

REPUBLIC OF KENYA



MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING, URBAN
DEVELOPMENT & PUBLIC WORKS

STATE DEPARTMENT FOR HOUSING AND URBAN DEVELOPMENT

URBAN AND METROPOLITAN DEVELOPMENT

BID DOCUMENT
FOR PROCUREMENT OF WORKS

FOR THE PROPOSED CONSTRUCTION OF GIKOMBA QUARRY
ROAD MARKET BLOCK D

IN

NAIROBI CITY COUNTY

TENDER NO: MTHUDPW/SDHUD/UDD/004/2020-2021

EMPLOYER PRINCIPAL SECRETARY STATE DEPARTMENT FOR HOUSING & URBAN DEVELOPMENT P.O. BOX 30119-00100 NAIROBI	IMPLEMENTING AGENCY URBAN DEVELOPMENT DEPARTMENT P.O. BOX 30450-00100 NAIROBI
EMPLOYER'S REPRESENTATIVE AG. SECRETARY, URBAN & METROPOLITAN DEVELOPMENT P.O. BOX 30130-00100 NAIROBI	PROJECT MANAGER AG. SECRETARY, URBAN & METROPOLITAN DEVELOPMENT P.O. BOX 30130-00100 NAIROBI

DECEMBER 2020

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SECTION I: INVITATION TO BID

RE-ADVERTISEMENT

The Ministry of Transport, Infrastructure, Housing, Urban development and Public Works through the State Department for Housing and Urban Development wishes to invite bids from interested eligible tenderers for the following tenders;

No.	Tender No.	Tender Description	NCA CATEGORY	Bid Security (Kshs)	Category (Local Contractors)
1.	MTIHUDPW/SDHUD/SUD/009/2020-2021	Proposed Civil & Other associated Works for Social Housing Project at Meteorological Site. LOT I	NCA 1	10,000,000	Open
2.	MTIHUDPW/SDHUD/SUD/010/2020-2021	Proposed Construction of Out Buildings for Social Housing Project at Meteorological Site.	NCA 2	10,000,000	Open
3.	MTIHUDPW/SDHUD/UDD/004/2020-2021	Proposed Construction of Gikomba Quarry Road Market Block D in Nairobi County.	NCA 1	10,000,000	Open

Interested Bidders may examine and download tender documents free of charge from the State Department's website: www.housingandurban.go.ke. Bidders who download tender documents will be required to provide their details by registering at the Supply Chain Management Office located at Ardhi House 6th floor wing "B" during normal working hours.

Completed tender documents enclosed in plain sealed envelopes and clearly marked with the Tender Number and Tender Description shall be delivered to the address below or be deposited in the Tender Box located at **6th Floor, Ardhi House** so as to be received on or before **6TH January, 2021 at 11:00am**. Bulky documents shall be delivered and registered at the office of the Head Supply Chain Management Services on 6th Floor, Wing B, Ardhi House, 1st Ngong Avenue.

Tenders will be opened immediately thereafter at **State Department for Housing and Urban Development Boardroom, located on 6th Floor wing "B" - Ardhi House, 1st Ngong Avenue off Ngong Road**, in the presence of tenderers or their representatives who choose to attend. Late tenders will be rejected. For any queries or clarifications, visit the Supply Chain Management office during normal working hours or write to procurement@housingandurban.go.ke

Bidders to take note of the following;

There will be a mandatory site visit for the above tenders as follows;

1. Proposed Construction of Gikomba Quarry Road Market Block D in Nairobi County. **21st December, 2020 from 9:00am to 11:00am**
2. Proposed Civil & Other associated Works for Social Housing Project at Meteorological Site LOT I **21st December, 2020 from 2:00pm to 4:00pm.**

3. Proposed Construction of Out Buildings for Social Housing Project at Meteorological Site 21st December, 2020 from 2:00pm to 4:00pm.
4. Tenderers may apply for all of the following advertised tenders but can only be awarded one.

Head Supply Chain Management Services
For: The Principal Secretary
State Department for Housing and Urban Development.
P.O. Box 30119 -00100
NAIROBI, KENYA

**SECTION II: INSTRUCTIONS TO TENDERERS
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SECTION II: INSTRUCTION TO TENDERERS

A: GENERAL

1. (a) Definitions “Tenderer” means any persons, partnership firm or company submitting a sum or sums in the Bills of Quantities in accordance with the Instructions to Tenderers, Conditions of Contract Parts I and II, Specifications, Drawings and Bills of Quantities for the work contemplated, acting directly or through a legally appointed representative.
- (b) “Approved tenderer” means the tenderer who is approved by the Employer
- (c) “Any noun or adjective derived from the word “tender” shall be read and construed to mean the corresponding form of the noun or adjective “bid”. Any conjugation of the verb “tender” shall be read and construed to mean the corresponding form of the verb “bid.”
- (d) “Employer” means the entity specified in the **Appendix to Instructions to Tenderers**

Description of the Project

- 1.1 The site of the proposed works is located **within the jurisdiction of County Government of Nairobi City.**
- 1.2 The Employer as defined in the Appendix to Conditions of Contract invites tenders 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.
- 1.3 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.
- 1.7 In the event that pre-qualification of potential tenderers has been undertaken, only tenders from prequalified 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.
- 1.7.1 Where no pre-qualification of potential tenderers has been done, all tenderers shall include 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 five 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.

2. Eligibility and Qualification Requirements

2.1. Eligibility requirements

This invitation to tender is open to all tenderers who are eligible as specified in the **Appendix to Tenders**.

2.2. Qualification Requirements

To be qualified for award of Contract, the tenderer shall provide evidence satisfactory to the Employer of their eligibility under Sub clause 2.1 above and of their capability and adequacy of resources to effectively carry out the subject Contract. To this end, the tenderer shall be required to update the following information already submitted during Statement of Foreign Currency Requirements Statement of Foreign Currency Requirements prequalification: -

- (a) Details of experience and past performance of the tenderer on the works of a similar nature and details of current work on hand and other contractual commitments.
- (b) The qualifications and experience of key personnel proposed for administration and execution of the contract, both on and off site.
- (c) Major items of construction plant and equipment proposed for use in carrying out the Contract. Only reliable plant in good working order and suitable for the work required of it shall be shown on this schedule. The tenderer will also indicate on this schedule when each item will be available on the Works. Included also should be a schedule of plant, equipment and material to be imported for the purpose of the Contract, giving details of make, type, origin and CIF value as appropriate.
- (d) Details of sub-contractors to whom it is proposed to sublet any portion of the Contract and for whom authority will be requested for such subletting in accordance with clause 4 of the Condition of Contract.
- (e) A draft Program of Works in the form of a bar chart and Schedule of Payment which shall form part of the Contract if the tender is accepted. Any change in the Program or Schedule shall be subjected to the approval of the Project Manager.
- (f) Details of any current litigation or arbitration proceedings in which the tenderer is involved as one of the parties.

2.3. Joint Ventures

Tenders shall only be submitted by the **MAIN CONTRACTOR**. Tenders submitted by a joint venture of two or more firms as partners shall comply with the following requirements: -

- (a) The tender, and in case of a successful tender, the Form of Agreement, shall be signed so as to be legally binding on all partners
- (b) One of the partners shall be nominated as being in charge, and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners
- (c) The partner in charge shall be authorized to incur liabilities and receive instructions for an on behalf of any and all partners of the joint venture and the entire execution of the Contract including payment shall be done exclusively with the partner in charge.
- (d) All partners of the joint venture shall be liable jointly and severally for the execution of the Contract in accordance with the Contract terms, and a relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Form of Tender and the Form of Agreement (in case of a successful tender)
- (e) A copy of the agreement entered into by the joint venture partners shall be submitted with the tender.

3. Cost of Tendering

- 3.1 The Tenderer shall bear all costs associated with the preparation and submission of his tender and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
- 3.2 The price to be charged for the tender document shall not exceed Kshs. 5,000/= as provided for in the **Appendix to Instructions to Tenderers**.
- 3.3 The procuring entity shall allow the tenderer to view the tender document free of charge before purchase.

4. Site Visit

- 4.1. The tenderer is advised to visit and examine the Site and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing the tender and entering into a contract. The costs of visiting the Site shall be the tenderer's own responsibility.
- 4.2. The tenderer and any of his personnel or agents will be granted permission by the Employer to enter upon premises and lands for the purpose of such inspection, but only upon the express condition that the tenderer, his personnel or agents, will release and indemnify the Employer from and against all liability in respect of, and will be responsible for personal injury (whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expenses however caused, which but for the exercise of such permission, would not have arisen.
- 4.3. The Employer shall organize a site visit at a date to be notified. A representative of the Employer will be available to meet the intending tenderers at the Site. Tenderers must provide their own transport. The representative will not be available at any other time for site inspection visits. Each tenderer shall complete the Certificate of Tenderer's Visit to the Site, whether he in fact visits the Site at the time of the organized site visit or by himself at some other time.

B: TENDER DOCUMENTS

5. Tender Documents

- 5.1 The Tender documents comprise the documents listed here below and should be read together with any Addenda issued in accordance with Clause 7 of these instructions to tenderers.
 - Section I: Invitation to Bid
 - Section II: Instructions to Bidders
 - Section III: Evaluation and Qualification Criteria
 - Section IV: Standard Forms
 - Section V: Employer's Requirements
 - Section VI: Conditions of Contract and Contract Forms
- 5.2 The tenderer is expected to examine carefully all instructions, conditions, forms, terms, specifications and drawings in the tender documents. Failure to comply

with the requirements for tender submission will be at the tenderer's own risk. Pursuant to clause 22 of Instructions to Tenderers, tenders which are not substantially responsive to the requirements of the tender documents will be rejected.

