (As in form of Tender) _____

Official Stamp & Date _____

FORM OF AGREEMENT

FORM OF AGREEMENT

THIS AGREEMENT, made the _____ day of _____ 20 _____

between

KENYA MEDICAL SUPPLIES AUTHORITY of P.O.BOX 47715 – 00100 NAIROBI

(hereinafter called “the Employer”) of the one part

AND _____

of [or whose registered office is situated

at] _____

(hereinafter called “the Contractor”) of the other part.

WHEREAS THE Employer is desirous that the Contractor executes

**SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF LIFTS AT KEMSA NEW
WAREHOUSE,**

TENDER NO.: GF-KEMSA/CONST 03/ONT3/2021/2022 (hereinafter called “the Works”) located on

Land LR No. 9042/176 Embakasi, Nairobi and the Employer has accepted the tender submitted by

the Contractor for the execution and completion of such Works and the remedying of any defects therein

for the Contract Price of

Kenya Shillings _____ (Amount in
figures),

Kenya Shillings _____ (Amount in
figures),

NOW THIS AGREEMENT WITNESSETH as follows:

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

4. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.

(viii) Letter of Acceptance

(ix) Form of Tender

(x) Conditions of Contract Part I

(xi) Conditions of Contract Part II and Appendix to Conditions of Contract

(xii) Specifications

(xiii) Drawings

(xiv) Priced Bills of Quantities

5. In consideration of the payments to be made by Kenya Medical Supplies Authority to the Contractor as hereinafter mentioned, the Contractor hereby covenants with Kenya Medical Supplies Authority to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

6. Kenya Medical Supplies Authority hereby covenants to pay the Contractor in consideration of the execution and completion of the Works 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 thereto have caused this Agreement to be executed the day and year first before written.

The common Seal of

Was hereunto affixed in the presence

of _____

Signed Sealed, and Delivered by the said _____

Binding Signature of Kenya Medical Supplies Authority _____

Binding Signature of Contractor _____

In the presence of

(i) Name _____

Address _____

Signature _____

(ii) Name _____

Address _____

Signature _____

FORM OF TENDER

FORM OF TENDER

Tender No.: GF-KEMSA/CONST 03/ONT3/2021/2022

Date _____

To: Kenya Medical Supplies Authority

P. O. Box 47715 - 00100

NAIROBI.

Dear Sirs,

RE: TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF LIFTS
AT KEMSA NEW WAREHOUSE

In accordance with the Instructions to Tenderers, Specifications and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of Kshs.-

_____ [Amount in figure]

Kenya

Shillings _____

_____ [Amount in words].

We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Architect's notice to commence, and to complete the whole of the Works comprised in the Contract within _____ (In Words) (_____) (in Figures) Weeks.

We agree to abide by this tender until _____ [Insert date], and it shall remain binding upon us and may be accepted at any time before that date. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.

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

this _____ day of _____ 20 _____

Signature _____ in the capacity of _____ duly authorized to sign
tenders

for and on behalf

of _____

Tenderer's Name:

Tenderer's Address:

Tenderer's Signature:

Witness's Name:

Witness's Address:

Witness's Signature: _____ Date _____

BILLS OF QUANTITIES

LIFT INSTALLATIONS

The Contractor shall supply labour and supply, deliver, install, fix, connect, test, label and commission the works, clean, complete and working to every detail as described below and in the related specifications and /or on the drawings to the satisfaction of the Consulting Engineers.

Technical product catalogues and specifications for quoted models to be attached

LIFT INSTALLATIONS NOTES:

Please note that the Lifts shall be:

- 1 Lifts including doors (Car & Landing) shall be Electrically driven & electronically controlled via AC variable voltage with full length infrared sensor for the door as described.
- 2 Lifts shall have Variable voltage variable frequency geared machine designed such as to give fully regulated landing approach
- 3 All Lifts to come complete with their computer control equipment, hoists and counter-weights.
- 4 Car shall be complete with internal furnishings, fan, control panel and LED lighting fittings
- 5 Car to be complete with hoistway doors & entrances, necessary control and power cables,
- 6 Car to be complete with installations materials and all accessories and complying with the specification
- 7 The imported and local components to be apportioned in pricing as outlined in the schedules.
- 8 Each car / Lift will have a display unit on top of the door in each floor indicating the position of the lift in terms of the floors.
- 9 Each Car to have voice notifications replicating the visual displays.
- 10 Passenger standing on any floor will have the benefit of viewing on the display the movement and position of the lift .
- 11 For virtual acquity the display should have a distinct colour.
- 12 Grouped Lifts - A set of more than 4No. Lifts should have a **Traffic Management system** such as MICONIC 10 to enable automatic selection of Lift as per tenant floor demand
- 13 Grouped Lifts - All lifts call buttons to be linked for central group operation on each floor.
- 14 All buttons to incorporate Braille type functions
- 15 All lifts to have Cabled provision for installation of CCTV Cameras. Cameras to be installed by others.
- 16 All lifts to have Cabled provision for installation of Speakers. Speakers to be installed by others.
- 17 All lifts to come with the Detachable canvas for Protection. Canvas should have factory fabricated provision for hooking canvas. (Lift Hooks shall be as DOT Studs Mechanically fixed with bolts & nuts)
- 18 Lift to come factory fitted with own power factor correction [PFC] to 0.98 or better.
- 19 Lift to have its own automatic voltage stabilizer and Transcient voltage surge suppression circuitry.
- 20 All lifts above 3m/s (Both Car & Hoistway) shall be incorporated with designs to Mitigate Air Pressure Effects / Imbalance
- 21 The car shall be fitted with a lift system Controller / or safe landing device which shall stop the car and move it to the ground floor landing and open the car doors in case any of any of the safety devices failing to operate or power fails

SECTION A- PATIENT & PASSENGER LIFT**SCHEDULE No. 1A: LIFT SPECIFIC DETAILS****NOTE: To be read in Conjunction with the Particular Specifications****A Engineers Specifications**

| ITEM | DESCRIPTION | LIFT DETAILS | |
|-----------|--------------------------------------|--------------------|----------------------------|
| | | LIFT 1 - PASSENGER | LIFT 2 - GOODS / PASSENGER |
| A1 | GENERAL SPECIFICATIONS | | |
| a1.01 | Lift Nomenclature | Conventional | Conventional |
| a1.02 | Type of Lift | Passenger | Hoist |
| a1.03 | Special Requirements | Normal | Normal |
| a1.04 | No Of Lifts | 1No. | 1No. |
| a1.05 | Configuration | 1No. Simplex | 1No. Simplex |
| a1.06 | Capacity (Occupancy) | 26 Pax | 26 Pax |
| a1.07 | Capacity (Weight) | 2000 Kgs | 2000 Kgs |
| a1.08 | Travel (m) | 7.5m | 10.5m |
| a1.09 | No. of Stops / openings (Installed) | 2 Landings | 3 Landings |
| a1.10 | No. of Stops / openings (Configured) | 2 Stops | 3 Stops |
| A2 | DRIVE SPECIFICATIONS | | |
| a2.01 | Drive (Motor) System | Machine room-less | Machine room-less |
| a2.02 | Engine Type | VVVF | VVVF |
| a2.03 | Speed (m/s) - Minimum | 1.0m/s | 1.0m/s |
| a2.04 | Acceleration (m/s) - Min | 0.6m/s | 0.6m/s |
| A3 | SHAFT SPECIFICATIONS | | |
| a3.01 | Existing Shaft Dimensions | 1No. SIMPLEX SHAFT | 1No. SIMPLEX SHAFT |
| | | W =2500mm | W =2500mm |
| | | D = 3000mm | D = 3000mm |
| a3.02 | Existing Pit Depth | D = 1500mm | D = 1500mm |
| A4 | CABIN SPECIFICATIONS | | |
| a4.01 | Car (Cabin) Access | 1No. Access | 1No. Access |
| a4.02 | Car (Cabin) Height | 2600mm | 2600mm |
| a4.03 | Car (Cabin) Height - Internal Clear | 2400mm | 2400mm |
| a4.04 | Car Fit-Out Decoration Allowance | Factory Fitted | Factory Fitted |
| a4.05 | Car Floor Finish Allowance | Factory Fitted | Factory Fitted |
| a4.06 | Car Walls Finish Allowance | Factory Fitted | Factory Fitted |
| a4.07 | Car Floor Display Position | On COP (Top) | On COP (Top) |
| a4.08 | Car Ventillation | 2No. Fans Min. | 2No. Fans Min. |
| a4.09 | Car Lighting | LED | LED |
| a4.10 | Buffer rails | Required | Required |