- 53 All recipients of the documents for the proposed Contract for the purpose of submitting a tender (whether they submit a tender or not) shall treat the details of the documents as "private and confidential".

5. Inquiries by Tenderers

- 6.1 A tenderer making an inquiry relating to the tender document may notify the Employer in writing or by telex, cable or facsimile at the Employer's mailing address indicated in the Invitation to Tender. The Employer will respond in writing to any request for clarification which he receives earlier than 7 days prior to the deadline for the submission of tenders. Written copies of the Employer's response (including the query but without identifying the source of the inquiry) will be sent to all prospective tenderers who have purchased the tender documents.
- 6.2 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

7. Amendment of Tender Documents

- 7.1 At any time prior to the deadline for submission of tenders the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective tenderer, modify the tender documents by issuing Addenda.
- 7.2 Any Addendum will be notified in writing or by cable, telex or facsimile to all prospective tenderers who have purchased the tender documents and will be binding upon them as provided in the **Appendix to Instructions to Bidders**.
- 7.3 In order to allow prospective tenderers reasonable time in which to take the Addendum into account in preparing their tenders, the Employer may, at his discretion, extend the deadline for the submission of tenders.

C. PREPARATION OF TENDERS

8. Language of Tender

- 8.1 The tender and all correspondence and documents relating to the tender exchanged between the tenderer and the Employer shall be written in the English language. Supporting documents and printed literature furnished by the tenderer with the tender may be in another language provided they are accompanied by an appropriate translation of pertinent passages in the above stated language. For the purpose of interpretation of the tender, the English language shall prevail.

9. Documents Comprising the Tender

- 9.1 The tender to be prepared by the tenderer shall comprise:
- (a) the Form of Tender and Appendix thereto,
 - (b) a Tender Security or Tender Securing Declaration,
 - (c) the Priced Bills of Quantities and Schedules,

- (d) written confirmation authorizing the signatory of the Bid to commit the Bidder,
- (e) documentary evidence establishing the eligibility of the Bidder, in accordance with the requirements of Section III Evaluation and Qualification Criteria, using the relevant forms furnished in Section IV Bidding Forms;
- (f) documentary evidence establishing the Bidder's qualifications in accordance with the requirements of Section III Evaluation and Qualification Criteria, using the relevant forms furnished in Section IV Bidding Forms;
- (g) documentary evidence establishing the conformity of the Technical Proposal offered by the Bidder with the tender documents, using the relevant forms furnished in Section IV Bidding Forms,
- (h) Supplementary documents and any other document required in the Appendix to ITT and Section III Evaluation and Qualification Criteria.

9.2 The Forms, Bills of Quantities and Schedules provided in the tender documents shall be used without exception (subject to extensions of the schedules in the same format and to the provisions of Clause 13.2 regarding the alternative forms of Tender Surety].

10. Tender Prices

- 10.1 All the insertions made by the tenderer shall be made in **ink** and the tenderer shall clearly form the figures. The relevant space in the Form of Tender and Bills of Quantities shall be completed accordingly without interlineations or erasures except those necessary to correct errors made by the tenderer in which case the erasures and interlineations shall be initialed by the person or persons signing the tender.
- 10.2 A price or rate shall be inserted by the tenderer for every item in the Bills of Quantities whether the quantities are stated or not. Items against which no rate or price is entered by the tenderer will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bills of Quantities.
- 10.3 The prices and unit rates in the Bills of Quantities are to be the full [all-inclusive] value of the Work described under the items, including all costs and expenses which may be necessary and all general risks, liabilities and obligations set forth or implied in the documents on which the tender is based. All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause prior to the deadline for submission of tenders, shall be included in the rates and prices and the total Tender Price submitted by the tenderer.
- 10.4 Each price or unit rate inserted in the Bills of Quantities should be a realistic estimate for completing the activity or activities described under that particular item and the tenderer is advised against inserting a price or rate against any item contrary to this instruction.
- 10.5 Every rate entered in the Bills of Quantities, whether or not such rate be

- associated with a quantity, shall form part of the Contract. The Employer shall have the right to call for any item of work contained in the Bills of Quantities, and such items of work to be paid for at the rate entered by the tenderer and it is the intention of the Employer to take full advantage of unbalanced low rates.
- 10.6 Unless otherwise specified the tenderer must enter the amounts representing 10% of the sub-total of the summary of the Bills of Quantities for Contingencies and Variation of Prices [V.O.P.] payments in the summary sheet and add them to the sub-total to arrive at the tender amount.
- 10.7 The tenderer shall furnish with his tender written confirmation from his suppliers or manufacturers of basic unit rates for the supply of items listed in the Conditions of Contract clause 70 where appropriate.
- 10.8 The Employer may require the tenderer to justify such rates so obtained from the suppliers or manufacturers.
- 10.9 The rates and prices quoted by the tenderer are subject to adjustment during the performance of the Contract only in accordance with the Provisions of the Conditions of Contract. The tenderer shall complete the schedule of basic rates and shall submit with his tender such other supporting information as required under clause 70 of the Conditions of Contract Part II.
- 10.10 Contract price variations shall not be allowed within the first 12 months of the contract.
- 10.11 Where quantity contract variation is allowed, the variation shall not exceed 15% of the original contract quantity.
- 10.12 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request.

11. Currencies of Tender and Payment

- 11.1 Tenders shall be priced in Kenya Shillings and the tender sum shall be in Kenya Shillings.
- 11.2 Tenderers are required to indicate in the Statement of Foreign Currency Requirements, which forms part of the tender, the foreign currency required by them. Such currency should generally be the currency of the country of the tenderer's main office. However, if a substantial portion of the tenderer's expenditure under the Contract is expected to be in countries other than his country of origin, then he may state a corresponding portion of the contract price in the currency of those other countries. However, the foreign currency element is to be limited to two (2) different currencies and a maximum of 30% (thirty percent) of the Contract Price.
- 11.3 The rate or the rates of exchange used for pricing the tender shall be the selling rate or rates of the Central Bank ruling on the date thirty (30) days before the final date for the submission of tenders.

11.4 Tenderers must enclose with their tenders, a brief justification of the foreign currency requirements stated in their tenders.

12. Tender Validity

12.1. The tender shall remain valid and open for acceptance for a **period specified in the Appendix to Information Tenderers** from the date of tender opening or from the extended date of tender opening (in accordance with clause 7.3 here above) whichever is the later.

12.2. In exceptional circumstances prior to expiry of the original tender validity period, the Employer may request the tenderer for a specified extension of the period of validity. The request and the responses thereto shall be made in writing or by cable, telex or facsimile. A tenderer may refuse the request without forfeiting his Tender Surety. A tenderer agreeing to the request will not be required nor permitted to modify his tender, but will be required to extend the validity of his Tender Surety correspondingly.

13. Tender Security

13.1. The tenderer shall furnish as part of his tender, a Tender Security in the specified amount and form, or Tender Securing Declaration as specified in the **Appendix to Information to Tenderers**.

13.2. The tender security shall not exceed 2 percent of the tender price, specified in absolute value.

13.3. The Tender Security shall be valid at least thirty (30) days beyond the tender validity period, as specified in the **Appendix to Instructions to Tenderers**

13.4. Any tender not accompanied by an acceptable Tender Surety will be rejected by the Employer as non-responsive.

13.5. The Tender Securities of unsuccessful tenderers will be returned as promptly as possible as but not later than twenty-eight (28) days after expiration of the tender validity period. The Tender Surety of the successful tenderer will be returned upon the tenderer executing the Contract and furnishing the required Performance Security.

13.6. The Tender Securities may be forfeited:

- a) if a tenderer withdraws his tender during the period of tender validity: or
- b) in the case of a successful tenderer, if he fails, within the specified time limit
 - i. to sign the Agreement, or
 - ii. to furnish the necessary Performance Security
- c) if a tenderer does not accept the correction of his tender price pursuant to clause 23.

14. No Alternative Offers

14.1. The tenderer shall submit an offer which complies fully with the requirements of the tender documents unless otherwise provided for in the **Appendix to Instructions to Tenderers**

- 14.2. Only one tender may be submitted by each tenderer either by himself or as partner in a joint venture. A tenderer who submits or participates in more than one tender will be disqualified.
- 14.3. The tenderer shall not attach any conditions of his own to his tender. The tender price must be based on the tender documents. The tenderer is not required to present alternative construction options and he shall use without exception, the Bills of Quantities as provided, with the amendments as notified in tender notices, if any, for the calculation of his tender price. Any tenderer who fails to comply with this clause will be disqualified.

15. Pre-tender Meeting

- 15.1. If a pre-tender meeting is convened, the tenderer's designated representative is invited to attend at the venue and time in the Invitation to Tender. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 15.2. The tenderer is requested as far as possible to submit any questions in writing or by cable, to reach the Employer not later than seven (7) days before the meeting. It may not be practicable at the meeting to answer questions received late, but questions and responses will be transmitted in accordance with the following:
 - (a) Minutes of the meeting, including the text of the questions raised and the responses given together with any responses prepared after the meeting, will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in – Clause 9 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of a tender notice pursuant to Clause 7 and not through the minutes of the pre-tender meeting.
 - (b) Non-attendance at the pre-bid meeting will not be cause for disqualification of a bidder.

16. Format and Signing of Tenders

- 16.1. The tenderer shall prepare his tender as outlined in clause 9 above and mark appropriately one set "ORIGINAL" and the other "COPY".
- 16.2. The copy of the tender and Bills of Quantities 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. All pages of the tender where amendments have been made shall be initialed by the person or persons signing the tender.
- 16.3. The complete tender shall be without alterations, interlineations or erasures, except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender.

D. SUBMISSION OF TENDERS

17. Sealing and Marking of Tenders

- 17.1. The tenderer shall seal the original and copy of the tender in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY”. The envelopes shall then be sealed in an outer separate envelope.
- 17.2. The inner and outer envelopes shall be addressed to the Employer at the address stated in the Appendix to Instructions to Tenderers and bear the name and identification of the Contract stated in the said Appendix with a warning not to open before the date and time for opening of tenders stated in the **Appendix to Instructions to Tenderers**.
- 17.3. The inner envelopes shall each indicate the name and address of the tenderer to enable the tender to be returned unopened in case it is declared “late”, while the outer envelope shall bear no mark indicating the identity of the tenderer.
- 17.4. If the outer envelope is not sealed and marked as instructed above, the Employer will assume no responsibility for the misplacement or premature opening of the tender. A tender opened prematurely for this cause will be rejected by the Employer and returned to the tenderer.

18. Deadline for Submission of Tenders

- 18.1. Tenders must be received by the Employer at the address specified in Clause 17.2 and on the date and time specified in the Tender Notice and **Appendix to Instructions to Tenderers**, subject to the provisions of clause 7.3, 18.2 and 18.3. Tenders delivered by hand must be placed in the “tender box” provided in the office of the Employer. Proof of posting will not be accepted as proof of delivery and any tender delivered after the above stipulated time, from whatever cause arising will not be considered.
- 18.2. The Employer may, at his discretion, extend the deadline for the submission of tenders through the issue of an Addendum in accordance with clause 7, in which case all rights and obligations of the Employer and the tenderers previously subject to the original deadline shall thereafter be subject to the new deadline as extended.
- 18.3. Any tender received by the Employer after the prescribed deadline for submission of tender shall be rejected and will be returned unopened to the tenderer.

19. Modification and Withdrawal of Tenders

- 19.1. The tenderer may modify or withdraw his tender after tender submission, provided that written notice of the modification or withdrawal is received by the Employer prior to prescribe deadline for submission of tenders.

- 19.2. The tenderer's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions for the submission of tenders, with the inner and outer envelopes additionally marked "MODIFICATION" or "WITHDRAWAL" as appropriate.
- 19.3. No tender may be modified subsequent to the deadline for submission of tenders.
- 19.4. No tender may be withdrawn in the interval between the deadline for submission of tenders and the period of tender validity specified on the tender form. Withdrawal of a tender during this interval will result in the forfeiture of the Tender Surety.
- 19.5. Subsequent to the expiration of the period of tender validity prescribed by the Employer, and the tenderer having not been notified by the Employer of the award of the Contract or the tenderer does not intend to conform with the request of the Employer to extend the period of tender validity, the tenderer may withdraw his tender without risk of forfeiture of the Tender Surety.

E. TENDER OPENING AND EVALUATION

20. Tender Opening

- 20.1. The Employer will open the tenders in the presence of the tenderers' representatives who choose to attend at the time and location indicated in the Letter of Invitation to Tender. The tenderers' representatives who are present shall sign a register evidencing their attendance.
- 20.2. Tenders for which an acceptable notice of withdrawal has been submitted, pursuant to clause 19, will not be opened. The Employer will examine the tenders to determine whether they are complete, whether the requisite Tender Sureties have been furnished, whether the documents have been properly signed and whether the tenders are generally in order.
- 20.3. At the tender opening, the Employer will announce the tenderer's names, total tender price, tender price modifications and tender withdrawals, if any, the presence of the requisite Tender Surety and such other details as the Employer, at his discretion, may consider appropriate. No tender shall be rejected at the tender opening except for late tenders.
- 20.4. The Employer shall prepare minutes of the tender opening including the information disclosed to those present.
- 20.5. Tenders not opened and read out at the tender opening shall not be considered further for evaluation, irrespective of the circumstances.

21. Process to be Confidential

- 21.1. After the public opening of tenders, information relating to the examination, clarification, evaluation and comparisons of tenders and recommendations concerning the award of Contract shall not be disclosed to tenderers or other persons not officially concerned with such process until the award of Contract is announced.
- 21.2. Any effort by a tenderer to influence the Employer in the process of examination, evaluation and comparison of tenders and decisions concerning award of Contract may result in the rejection of the tenderer's tender.

22. Clarification of Tenders

- 22.1. To assist in the examination, evaluation and comparison of tenders, the Employer may ask tenderers individually for clarification of their tenders, including breakdown of unit prices. The request for clarification and the response shall be in writing or by cable, facsimile or telex, 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 arithmetical errors discovered by the employer during the evaluation of the tenders in accordance with clause 24.
- 22.2. No tenderer shall contact the Employer on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. If the tenderer wishes to bring additional information to the notice of the Employer, he shall do so in writing.

23. Determination of Responsiveness

- 23.1. Prior to the detailed evaluation of tenders, the Employer will determine whether each tender is substantially responsive to the requirements of the tender documents.
- 23.2. For the purpose of this clause, a substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tender documents without material deviation, reservation or omission. A material deviation or reservation is one which affects in any substantial way the scope, quality, completion timing or administration of the Works to be undertaken by the tenderer under the Contract, or which limits in any substantial way, inconsistent with the tender documents, the Employer's rights or the tenderers obligations under the Contract and the rectification of which would affect unfairly the competitive position of other tenderers who have presented substantially responsive tenders.
- 23.3. Each price or unit rate inserted in the Bills of Quantities shall be a realistic estimate of the cost of completing the works described under the particular item including allowance for overheads, profits and the like. Should a tender be seriously unbalanced in relation to the Employer's estimate of the works to be performed under any item or groups of items, *the tender shall be evaluated as provided in ITT 26.5.*
- 23.4. A tender determined to be not substantially responsive will be rejected by the Employer and may not subsequently be made responsive by the tenderer by correction of the non- conforming deviation or reservation.

24. Correction of Errors

- I. Tenders determined to be substantially responsive shall be checked by the Employer for any arithmetic errors in the computations and summations Subject to section 74(2) of the The Public Procurement and Asset Disposal Regulations, 2020. Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive.
 - II. For avoidance of doubt section 82 of PPADA 2015 applies to firms that do not have errors referenced in I.

25. Conversion to Single Currency

- 25.1. For compensation of tenders, the tender price shall first be broken down into the respective amounts payable in various currencies by using the selling rate or rates of the Central Bank of Kenya ruling on the date twenty-one (21) days before the final date for the submission of tenders.
- 25.2. The Employer will convert the amounts in various currencies in which the tender is payable (excluding provisional sums but including Day works where priced competitively) to Kenya Shillings at the selling rates stated in clause 25.1.

26. Evaluation and Comparison of Tenders

- 26.1 The Employer will evaluate only tenders determined to be substantially responsive to the requirements of the tender documents in accordance with clause 23.
- 26.2. In evaluating tenders, the Employer 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 24.
 - (b) Excluding Provisional Sums and provision, if any, for Contingencies in the Bills of Quantities, but including Day works where priced competitively.
- 26.3. The Employer reserves the right to accept any variation, deviation or alternative offer. Variations, deviations, alternative offers and other factors which are in excess of the requirements of the tender documents or otherwise result in the accrual of unsolicited benefits to the Employer, shall not be taken into account in tender evaluation.
- 26.4. Price adjustment provisions in the Conditions of Contract applied over the period of execution of the Contract shall not be taken into account in tender evaluation.

- 26.5. If the lowest evaluated tender is seriously unbalanced or front loaded in relation to the Employer's estimate of the items of work to be performed under the Contract, the Employer may require the tenderer to produce detailed price analyses for any or all items of the Bills of Quantities, to demonstrate the relationship between those prices, proposed construction methods and schedules. After evaluation of the price analyses, the Employer may require that the amount of the Performance Security set forth in clause 29 be increased at the expense of the successful tenderer to a level sufficient to protect the Employer against financial loss in the event of subsequent default of the successful tenderer under the Contract.
- 26.6. 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 a non- indigenous sub-contractor.
- 26.7. Preference where allowed in the evaluation of tenders shall not exceed 15%
- 26.8. The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 26.9. The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.
- 26.10. A tenderer who gives false information in the tender document about its qualification
- 26.11. or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.
- 26.12. Poor past performance shall not be used as evaluation criteria unless specifically provided for in the **Appendix to Instructions to Tenderers**.

F: AWARD OF CONTRACT

27. Award Criteria

- 27.1 Subject to Sub-clause 27.2, the Employer will award the Contract to the tenderer whose tender is determined to be substantially responsive to the tender documents and who has offered the lowest evaluated tender price subject to possessing the capability and resources to effectively carry out the Contract Works as required in Sub-clause 2.1 and 2.2 here above.
- 27.2 The Employer reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders, at any time prior to award of Contract, without thereby incurring any liability to the affected tenderers or any obligation to inform the affected tenderers of the grounds for the Employer's action.
- 27.3 Tenderers may apply for all of the following advertised tenders but can only be awarded one. If the different evaluation committees recommend same bidder the bidder will be awarded the bid with the highest Technical score among the 3 advertised and recommended for award. As long as due diligence report still qualifies the bidder as per Regulations 80 of the PPAR,2020.