| ITEM | DESCRIPTION | LIFT DETAILS | |
|-----------|--------------------------------------|--------------------|----------------------------|
| | | LIFT 1 - PASSENGER | LIFT 2 - GOODS / PASSENGER |
| A5 | DOOR SPECIFICATIONS | | |
| a5.01 | Door Opening Type | Center Opening | Center Opening |
| a5.02 | Door Operations / Hour (Minimum) | 240 O/H | 240 O/H |
| A5.03 | Door Opening Required (Minimum) | W = 1200mm | W = 1200mm |
| | | H = 2100mm | H = 2100mm |
| A5.04 | Landing Floor Display Position | Side of Lift | Side of Lift |
| A5.05 | Landing Movement Indication Position | Side of Lift | Side of Lift |
| A6 | LANDING OPERATING PANEL | | |
| a6.01 | Landing Operating Panel Position | 1100mm AFFL | 1100mm AFFL |
| a6.02 | Type of Buttons | Square | Square |
| a6.03 | Finish on Buttons | Stainless Steel | Stainless Steel |
| a6.04 | Braille Input on Buttons | Required | Required |
| a6.05 | Buttons Illumination | Required | Required |
| a6.06 | Arrival Gong Sound | Required | Required |
| A7 | CAR OPERATING PANEL | | |
| a7.01 | Car COP 01 Position | Right of door | Right of door |
| a7.02 | Car COP 02 Position | Not Required | Not Required |
| a7.03 | Type of Buttons | Square | Square |
| a7.04 | Buttons Finish | Stainless Steel | Stainless Steel |
| a7.05 | Braille Input on Buttons | Required | Required |
| a7.06 | Buttons Illumination | Required | Required |
| a7.07 | Key Switch | Required | Required |
| a7.08 | Alarm Button | Required | Required |
| a7.09 | Close Door Button | Required | Required |
| a7.10 | Open Door Button | Required | Required |
| a7.11 | Arrival Gong & floor announcement | Required | Required |
| a7.12 | Intercom Speaker | Required | Required |
| A8 | OPERATION FUNCTIONS | | |
| a8.01 | Anti Disturbance Function | Required | Required |
| a8.02 | Bypass Overload | Required | Required |
| a8.03 | Cabin Overload Indication | Required | Required |
| a8.04 | Landing Overload Indication | Not Required | Not Required |
| a8.05 | Force Closing | Required | Required |
| a8.06 | Advance Door Opening (ADO) | Required | Required |

| ITEM | DESCRIPTION | LIFT DETAILS | |
|-----------|---|--|--|
| | | LIFT 1 - PASSENGER | LIFT 2 - GOODS / PASSENGER |
| a8.07 | Automatic Power Off in Idle Mode | Required | Required |
| a8.08 | Car Call Cancellation | Required | Required |
| a8.09 | 2nd Car Operating Panel (COP) | Not Required | Not Required |
| a8.10 | Dynamic dispersion standby | Required | Required |
| a8.11 | Releveling | Required | Required |
| a8.12 | Attendant Service / Manual Operation | Required | Required |
| a8.13 | Door Holding Button | Required | Required |
| a8.14 | Door closing time protection | Required | Required |
| a8.15 | Door opening time protection | Required | Required |
| a8.16 | Service floor setting | Required | Required |
| a8.17 | Non-stop service | Required | Required |
| a8.18 | Energy saving mode in main landing | Required | Required |
| a8.19 | Cabin Air Conditioning | Fans Only | Fans Only |
| a8.20 | Cabin Air Purification | Required | Required |
| a8.21 | Air pressure control system | Not Required | Not Required |
| a8.22 | Automatic damping system | Required | Required |
| A9 | SAFETY FUNCTIONS | | |
| a9.01 | ARD (Automatic Rescue Device) for Power failure | Required | Required |
| a9.02 | Counter-weight Safety Gear | Not Required | Not Required |
| a9.03 | Door light curtain protection/Sensor | Required | Required |
| a9.04 | Cabin Emergency Light | Required | Required |
| a9.05 | Pre-load starting torque | Required | Required |
| a9.06 | Emergency Power Operation | Required | Required |
| a9.07 | Emergency alarm function | Required | Required |
| a9.08 | Earthquake Protection | Required | Required |
| a9.09 | Anti-burglar Function | Not Required | Not Required |
| a9.10 | Access Control System | None but Provisions to be in place for future addition | None but Provisions to be in place for future addition |