28. Notification of Award

- 28.1. Prior to the expiration of the period of tender validity prescribed by the Employer, the Employer will notify the successful tenderer by cable, telefax or telex and confirmed in

writing by registered letter that his tender has been accepted. This letter (hereinafter and in all Contract documents called “Letter of Acceptance”) shall name the sum (hereinafter and in all Contract documents called “the Contract Price”) which the Employer will pay to the Contractor in consideration of the execution and completion of the Works as prescribed by the Contract.

282. At the same time that the Employer notifies the successful tenderer that his tender has been accepted, the Employer shall notify the other tenderers that the tenders have been unsuccessful.
283. Within fourteen [14] days of receipt of the Form of Contract Agreement from the Employer, the successful tenderer shall sign the form and return it to the Employer together with the required Performance Security.
284. 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.

29. Performance Guarantee

- 29.1. Within twenty-eight [28] days of receipt of the notification of award from the Employer, the successful tenderer shall furnish the Employer with a Performance Security in the amount stated in the **Appendix to Instructions to Tenderers** and in the format stipulated in the Conditions of Contract.
292. The Performance Security to be provided by the successful tenderer shall be an unconditional Bank Guarantee issued at the tenderer’s option by a reputable Bank approved by the Employer and located in the Republic of Kenya and shall be divided into two elements namely, a performance security payable in foreign currencies (based upon the exchange rates determined in accordance with clause 60(5) of the Conditions of Contract) and a performance Security payable in Kenya Shillings. The value of the two securities shall be in the same proportions of foreign and local currencies as requested in the form of foreign currency requirements.
293. Failure of the successful tenderer to lodge the required Performance Security shall constitute a breach of Contract and sufficient grounds for the annulment of the award and forfeiture of the Tender Security and any other remedy under the Contract. The Employer may award the Contract to the next ranked tenderer.

30. Advance Payment

- 30.1. An advance payment, if approved by the Employer, shall be made under the Contract, if requested by the Contractor, in accordance with clause 60(1) of the Conditions of Contract. The Advance Payment Guarantee shall be denominated in the proportion and currencies named in the form of foreign currency requirements. For each currency, a separate guarantee shall be issued. The guarantee shall be issued by a Bank located in the Republic of Kenya, or a foreign Bank through a correspondent Bank located in the Republic of Kenya, in either case subject to the approval of the Employer.

31. Corrupt or fraudulent practices

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

APPENDIX TO INSTRUCTIONS TO TENDERERS

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

ITT Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERERS
A: GENERAL	
Clause 1(d)	Employer means the State Department for Housing and Urban Development
Clause 2.1	(a) To establish the eligibility of the Bidder in accordance with ITT Clause 2.1, the Bidder shall complete the relevant forms included in <i>Section IV Bidding Forms</i> ; and, (b) The Bidder must meet the eligibility criteria specified in <i>Section III Evaluation and Qualification Criteria</i> , without material deviations, reservations or omissions.
Clause 2.2	(a) The Bidder shall provide documentary evidence establishing the Bidder's qualifications using the relevant forms in Section IV Bidding Forms; and; (b) The Bidders shall meet the Qualification Criteria specified in Section III Evaluation and Qualification <i>Criteria</i> without material deviations, reservations or omissions.
Clause 2.3 (e)	Replace "agreement" with "duly signed and sealed joint venture agreement"
Clause 2.3 (d)	The Form of Tender must be duly filled, signed and stamped. The person signing must have written authority in the form of Power of Attorney .
Clause 3.2	The price to be charged for the hard copy tender document shall be NIL or available free as download from our website. Bidders who download the documents from the website are required to immediately inform the Employer of their wish to submit their bids. The bidder shall provide the following information: (a) Name of Bidder (b) Name of contact person (c) Telephone contact (d) Email address
B: TENDER DOCUMENTS	
Clause 11.2	Statement of Foreign Currency Requirements: Not Applicable
Clause 7.2	Communication of all addendums and any clarifications will also be done through local daily newspapers, email, and the information uploaded on the State Department's website (www.housingandurban.go.ke) as appropriate.
C: PREPARATION OF TENDERS	
Clause 8.1	The language to be used in tendering shall be English
Clause 10.3	The bidders should include all Government taxes and shall be in the Main Summary .
Clause 12.1	The Tender validity period shall be 180 days from the specified date of tender opening or from the extended date of tender opening whichever is the later.

Clause 13.1	The tender security shall be of an amount of Kenya Shillings 10 Million
Clause 13.3	The tender security validity period shall be 180 days from date of tender opening. From a Bank or any other financial institution approved by PPRA
Clause 14.2	Alternative offers shall not be allowed and any such bid shall be disqualified.
Clause 15.1	The tenderer is advised to visit and examine the Site and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing the tender and entering into a contract. The costs of visiting the Site shall be the tenderer's own responsibility.
Clause 15.2(b)	The Bidders are required to read carefully the content of the tender documents and ensure the request for clarifications about the documents and the work site within the stipulated timelines.
Clause 16.2	All pages of the bid shall be serialized and initialed by the authorized representative.
D: SUBMISSION OF TENDERS	
Clause 17.1	In addition to the original bid , the number of hard copies is: One (1) copy , prepared as a copy of the original. Tenderers may apply for all of the following advertised tenders but can only be awarded one. If the different evaluation committees recommend same bidder the bidder will be awarded the bid with the highest Technical score among the 3 advertised and recommended awards. As long as due diligence report still qualifies the bidder as per Regulations 80 of the PPAR,2020.
Clause 17.2	Attention: The Principal Secretary State Department for Housing and Urban Development; Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works Address: Ardhi House, Community Floor/Room number: 6th Floor, Tender Box Email: procurement@housingandurban.go.ke
Clause 18.1	The deadline for bid submission is: 6th January 2021 at 11:00AM
E: TENDER OPENING AND EVALUATION	
Clause 20.3	In the event of a discrepancy between the tender amount in words and amount in figures as stated in the Form of Tender the amount in words shall prevail .
Clause 23.3 and 26.5	Bids should conform to the requirement of these clauses.
Clause 24	I. Tenders determined to be substantially responsive shall be checked by the Employer for any arithmetic errors in the computations and summations Subject to section 74(2) of the The Public Procurement and Asset Disposal Regulations, 2020. Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. II. For avoidance of doubt section 82 of PPADA 2015 applies to firms that do not have errors referenced in I.

Clause 25.1	All prices shall be quoted in Kenya Shillings .
Clause 26.2	This clause shall apply as read together with Clause 24.
Clause 26.6	Only Citizen Contractors are eligible to bid.
Clause 26.11	Poor past performance shall be a factor in the evaluation of bids, as provided for in <i>Section III Evaluation and Qualification Criteria</i> .
Clause 27.3	Tenderers may apply for all of the following advertised tenders but can only be awarded one. If the different evaluation committees recommend same bidder the bidder will be awarded the bid with the highest Technical score among the 3 advertised and recommended for award. As long as due diligence report still qualifies the bidder as per Regulations 80 of the PPAR,2020.
P. AWARD OF CONTRACT	
Clause 29.1	The Performance Security shall be 10% (ten percent) of the contract amount.
Clause 29.2	The Performance Security shall be an unconditional Bank Guarantee in the required format and issued by a reputable Bank in Kenya; and furnished by the successful Bidder prior to signing the contract.
Clause 30	Advance payment may be approved at the discretion of the Employer, at 20% of the contract sum. Advance payment shall be paid against an unconditional bank guarantee of an equivalent amount issued by a bank in Kenya.
Clause 31.1	All tenderers shall fill and sign a declaration that they have not and will not be involved in corrupt or fraudulent practices.

SECTION III: EVALUATION AND QUALIFICATION CRITERIA

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

- 1) Preliminary Examination of Bids;
- 2) Technical Evaluation of Bids
- 3) Financial Evaluation
- 4) Due diligence and Recommendation for Award.

EVALUATION CRITERIA – THIS IS TO BE USED FOR EVALUATION OF BIDS

The received tenders will be evaluated in three stages as detailed below:

1. Stage 1: Compliance with Mandatory Requirements;
2. Stage 2: The Technical Evaluation on Capacity to Deliver;
3. Financial Evaluation with recommendation of award to the lowest evaluated bidder
4. Due diligence

Stage 1: Compliance with the Mandatory Requirements (MR)

The following mandatory requirements must be met notwithstanding other requirements in the documents:

No	Requirements	Tenderer's Response
MR 1	Provide documentary evidence of the company's Certificate of Incorporation or registration certificate (Legal structure)	
MR 2	Provide copy of current CR 12 for the bidding Firms dated within the last six months of tender opening date. No directors /associates of a company will be allowed to bid with more than one company name.	
MR 3	Provide copy of the company's current Certificate of Tax Compliance issued by Kenya Revenue Authority (KRA) valid at least up to the date of tender opening.	
MR 4	Provide documentary evidence of liquid assets and/or availability of credit facilities of a value of at least Kshs. 500,000,000 (Kenya Shillings five hundred Million) . (Attach copies of certified bank statements for the last six months (within March & September,2020) OR Current letter of credit line for this specific tender from a Financial institution registered by Central Bank of Kenya. The documents so provided may be verified for authenticity).	
MR 5	Provide documentary evidence of the Company's valid registration by National Construction Authority as Building Works Contractor Category NCA 1.	
MR 6	Provide documentary evidence of the Company's valid annual practicing license from the National Construction Authority Category NCA 1 in relation to these works.	

MR 7	Provide documentary evidence in form of Audited Accounts for the Company for at least three (3) consecutive years between and including 2017 and 2019 to indicate the Company has had an average annual turnover of Kenya Shillings one Billion (Kshs. 1 Billion) and above in each of the three years. The audited accounts MUST be signed by the auditor preparing the audited accounts and the candidate's Company Director(s).	
MR 8	Duly executed, Signed and witnessed Power of attorney authorizing the signatory to sign the bid on behalf of the bidder.	
MR 9	Duly filled, signed and stamped form of tender in the prescribed format	
MR 10	Duly filled, signed and stamped Confidential Business Questionnaire	
MR 11	Provide site visit certificate duly Filled, signed and stamped by the Employer	
MR 12	Provide a valid Business Permit	
MR 13	All pages shall be serialized and initialed.	
MR 14	Tender Security in the prescribed format, amount and valid as specified in the Appendix to Instructions to Tenderers.	
MR 15	Duly filled, signed and stamped Declaration and Commitment To The Code Of Ethics in the prescribed format	

Bidders shall be required to meet all the Mandatory Requirements to progress to stage 2 of the evaluation on Technical Evaluation (Capacity to Deliver the Project).

Stage 2: Technical Evaluation (TE)

Tenderers fully complying with mandatory requirements will be subjected to technical evaluation on capacity to deliver the contract based on the technical parameters given below:

	Evaluation Attribute	Weighting Score	Max Score
T1	Number of years in the business of building construction and maintenance (a copy of certificate of incorporation or registration to be provided for verification).	Each active year of registration will earn 1marks to a maximum of 5 years	5
T2	Provide a list of at least five (5) clients/projects with references (names and telephone of contact persons) to which the company has undertaken building construction works each valued at KShs.1,000,000,000 and above in the last 7 years . The Employer may undertake due diligence on the list. Note: Bidder to provide copies of contracts and completion certificates as proof of having undertaken the works.	Each reference client will earn 7 marks to a maximum of 5 clients	35

<p>T3</p>	<p>Provide a list of at least Ten (10) Qualified Technical Staff in the company relevant to the building construction industry.</p> <p>For any of the personnel provided to qualify, the following requirements MUST be met:</p> <ul style="list-style-type: none"> a. As a minimum, the academic qualifications of each of the personnel MUST be a diploma from a recognized institution in any of the following fields; <ul style="list-style-type: none"> i. Civil and/or Structural Engineering ii. Electrical and/or Mechanical Engineering iii. Quantity Surveying iv. Architecture v. Construction Management vi. Building Technology vii. Any other building construction related field b. Technical personnel to be provided: <ul style="list-style-type: none"> i). Project Manager; ii)Asst. Project Manager iii). Site Agent; iv). Quantity Surveyor; v). Lands Surveyor; vi). Electrical /Mechanical Engineer; vii). Civil /Structural Engineer viii). General Forman ix). Concrete/Form Work/Steel Forman x). Walling/Finishes Foreman c. All technical staff provided MUST have as a minimum 	<p>Each Qualified Technical Staff will earn 3 marks to a maximum of 10No. Qualified Technical Staff.</p>	<p>30</p>
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	<p>five years' post college experience in building construction. Each personnel MUST indicate the firms he/she has worked in since graduation.</p> <p>d. Detailed Curriculum Vitae (CV's) of each staff MUST be attached. The Curriculum Vitae MUST state qualification, experience, and duration with the firm and active contacts of the staff. The contacts given in the Curriculum Vitae MUST be active email addresses.</p> <p>e. Copies of academic certificates MUST be provided.</p> <p>f. The role of each technical staff should be indicated</p> <p>Where personnel provide certificates of degrees from foreign institutions, a letter of recognition of the institution from the Commissioner of University Education of Kenya MUST be provided for the certificate to qualify.</p>		
T4	<p>Provide list of at least ten (10) key equipment owned or leased by the company that will be used in the execution of the works (Key Equipment required: Hoisting equipment, Concrete Mixer, Excavator, Back hoe, Wheel Loader, Motor grader, Roller, Bull Dozer, Truck Loader, Tipper Trucks, Fork Lift, Generator, Scaffolding, Mobile boom elevator, suspended cradles etc). Provide proof of ownership e.g. logbook or lease agreement where applicable not older than one year</p>	Each relevant equipment will earn 2 marks upto a maximum of 20 marks	20
T5	<p>Provide documentary evidence in form of Audited Accounts for the Company for at least three (3) consecutive years between and including 2017 and 2019 Certified by a certified auditor. The audited accounts MUST be signed by the auditor preparing the audited accounts and the candidate's Company Director(s).</p>	<p>i) 10 marks for average annual turnover of 2Billion and above</p> <p>ii). 7 marks for average annual turnover of 1.5B and below 2B</p> <p>iii). 5 marks for average annual turnover of 1B and below 1.5B</p> <p>iv). No mark for average annual turnover of below 1Billion</p>	10
	Total		100

Tenderers will be required to score 75% and above on the above Technical Evaluation to proceed to financial evaluation stage.

STAGE 4: RECOMMENDATION FOR AWARD

The purpose of this stage will be to determine the successful bidder using the following procedure:

- (a) The Bidders shall be ranked from lowest to the highest evaluated price, and the bidder with the lowest evaluated price identified.
- (b) The lowest evaluated bidder shall be subjected to **due diligence** to verify the information/documents provided and past performance as outlined in the Appendix to Instructions to Tenderers 26:11
- (c) Tenders determined to be substantially responsive shall be checked by the Employer for any arithmetic errors in the computations and summations Subject to section 74(2) of the The Public Procurement and Asset Disposal Regulations, 2020. Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive.
- (d) If the lowest evaluated bidder fails after the conduct of due diligence, a report shall be prepared to that effect and the bid rejected as non-responsive.
- (e) In that event, the second lowest bidder shall be subjected to the due diligence based on the forms submitted under *Section Vi Bidding Forms*
- (f) The Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the tender documents, provided further that the Bidder is determined to be eligibility and qualified to perform the contract shall be recommended for award of contract.
- (g) Where for any reasons the lowest bidder recommended for award of contract declines in writing to accept the award or fails to furnish the required performance security within the given timelines; the award shall be revoked and the next ranked bidder shall be recommended for award of the contract.
- (h) The Employer reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders, at any time prior to award of contract, without thereby incurring any liability to the affected tenderers or any obligation to inform the affected tenderers of the grounds for the Employer's action.
- (i) Tenderers may apply for all of the following advertised tenders but can only be awarded one. If the different evaluation committees recommend same bidder the bidder will be awarded the bid with the highest Technical score among the 3 advertised and recommended for award. As long as due diligence report still qualifies the bidder as per Regulations 80 of the PPAR,2020.

SECTION III CONDITIONS OF CONTRACT

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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 Employer 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 the Employer.

“The Contractor’s Tender” is the completed tendering document submitted by the Contractor to the Employer.

“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. Central or Local 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 Employer 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 the Employer, 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;

- (1) Notification of Award
- (2) Letter of Acceptance,
- (3) Contract Agreement,
- (4) Contractor's Tender,
- (5) Appendix to Conditions of Contract,
- (6) Conditions of Contract,
- (7) Specifications,
- (8) Drawings,
- (9) Bill of Quantities,
- (10) 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 the Employer 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 Employer] 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 the Employer and the Contractor in the role representing the Employer.

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 the Employer 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 Employer, as per the directions of the Project Manager. The Contractor shall also provide facilities and services for them. The Employer 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 the Employer. 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 The Employer 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, the Employer 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 authorized 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.

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 the Employer once the Employer 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. The Employer shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of issue of each certificate. If the Employer 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 the Employer 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 the Employer reserves the right to pay the equivalent at the time of payment in the currencies of the countries of such goods and services. The Employer 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 Employer 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 20% (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 the Employer 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:

$$R = A(x^1 - x^{11}) / 0.6$$

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^{11} = 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) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Appendix to Conditions of Contract.
- (b) The Employer 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 the Employer 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 the Employer's 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 the Employer'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 The Employer 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 the Employer 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. The Employer 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 the Employer 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 the Employer, 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 of the Employer or in Employer'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 Employer'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 Employer's risk are Contractor's risks.

The Contractor shall provide, in the joint names of the Employer 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, the Employer 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 an 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. The Employer 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 the Employer 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. The Employer shall pay the Contractor the amount due in the Final Certificate within 60 days.

33. Termination

- 33.1 The Employer 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 the Employer 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 the Employer 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 Employer's 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 The Employer 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 the Employer 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 the Employer 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 the Employer 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 the Employer 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 the Employer 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

The Contractor shall not;

(a) Offer or give or agree to give to any person in the service of the

Employer 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 the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract for the Employer.

(b) Enter into this or any other contract with the Employer 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 the Employer. 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 the Employer 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:

37.5.1 The appointment of a replacement Project Manager upon the said person ceasing to act.

37.5.2 Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.

37.5.3 Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.

37.5.4 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 the Employer 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.

SECTION IV – APPENDIX TO CONDITIONS OF CONTRACT

THE EMPLOYER IS: THE PRINCIPAL SECRETARY, STATE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

Address: P.O. BOX 30119 -00100 NAIROBI.

Name of Authorized Representative:

Name: SECRETARY, URBAN & METROPOLITAN DEVELOPMENT.

The Project Manager is;

Name: SECRETARY, URBAN & METROPOLITAN DEVELOPMENT.

Address: P.O. BOX 301300-00100 NAIROBI

The name (and identification number) of the Contract is **PROPOSED CONSTRUCTION OF GIKOMBA MARKET QUARRY ROAD BLOCK D. IN NAIROBI COUNTY.**

The Works consist of: Erection and Completion of a 9 level Multi-Storey Market and Associated Mechanical & Plumbing Works, Electrical Works and External Works.