| ITEM | DESCRIPTION | LIFT DETAILS | |
|---|---|-------------------------|----------------------------|
| | | LIFT 1 - PASSENGER | LIFT 2 - GOODS / PASSENGER |
| <i>A10 COMMUNICATION FUNCTIONS</i> | | | |
| a10.01 | Intercom System | 5-Way Intercom Required | 5-Way Intercom Required |
| a10.02 | Arrival Gong & floor announcement | Required | Required |
| a10.03 | EVAC/ Background music | Not Required | Not Required |
| a10.04 | Arrival Lamp | Required | Required |
| a10.05 | Cabin Lift Floor Number Indication | Required | Required |
| a10.06 | Landing Lift Floor Number & Direction Indication | Required | Required |
| a10.07 | Voice announcement | Required | Required |
| a10.08 | Fire Evacuation | Required | Required |
| a10.09 | BMS Interface | Required | Required |
| a10.10 | CCTV Provision & Cabled | Required | Required |
| a10.11 | Speakers Provision & Cabled | Required | Required |
| a10.12 | Cabin Multi-media Information System | Not Required | Not Required |
| <i>A11 FIRE FIGHTING FUNCTIONS</i> | | | |
| a11.01 | Automatic return to pre-setted floor in case of fire (automatic homing) | Required | Required |
| a11.02 | Second Homing | Not Required | Not Required |
| a11.03 | Fireman Operation | Not Required | Not Required |
| <i>A12 GROUP CONTROL FUNCTIONS</i> | | | |
| a12.01 | Group Control | Required | Required |
| a12.02 | Control mode Automatic switch | Not Required | Not Required |
| a12.03 | Peak hour Control function | Required | Required |
| a12.04 | Group control backup operation | Not Required | Not Required |
| a12.05 | Learning Function | Not Required | Not Required |
| a12.06 | Lift Monitoring | Required | Required |

| ITEM | DESCRIPTION | LIFT DETAILS | |
|--|---------------------------------------|-----------------------------|-----------------------------|
| | | LIFT 1 - PASSENGER | LIFT 2 - GOODS / PASSENGER |
| <i>B1 Bidders Specific Particulars for model (MUST Be Filled By Bidder)</i> | | | |
| ITEM | DESCRIPTION | LIFT DETAILS | LIFT DETAILS |
| b1.01 | Lift Model | | |
| b1.02 | Lift Code | | |
| b1.03 | Proposed Shaft Dimensions (mm) | N/A - As per existing Shaft | N/A - As per existing Shaft |
| | | N/A - As per existing Shaft | N/A - As per existing Shaft |
| b1.04 | Car Cabin Dimensions (mm) | | |
| | | | |
| | | | |
| b1.05 | Pit Depth (mm) | N/A - As per existing Pit | N/A - As per existing Pit |
| b1.06 | Lift Shaft Overhead (From Last slab) | N/A - As per existing Shaft | N/A - As per existing Shaft |
| b1.06 | Machine room Height (From Last slab) | N/A - As per existing Shaft | N/A - As per existing Shaft |
| b1.07 | Power Rating (KW) - For Each Lift | | |
| b1.08 | Voltage Range (V) | | |
| b1.09 | Starting Current (A) - For Each Lift | | |
| b1.10 | Operating Current (A) - For Each Lift | | |
| b1.11 | Power Factor | | |

| SCHEDULE No. 2A: LIFT TRAVEL HEIGHTS AND LEVELS SERVED | | | | | |
|---|---------------------|---|----------------------|-----------------------------------|----------------------|
| ITEM | FLOOR SERVED | LIFT HEIGHT (FLOOR TO FLOOR) DETAILS | | | |
| | | LIFT 1 - PASSENGER | | LIFT 2 - GOODS / PASSENGER | |
| | | HEIGHT (mm) | FLOORS SERVED | HEIGHT (mm) | FLOORS SERVED |
| aa1 | GROUND | 4,500 | SERVED | 4,500 | SERVED |
| aa2 | 1st FLOOR | 3,000 | SERVED | 3,000 | SERVED |
| aa3 | 2nd FLOOR | | NOT SERVED | 3,000 | SERVED |
| aa9 | ROOF | | NOT SERVED | | NOT SERVED |

SCHEDULE No. 3A: LIFT FINISHES (PROVISIONAL) - LIFT 01

| ITEM | DESCRIPTION | PROPOSED FINISH | BIDDER CONFIRMATION |
|------|---|---|---------------------|
| a1 | Landing Door Architraves (Lobby) | NOT APPLICABLE (BUILDERS WORK) | |
| a2 | Car Door Finish (Internal) | Silver Brushed Stainless Steel | |
| a3 | Car Door Finish (External) | Silver Brushed Stainless Steel | |
| a4 | Side Walls | Silver Brushed Stainless Steel | |
| a5 | Rear Walls | Silver Brushed Stainless Steel | |
| a6 | Front Wall (Sides of Door) | Silver Brushed Stainless Steel | |
| a7 | Ceiling Finish | Silver Brushed Stainless Steel (ST4) | |
| a8 | Floor Finish | Real Stone (Gray Black G4R) | |
| a9 | Floor Skirting | Finish = Stainless Steel (ST4) | |
| | | Gauge = Bidder to specify | |
| | | Height - 100mm | |
| a10 | Handrail | Position = Rear & 2No. Side Walls | |
| | | Finish = Silver Brushed Stainless Steel | |
| | | Type = Bended & Round | |
| | | Dimension = Bidder to specify appropriate as per safety standards | |
| a11 | Mirror | Position = Side Wall | |
| | | Size = Partial Width Three quarter Height | |
| | | Thickness = Bidder to Specify as per Safety | |
| a12 | Interior Lighting | Square Shaped LED Lights | |
| | | 2No. Emergency Lights to be Incorporated | |
| a13 | Air purification | Lifts to have air purification | |
| a14 | Any other Detailed Finishes (Please Specify Below) | | |
| | | | |

SCHEDULE No. 3B: LIFT FINISHES (PROVISIONAL) - LIFT 02

| ITEM | DESCRIPTION | PROPOSED FINISH | BIDDER CONFIRMATION |
|------|---|---|---------------------|
| a1 | Landing Door Architraves (Lobby) | NOT APPLICABL (BUILDERS WORK) | |
| a2 | Car Door Finish (Internal) | Silver Brushed Stainless Steel | |
| a3 | Car Door Finish (External) | Silver Brushed Stainless Steel | |
| a4 | Side Walls | Silver Brushed Stainless Steel | |
| a5 | Rear Walls | Silver Brushed Stainless Steel | |
| a6 | Front Wall (Sides of Door) | Silver Brushed Stainless Steel | |
| a7 | Ceiling Finish | Silver Brushed Stainless Steel (ST4) | |
| a8 | Floor Finish | Granite | |
| a9 | Floor Skirting | Finish = Stainless Steel (ST4) | |
| | | Gauge = Bidder to specify | |
| | | Height - 100mm | |
| a10 | Handrail | Position = 2No. Side Walls | |
| | | Finish = Silver Brushed Stainless Steel | |
| | | Type = Bended & Round | |
| | | Dimension = Bidder to specify appropriate as per safety standards | |
| a11 | Mirror | Position = Side Wall | |
| | | Size = Partial Width Three quarter Height | |
| | | Thickness = Bidder to Specify as per Safety | |
| a12 | Interior Lighting | Square Shaped LED Lights | |
| | | 2No. Emergency Lights to be Incorporated | |
| a13 | Buffer rails | Goods Lift to have buffer rails | |
| a14 | Air purification | Lifts to have air purification | |
| a15 | Any other Detailed Finishes (Please Specify Below) | | |
| | | | |