The Start Date shall be **AGREED WITH THE PROJECT MANAGER**

The Intended Completion Date for the whole of the Works shall be **78 (SEVENTY-EIGHT) WEEKS FROM DATE OF POSSESSION**

The following documents also form part of the Contract:
BILLS OF QUANTITIES, CONTRACT DRAWINGS AND ANY OTHER AUTHORIZED DRAWINGS WHICH MAY BE USED

The Contractor shall submit a revised program for the Works within **SEVEN (7)** days of delivery of the Letter of Acceptance.

The Site Possession Date shall be **AGREED WITH THE PROJECT MANAGER**

The Site is located at the existing Gikomba Quarry road Market in **Nairobi City County** and is defined in drawings no.

CONTRACT DRAWINGS

The Defects Liability period is **180** days.

Other Contractors, utilities etc., to be engaged by the Employer on the Site Include those for the execution of;
NONE

The minimum insurance covers shall be;

1. The minimum cover for insurance of the Works and of Plant and Materials in respect of the Contractor's faulty design is; **N/A**
2. The minimum cover for loss or damage to Equipment is; **1,000,000.00**
3. The minimum for insurance of other property is; **Kshs 2,000,000.00**
4. The minimum cover for personal injury or death insurance
 - For the Contractor's employees is; **Kshs 2,000,000.00**
 - And for other people is; **Kshs 2,000,000.00**

The following events shall also be Compensation Events:
NONE (ONLY AS LISTED IN CLAUSE 24 OF THE CONDITIONS OF CONTRACT

The period between Program updates is **14** days.

The amount to be withheld for late submission of an updated Program is;
FULL CERTIFICATE

The proportion of payments retained is **10%** percent to limit of **5%** of contract sum. The Price Adjustment Clause **SHALL NOT** apply

The liquidated damages for the whole of the Works is Kshs.
250,000/= (per week) The **Performance Security** shall be **10 percent** (%) of the Contract Price. The Completion Period for the Works is **78 WEEKS**.

The rate of exchange for calculation of foreign currency payments is **not applicable**

The schedule of basic rates used in pricing by the contractor is as attached [contractor to attach].

Advance payment **MAY BE** GRANTED AT THE DESRETION OF THE CLIENT TO A LIMIT OF 20% OF CONTRACT SUM SECURED A BANK GUARANTEE FROM A REPUTABLE BANK.

PRETENDER INSTRUCTIONS TO TENDERERS

There will be a **mandatory** pre site visit to be held on.....Day of2020.

Failure to attend this Pretender site visit will lead to automatic disqualification of the tenderer.

Contractors representative's name.....

Signature.....**Date**.....

Client or Project manager's representative.....

Signature and Stamp.....**Date**.....

SECTION V - DRAWINGS

1. Architectural drawings
2. Structural drawings
3. Electrical and mechanical drawings

SECTION VI – STANDARD FORMS

- (i) Form of Invitation for Tenders
- (ii) Form of Tender
- (iii) Letter of Notification of Award
- (iv) Letter of Acceptance
- (v) Form of Contract Agreement
- (vi) Form of Tender Security
- (vii) Performance Bank Guarantee
- (viii) Bank Guarantee for Advance Payment
- (ix) Qualification Information
 - Tender Questionnaire
 - Confidential Business Questionnaire
 - Statement of Foreign currency requirement
- (x) Details of subcontractors
- (xi) Technical proposal forms
 - Site organization
 - Method statement
 - Mobilization Schedule
 - Construction Schedule
- (xii) Contractor's Equipment Form
- (xiii) Contractor's Personnel Form

FORM OF INVITATION FOR TENDERS

_____ [date]

To: _____ [name of Contractor]
_____ [address]

Dear Sirs:

Reference: _____ [Contract Name]

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

_____ [mailing address, cable/telex/facsimile numbers].

Upon payment of a non-refundable fee of Kshs _____

All tenders must be accompanied by _____ number of copies of the same and a security in the form and amount specified in the tendering documents, and must be delivered to

_____ [address and location]

at or before _____ (time and date). 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,

_____ Authorised Signature

_____ Name and Title

FORM OF TENDER

TO:
.....
.....

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings 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 **KENYA SHILLINGS**
.....
.....
.....(Kshs... ..)
2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Conditions of Contract.
3. 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.
4. 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.
5. 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
_____ [Name of
Employer] of _____ [Address
of Employer]

Witness; Name _____
Address _____
Signature _____
Date _____

LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

To: _____

RE: Tender No. _____

Tender Name _____

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

1. Please acknowledge receipt of this letter of notification signifying your acceptance.
2. The contract/contracts shall be signed by the parties
3. within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.
4. You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

(FULL PARTICULARS) _____

SIGNED FOR ACCOUNTING OFFICER

LETTER OF ACCEPTANCE

[letterhead paper of the Employer]

_____ [date]

To: _____
[name of the Contractor]

[address of the Contractor]

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

Attachment : Agreement

FORM OF AGREEMENT

THIS AGREEMENT, made the _____ day of _____ 20____
between _____ of [or whose
registered office is situated at] _____
(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 (name and identification number of Contract) (hereinafter called “the Works”) located at ___[Place/location of the Works] 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 Kshs _____ [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 Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer 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 Employer _____

Binding Signature of Contractor _____

In the presence of (i) Name _____

Address _____

Signature _____

[ii] Name _____

Address _____

Signature _____

FORM OF TENDER SECURITY

WHEREAS (hereinafter called “the Tenderer”) has submitted his tender dated for the construction of
..... (Name of Contract)

KNOW ALL PEOPLE by these presents that WE..... having our registered office at (hereinafter called “the Bank”), are bound unto (hereinafter called “the Employer”) in the sum of Kshs. for which payment well and truly to be made to the said Employer,
the Bank binds itself, its successors and assigns by these presents sealed with the Common Seal of the said Bank this Day of20.....

THE CONDITIONS of this obligation are:

1. If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers
Or
2. If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:
 - (a) fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, 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 Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him, 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 said date.

[Date [

[signature of the Bank]

[Witness]

[Seal]

PERFORMANCE BANK GUARANTEE

To: _____ (Name of Employer) _____ (Date)
_____ (Address of

Employer) Dear Sir,

WHEREAS _____ (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ (hereinafter called "the Works");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Kshs. _____ (amount of Guarantee in figures) Kenya Shillings _____ (amount of Guarantee in words), and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of Kenya Shillings _____ (amount of Guarantee in words) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

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

This guarantee shall be valid until the date of issue of the Certificate of

Completion. SIGNATURE AND SEAL OF THE GUARANTOR _____

Name of Bank _____

Address _____

Date _____

BANK GUARANTEE FOR ADVANCE PAYMENT

To: _____ [name of Employer] _____ (Date)
_____ [address of

Employer] Gentlemen,

Ref: _____ [name of Contract]

In accordance with the provisions of the Conditions of Contract of the above-mentioned Contract, We, _____ [name and Address of Contractor] (hereinafter called "the Contractor") shall deposit with

_____ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Contract in an amount of Kshs. _____ [amount of Guarantee in figures] Kenya Shillings _____ [amount of Guarantee in words].

We, _____ [bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ [name of Employer] on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding Kshs. _____ [amount of Guarantee in figures] Kenya Shillings

_____ [amount of Guarantee in words], such amount to be reduced periodically by the amounts recovered by you from the proceeds of the Contract.

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

No drawing may be made by you under this guarantee until we have received notice in writing from you that an advance payment of the amount listed above has been paid to the Contractor pursuant to the Contract.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ (name of Employer) receives full payment of the same amount from the Contract.

Yours faithfully,

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness: Name: _____
Address: _____
Signature: _____
Date: _____

QUALIFICATION INFORMATION

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. Telex address 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

Make copy and deliver to: _____(Name of Employer)

CONFIDENTIAL BUSINESS QUESTIONNAIRE

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

You are advised that it is a serious offence to give false information

on this Form. Part 1 – General

Business Name

Location of business premises; Country/Town.....

Plot No..... Street/Road

Postal Address..... Tel No.....

Nature of Business.....

Current Trade License No..... Expiring date.....

Maximum value of business which you can handle at any time: K. pound.....

Name of your bankers.....

Branch.....

Part 2 (a) – Sole Proprietor

Your name in full..... Age.....

Nationality..... Country of Origin.....

*Citizenship details

Part 2 (b) – Partnership

Give details of partners as follows:

Name in full Nationality Citizenship Details Shares

- 1.....
- 2.....
- 3.....

Part 2(c) – Registered Company:

Private or public.....

State the nominal and issued capital of the Company-

Nominal Kshs.....

Issued Kshs.....

Give details of all directors as follows:

Name in full . Nationality. Citizenship Details*. Shares.

1.
.....

2.
.....

3.
.....

4.
.....

Part 2(d) – Interest in the Firm:

Is there any person / persons in.....(Name of Employer) who has interest in this firm? Yes/No.....(Delete as necessary)

I certify that the information given above is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

- Attach proof of citizenship

DECLARATION AND COMMITMENT TO THE CODE OF ETHICS
(to be submitted as part of any quotation or tender or proposal)

I (person) on behalf of (Name of the Business/
Company/Firm).....declare that I have read and fully
understood the contents of the Public Procurement and Asset Disposal Act, 2015, Regulations and the
Code of Ethics for persons participating in Public Procurement and Asset Disposal and my
responsibilities under the Code. I do hereby commit to abide by the provisions of the Code of Ethics for
persons participating in Public Procurement and Asset Disposal.

Name of Authorized signatory..... Sign.....

Position..... Office address.....

Telephone..... E-mail..... Name of the
Firm/Company.....