LIFT SCHEDULES**A1 LIFT 01 - PASSENGER LIFT**

| ITEM | DESCRIPTION | UNIT | QTY | Rates (Kshs.) | Costs (Kshs) |
|-------|---|------|-----|---------------|--------------|
| a1.01 | Hoist Materials (FOB)- FOB Cost of lift Hoist materials at country of origin [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a1.02 | Hoist Materials (Freight) - Insuarance and Freight Cost i.e. Landed cost without duties and taxes [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a1.03 | Car Structure Materials (FOB)- FOB Cost of lift Hoist materials at country of origin [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a1.04 | Car Structure Materials (Freight) - Insuarance and Freight Cost i.e. Landed cost without duties and taxes [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a1.05 | Car Finishes Materials (FOB)- FOB Cost of lift Hoist materials at country of origin [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a1.06 | Car Finishes Materials (Freight) - Insuarance and Freight Cost i.e. Landed cost without duties and taxes [As per the particular Specifications] i.e. Imported component | No. | 1 | | |

| ITEM | DESCRIPTION | UNIT | QTY | Rates (Kshs.) | Costs (Kshs) |
|-------|---|------|-----|---------------|--------------|
| a1.07 | Import Duty: Price for import duty on all imported materials (i.e. Local Component) | No. | 1 | | |
| a1.08 | Insurance & Clearance: Cost of Marine insurance, clearing and handling charges, inland transportation and off-loading at site, and all other local costs (i.e. local component) | No. | 1 | | |
| a1.09 | Local Materials: Cost of lift materials purchased locally and delivered to site (i.e. local component) | No. | 1 | | |
| a1.10 | Installation & Commissioning: Sum for Installation, testing and commissioning (i.e. local component on labour & Expertise cost). | No. | 1 | | |
| a1.11 | Canvas: Supply and installation of standard lift canvas complete with hooking provisions and mountings to cover the entire lift car interior walls. (Lift Hooks shall be as DOT Studs Mechanically fixed with bolts & nuts) | No. | 1 | | |
| a1.12 | Automatic Emergency Landing Device: Transient safe landing device to stop the lift & move it to the next landing in event of a fault or power outage. | No. | 1 | | |
| a1.13 | Lift Safety Equipment: PFC & transient Protection Devices to protect the lift equipment from voltage surge, sags, swells, swings & spikes. This is to be incorporated in Lift and should be factory fitted. To be part of the shop drgs submitted. | No. | 1 | | |
| a1.14 | AVS: Automatic Voltage stabilizer for the lift(s) with a range of $\pm 20\%$ Minimum to cater for any Over / Under Voltages within the power system for the building. To be part of the shop drgs submitted. | No. | 0 | | |
| a1.15 | Access Control: Installation of Programmable Card access control to the lift. | No. | 1 | | |
| a1.16 | Sub-Total c/f to LIFT INSTALLATIONS PRICE SUMMARY PAGE | | | | |

A2 LIFT 02 - GOODS / PASSENGER LIFT

| ITEM | DESCRIPTION | UNIT | QTY | Rates (Kshs.) | Costs (Kshs) |
|-------|---|------|-----|---------------|--------------|
| a2.01 | Hoist Materials (FOB) - FOB Cost of lift Hoist materials at country of origin [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a2.02 | Hoist Materials (Freight) - Insuarance and Freight Cost i.e. Landed cost without duties and taxes [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a2.03 | Car Structure Materials (FOB) - FOB Cost of lift Hoist materials at country of origin [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a2.04 | Car Structure Materials (Freight) - Insuarance and Freight Cost i.e. Landed cost without duties and taxes [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a2.05 | Car Finishes Materials (FOB) - FOB Cost of lift Hoist materials at country of origin [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a2.06 | Car Finishes Materials (Freight) - Insuarance and Freight Cost i.e. Landed cost without duties and taxes [As per the particular Specifications] i.e. Imported component | No. | 1 | | |
| a2.07 | Import Duty: Price for import duty on all imported materials (i.e. Local Component) | No. | 1 | | |