Date.....(Company Seal/ Rubber Stamp where applicable) Witness Name

.....

Sign.....

Date.....

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)

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

CONTRACTOR'S EQUIPMENT

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in *Section III, Evaluation and Qualification Criteria*. A separate Form shall be prepared for each item of equipment listed. The Bidder shall provide all the information requested below, to the extent possible. The Bidder shall attach in annex the evidence of either ownership or lease of each of the listed key equipment.

Type of Equipment	
Equipment Information	Name of manufacturer
	Model and power rating
	Capacity
	Year of manufacture
Current Status	Current location
	Details of current commitments
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured

The following information shall be provided only for equipment not owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name
	Email	Contact title
Agreements	Details of rental / lease / manufacture agreements specific to the project	

CONTRACTOR'S PERSONNEL

Bidders should provide the names of suitably qualified key personnel to meet the specified requirements for each of the positions listed in *Section III Evaluation and Qualification Criteria*. The data on their experience should be supplied using the Form below for each personnel. The academic and professional certificates shall be attached in annex.

1.	Title of position
	Name
2.	Title of position
	Name
3.	Title of position
	Name
4.	Title of position
	Name
5.	Title of position
	Name
6.	Title of position
	Name
etc.	Title of position
	Name

CURRICULUM VITAE OF PROPOSED PERSONNEL

Key Personnel

Name of Bidder

Position [# 1]: [title of position from Form 15]											
Personnel information	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; padding: 5px;">Name:</td> <td style="width: 60%; padding: 5px;">Date of birth:</td> </tr> <tr> <td style="padding: 5px;">Address:</td> <td style="padding: 5px;">E-mail:</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Professional qualifications:</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Academic qualifications:</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Language proficiency: [language and levels of speaking, reading and writing skills]</td> </tr> </table>	Name:	Date of birth:	Address:	E-mail:	Professional qualifications:		Academic qualifications:		Language proficiency: [language and levels of speaking, reading and writing skills]	
Name:	Date of birth:										
Address:	E-mail:										
Professional qualifications:											
Academic qualifications:											
Language proficiency: [language and levels of speaking, reading and writing skills]											
Details	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 5px;">Address of employer:</td> </tr> <tr> <td style="width: 40%; padding: 5px;">Telephone:</td> <td style="padding: 5px;">Contact (manager / personnel officer):</td> </tr> <tr> <td style="padding: 5px;">Fax:</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Job title:</td> <td style="padding: 5px;">Years with present employer:</td> </tr> </table>	Address of employer:		Telephone:	Contact (manager / personnel officer):	Fax:		Job title:	Years with present employer:		
Address of employer:											
Telephone:	Contact (manager / personnel officer):										
Fax:											
Job title:	Years with present employer:										

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	Role	Duration of involvement	Relevant experience
<i>[main project details]</i>	<i>[role and responsibilities on the project]</i>	<i>[time in role]</i>	<i>[describe the experience relevant to this position]</i>

Declaration: I, the undersigned Key Personnel, certify that to the best of my knowledge and belief, the information contained herein correctly describes myself, my qualifications and my experience. I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	Details
Commitment to duration of contract:	<i>[insert period (start and end dates) for which this Key Personnel is available to work on this contract]</i>
Time commitment:	<i>[insert the number of days/week/months/ that this Key Personnel will be engaged]</i>

I understand that any misrepresentation or omission in this Form may:

- (a) be taken into consideration during Bid evaluation;
- (b) my disqualification from participating in the Bid;
- (c) my dismissal from the contract.

Name of Key Personnel: *[insert name]*

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day month year): _____

PENDING LITIGATION AND ARBITRATION

[The Bidder shall provide details of all pending litigations and arbitrations using the following form]

Year	Other Party	Cause of Dispute	Amount involved (KES)

I certify that the above information is correct.

.....
Title

.....
Signature

.....
Date

FINANCIAL SITUATION

{The Bidder shall fill completely the following form and attach to the bid the copies of audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following conditions: (a) Must reflect the financial situation of the Bidder and not sister or parent companies; (b) Must be audited by a certified accountant; (c) Must be complete, including all notes to the financial statements; (d) Must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted)}

Bidder Name:
Tender Number
Tender
Description:

Date: _____

Financial information in Kenya Shilling	Historic information for previous 5 years						
	Year 1	Year 2	Year 3	Year 4	Year 5	Avg.	Avg. Ratio
Information from Balance Sheet							
Total Assets (TA)							
Total Liabilities (TL)							
Net Worth (NW=TA-TL)							
Current Assets (CA)							
Current Liabilities (CL)							
Working Capital (CA-CL)							
Information from Income Statement							
Total Revenue (TR)							
Profits Before Taxes (PBT)							
Profit After Taxes							

FINANCIAL RESOURCES

The Bidder shall specify the proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in *Section III Evaluation and Qualification Criteria* and attach documentary evidence of each source.

Bidder Name:
Tender Number
Tender
Description:

Date: _____

No	Source of financing	Amount (KShs)
1	Working Capital	
2	Credit Line	
3	Other financial resources	
Total available financial resources		

AVERAGE ANNUAL TURNOVER

Bidder Name:
Tender Number
Tender
Description:

Date: _____

Annual turnover data (construction only)			
Year	Amount in Currency	Exchange Rate	Amount (KShs)
*Average Annual Construction Turnover			

*Average annual turnover calculated as total certified payments received for work in progress or completed over the number of years specified in *Section III Evaluation and Qualification Criteria* divided by that same number of years.

SCHEDULE OF ONGOING PROJECTS

Bidders and each partner to a joint venture should provide information on their current commitments on all contracts that have been awarded, or for which a letter of acceptance is received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Employer Contact Address	Description of Works	Total Value of Works (Kshs)	Value of Outstanding Work (Kshs)	Contract Period (Years)	Date of Commencement	Remaining Contract Period in months
Total						

I certify that the above Works are being carried out by ourselves and that the above information is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

CONTRACTOR'S GENERAL EXPERIENCE

Bidder Name:
Tender Number
Tender
Description:

Date: _____

Starting Month / Year	Ending Month / Year	Year	Contract Identification
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address: Telephone: Email:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address: Telephone: Email:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address: Telephone: Email:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address: Telephone: Email:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address: Telephone: Email:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address: Telephone: Email:

CONTRACTOR'S SPECIFIC EXPERIENCE

Similar Contract Number:____[insert specific number] of____[insert total number of contracts required]	Information		
<i>Contract Identification</i>			
<i>Award date</i> <i>Completion date</i>			
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
<i>Total contract amount</i>			<i>KSHS</i>
<i>If partner in a JVCA or subcontractor, specify participation of total contract amount</i>	_____ %	_____	<i>KSHS</i>
<i>Employer's Name:</i>			
<i>Physical Address:</i>			
<i>Telephone:</i> <i>E-mail:</i>			

SUPPLEMENTARY DOCUMENTS

The Bidder shall provide certified copies of documents and information as annex to the bid:

Annex 1: Certificate of Incorporation or Registration

Annex 2: CR 12 dated within the last 12 months from date of submission of

bids Annex 3: NCA Certificate

Annex 4: Value Added Tax Certificate

Annex 5: Tax Compliance Certificate

Annex 6: Valid Business Permit or Trade License

Annex 7: Copies of audited financial statements for the latest five years

Annex 8: Letter from a financial institution or other evidence of financial resources

Annex 9: Contract Agreement or Purchase orders to meet general experience criteria

Annex 10: Contract Agreement or Purchase Orders to meet the specific experience criteria Annex 11: Academic certificates for each of the proposed personnel

Annex 12: Professional certificates for each of the proposed personnel

Annex 13: Ownership or lease documents for each of the proposed equipment

Annex 14: Joint venture agreement or subcontracting agreement, where

applicable. Annex 15: Contact of the Bidder's bankers using the following form:

Name of Bank	
Physical Address	
Telephone	
Email	
Bank Account Number	
Contact Person	

PREAMBLES AND PRICING NOTES

A. GENERALLY

All work to be carried out in accordance with the Ministry of Roads, Public Works and Housing General Specifications for Building Works issued in 1976 or as qualified or amended.

B. MANUFACTURERS' NAMES

Where manufacturers' names and catalogue references are given for guidance to quality and standard only, alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.

C. WALLING

All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Roads, Public Works and Housing "Specification for Metric Sized Concrete Blocks for Building (1972)"

Walling of 100 mm thickness or under shall be reinforced with hoop iron every alternate course.

Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.

D. CARPENTRY

The grading rules for cypress shall be the same as for podocarpus and all timber used for structural work shall be select (second grade).

All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

Prices must also include for all nails and fasteners

A. JOINERY

Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.

Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager, use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.

Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.

Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.

B. IRONMONGERY

Ironmongery shall be as specified in the Bills of Quantities or equal and approved.

Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or blockwork.

Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal quality, he must inform the Project Manager and obtain approval in writing.

C. STRUCTURAL STEELWORK

All structural steelwork shall comply with the Ministry of Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

A. PLASTERWORK AND OTHER FINISHES

All finishings shall be as described in the general specifications and in these Bills of Quantities.

Prices for pavings are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.

Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.

B. GLAZING

Where polished plate glass is specified, this refers to general glazing quality. Prices for glazing shall include for priming of rebates before placing putty.

The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.

C. PAINTING

All paint shall be 1st quality "Crown" or other equal and approved

Painting shall be applied in accordance with the manufacturers' instructions.

Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.