| ITEM | DESCRIPTION | UNIT | QTY | Rates (Kshs.) | Costs (Kshs) |
|-------|---|------|-----|---------------|--------------|
| a2.08 | Insurance & Clearance: Cost of Marine insurance, clearing and handling charges, inland transportation and off-loading at site, and all other local costs (i.e. local component) | No. | 1 | | |
| a2.09 | Local Materials: Cost of lift materials purchased locally and delivered to site (i.e. local component) | No. | 1 | | |
| a2.10 | Installation & Commissioning: Sum for Installation, testing and commissioning (i.e. local component on labour & Expertise cost). | No. | 1 | | |
| a2.11 | Canvas: Supply and installation of standard lift canvas complete with hooking provisions and mountings to cover the entire lift car interior walls. (Lift Hooks shall be as DOT Studs Mechanically fixed with bolts & nuts) | No. | 1 | | |
| a2.12 | Automatic Emergency Landing Device: Transient safe landing device to stop the lift & move it to the next landing in event of a fault or power outage. | No. | 1 | | |
| a2.13 | Lift Safety Equipment: PFC & transient Protection Devices to protect the lift equipment from voltage surge, sags, swells, swings & spikes. This is to be incorporated in Lift and should be factory fitted. To be part of the shop drgs submitted. | No. | 1 | | |
| a2.14 | AVS: Automatic Voltage stabilizer for the lift(s) with a range of $\pm 25\%$ Minimum to cater for any Over / Under Voltages within the power system for the building. To be part of the shop drgs submitted. | No. | 0 | | |
| a2.15 | Access Control: Installation of Programmable Card access control to the lift. | No. | 1 | | |
| a2.16 | Sub-Total c/f to LIFT INSTALLATIONS PRICE SUMMARY PAGE | | | | |

LIFT INSTALLATIONS PRICE SUMMARY PAGE

| ITEM | DESCRIPTION | | | Costs (Kshs) |
|-------------|---|------|---|---------------------|
| A1 | LIFT 01 - PASSENGER LIFT | | | |
| A2 | LIFT 02 - GOODS / PASSENGER LIFT | | | |
| A3 | ADDITIONS: Any other equipment or work necessary for the satisfactory completion of the sub-contract works. List on a separate sheet showing the various items and their individual costs only give lumpsum here (If none, write NIL) | Item | 1 | |
| A4 | ATTENDANCE: Allow sum for attendance to other specialists e.g. Electrical, Building management, etc. | Item | 1 | |
| A5 | DOCUMENTATION: Sum for Completion documents: Comprising Workshop drawings, manufacturer's technical product catalogues, users manuals, maintenance manuals, as installed drawings, test certificates, etc. { NOTE: Penultimate Valuation will not be paid until these are fully availed & signed off by the engineer } | Item | 1 | |
| A6 | TESTING & COMMISSIONING: Sum for Testing and commissioning of the entire installations set complete with all accessories, interconnections, controls, BMS link & activation and the necessary programming. | Item | 1 | |
| A7 | TRAINING: Sum for Training of client personel / users (At least 5No Staff for 1Week) | Item | 1 | |

| ITEM | DESCRIPTION | UNIT | QTY | Rates (Kshs.) | Costs (Kshs) |
|------------|---|------|-----|---------------|--------------|
| A8 | DLP SUM: Sum for 12 months comprehensive maintenance from date of practical completion i.e. for maintainance and replacement of consumables such as blown out devices | Item | 1 | | |
| A9 | FACTORY INSPECTION: Allow for the factory material Pre-Shipment inspection and approvals (Lifts) for 2No Project managers 2No Client and 2No Engineers. The cost shall cover Air Flight, accomodation, meals and subsistence allowance as per SRC guidelines for Directors Range | Item | 1 | | |
| A10 | Preliminaries and General Conditions | Item | 1 | | |
| A11 | Contingency | | | | 1,500,000 |
| A12 | TOTAL Exclusive of VAT | | | | |
| A13 | Add: 16% VAT including all PC sums & Contingencies | | | | |
| A14 | TOTAL Inclusive OF VAT c/f to Form of Tender | | | | |