**BILLS OF QUANTITIES
PARTICULAR PRELIMINARIES**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<p>PRICING ITEMS OF PRELIMINARIES</p>				
A	<p>Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.</p>				
	<p>EMPLOYER</p>				
B	<p>The "Employer" is Principal Secretary, SDHUD Represented by the Secretary, Urban & Metropolitan Development. The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p>				
	<p>PROJECT MANAGER</p>				
C	<p>The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>				
	<p>ARCHITECT</p>				
D	<p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Urban Development, P.O. Box 30450-00100,</p>				
	<p>QUANTITY SURVEYOR</p>				
E	<p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Urban Development, P.O. Box 30450-00100, NAIROBI.</p>				
	<p>ELECTRICAL ENGINEER</p>				
F	<p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Urban Development, P.O. Box 30450-00100, NAIROBI.</p>				
	<p>MECHANICAL ENGINEER</p>				
G	<p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Urban Development, P.O. Box 30450-00100, NAIROBI.</p>				
	<p>STRUCTURAL ENGINEER</p>				
H	<p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Slum Upgrading, P.O. Box 30130-00100, NAIROBI.</p>				
	<p>SCOPE OF THE CONTRACT <u>THE WORK TO BE CARRIED OUT UNDER THIS CONTRACT COMPRISES OF CONSTRUCTION OF MULTI STOREY BLOCK, ASSOCIATED CIVIL WORKS, ELECTRICAL & MECHANICAL INSTALLATIONS AS PER SPECIFICATIONS AND BILLS OF QUANTITIES.</u></p>				
I	<p>DESCRIPTION OF THE WORKS The works comprise of development of rehabilitation of existing market facilities as per above scope to completion to the specifications given.</p>				
	<p>CARRIED TO COLLECTION</p>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
A	<p>MEASUREMENTS</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the said Conditions.</p>				
B	<p>LOCATION OF SITE</p> <p>The site for works is located within the jurisdiction of County Government of Nairobi. The Tenderer shall be deemed to have visited the site and familiarised himself with all site conditions prior to submission of tenders. No claims arising from tenderer are failure to do so will be entertained.</p>				
C	<p>SIGNING OF THE TENDER DOCUMENTS</p> <p>The bidder shall append his / her signature and / or company's rubber stamp on each and every page of tender document.</p>				
D	<p>DEMOLITIONS AND ALTERATIONS</p> <p>The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc. as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager.</p> <p>The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described. Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site. The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned</p>	LS			
E	<p>CLEARING AWAY</p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager. The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.</p>	LS			
F	<p>CLAIMS</p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>				
	<p>CARRIED TO COLLECTION</p>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
A	<p>PAYMENTS</p> <p>The tenderer's attention is drawn to the fact that the; ADVANCE PAYMENT MAY BE GIVEN AT THE DISCRETION OF THE CLIENT TO A LIMIT OF 20% SECURED BY A BANK GUARANTEE. ALL OTHER PAYMENT WILL BE FOR WORK DONE AND MATERIALS DELIVERED TO SITE. All in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements</p>				
B	<p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p>	LS			
C	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the contract.</p>				
D	<p>SIGNBOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project</p>	NO			
E	<p>LABOUR CAMPS</p> <p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>				
F	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any reusable materials arising from demolitions and not re-used in this contract shall become the property of the Client. The Contractor shall allow in his rates the cost of transporting the materials to the location specified by the Project Manager.</p>				
G	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>				
H	<p>SECURITY</p> <p>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>	LS			
I	<p>URGENCY OF THE WORKS</p> <p>The Contractor is notified that these "works are urgent" and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p>				
	<p>CARRIED TO COLLECTION</p>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
A	<p>PAYMENT FOR MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>				
B	<p>EXISTING SERVICES</p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>	LS			
C	<p>BID SECURITY</p> <p>The Bidder shall furnish, as part of his bid, a security as specified in the tender advertisement. The bid security shall, at the bidder's option, be in the form of a certified cheque, bank draft, standby letter of credit or guarantee from a reputable bank located in Kenya or foreign bank which has been determined by the bidder to be acceptable to the Government. The format of the bank/insurance guarantee shall be in accordance with the sample forms of bid security included in the post qualification forms, other formats may be permitted, subject to the prior approval of the Government. Letters of credit, bank Guarantees issued as surety for the bid security shall be valid for a period of One Hundred and eighty(180) days from the date of Tender Opening.</p>				
D	<p>PERFORMANCE BOND</p> <p>A bond of 10% of the contract sum will be required in accordance with clause 6.00 (as amended) on award of contract of the Instructions to Tenderer's. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved</p>				
E	<p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page 9</p>				
F	<p>DELIVERY OF TENDER</p> <p>Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened</p>				
G	<p>VALUE ADDED TAX</p> <p>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for VAT and any other Government taxes currently in force.</p>				
	<p>NB: NO VAT SHALL BE ADDED AT THE GRAND SUMMARY PAGE</p>				
	<p>CARRIED TO COLLECTION</p>				-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<p>FIRM PRICE CONTRACT</p>				
A	<p>This is a contract, price adjustment has been allowed due to its complexity and scope and the amount has been provided in the provisional sums/works for that purpose of adjustments for labour and/or materials during the currency of the contract.</p>				
	<p>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</p>				
B	<p>The following are the insertions to be made in the appendix to the Contract Agreement: - Period of Final Measurement 6 Months From Practical completion Defects Liability Period 6 Months from Practical completion Date for Possession To be agreed with the Project Manager Date for Completion 78 weeks after commencement Liquidated and Ascertained At the rate of Kshs.. 250,000... per week or part thereof Period of Interim Certificates Monthly Period of Honouring Certificates 30 days Percentage of Certified Value Retained 10% Limit of Retention 5% Advance payment 20% Performance bond 10 % of the tender amount from a reputable bank</p>				
	<p>CARRIED TO COLLECTION</p>				
	<p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;">Brought forward from page PP/1</p> <p style="text-align: center;">Brought forward from page PP/2</p> <p style="text-align: center;">Brought forward from page PP/3</p> <p style="text-align: center;">Brought forward from page PP/4</p> <p style="text-align: center;">Brought forward from page Above</p>				
	<p>TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO THE GRAND SUMMARY</p>				

GENERAL PRELIMINARIES

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
	<p>PRICING ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification. The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p>				
A	<p>ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be all the requirements for the proper execution of the whole of the works in the Contract.</p> <p>C.M. Shall mean cubic metre S.M. Shall mean square metre L.M. Shall mean linear metre MM Shall mean Millimetre Kg. Shall mean Kilogramme No. Shall mean Number Prs. Shall mean Pairs B.S. - Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England. Ditto - Shall mean the whole of the preceding description except as qualified in the description in which it occurs. m.s. Shall mean measured separately. a.b.d Shall mean as before described.</p>				
C	<p>PERFORMANCE BOND.</p> <p>The Contractor shall find and submit on the Form of Tender an approved bank who will be willing to be bound to the Government in an amount equal to 10 per cent of the Contract amount for the due performances of the Contract up to the date of completion as certified by the PROJECT MANAGER and who will, when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.</p>				
D	<p>PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>	LS			
	<p>CARRIED TO COLLECTION</p>				-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
A	<p>TRANSPORT.</p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>				
B	<p>MATERIALS AND WORKMANSHIP.</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also ensure they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>				
C	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>				
D	<p>STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Subcontractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	LS			
E	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads, Housing and Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	LS			
	<p>CARRIED TO COLLECTION</p>				-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
	<p>GOVERNMENT ACTS REGARDING WORKS PEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>A The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p> <p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>B The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p> <p>OFFICE FOR THE PROJECT MANAGER</p> <p>The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the standard type, complete with furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p> <p>C</p> <p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER. The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p> <p>D</p>	LS			
	CARRIED TO COLLECTION				-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
A	<p>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>	LS			
B	<p>SUPERVISION AND WORKING HOURS</p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>				
C	<p>PROVISIONAL SUMS.</p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement. Such sums are net and no addition shall be made to them for Fit</p>				
D	<p>PRIME COST (OR P.C.) SUMS.</p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>				
E	<p>PROGRESS CHART.</p> <p>The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>				
F	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance"</p>				
	<p>CARRIED TO COLLECTION</p>				-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
A	<p>ADJUSTMENT OF P.C. SUMS. Ctd.....</p> <p>Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>				
B	<p>ADJUSTMENT OF PROVISIONAL SUMS.</p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations, but should any part of the work be executed by a Nominated Subcontractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>				
C	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C.</p> <p>Sums under the description "add for Attendance".</p>				
D	<p>DIRECT CONTRACTS</p> <p>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 instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>				
E	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC.</p> <p>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 use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	LS			
F	<p>INSURANCE</p> <p>The Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>				
	CARRIED TO COLLECTION				-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
A	<p>PROVISIONAL WORK</p> <p>All work described as "Provisional" in these Bills of Quantities is subject to re-measurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>				
B	<p>ALTERATIONS TO BILLS, PRICING, ETC.</p> <p>Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>				
C	<p>BLASTING OPERATIONS</p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>				
D	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>				
E	<p>PROTECTION OF THE WORKS.</p> <p>Provide protection of the whole or the works contained in the Bills of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government</p>	LS			
F	<p>REMOVAL OF RUBBISH ETC.</p> <p>Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>				
	<p>CARRIED TO COLLECTION</p>				-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
	<p>WORKS TO BE DELIVERED UP CLEAN</p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p> <p>GENERAL SPECIFICATION</p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads, Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p> <p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p> <p>MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p> <p>HOARDING</p> <p>The Contractor shall enclose all the site under construction with a hoarding 2400 mm high consisting of iron sheets gauge 30 on 100 x 50 mm 2nd grade treated sawn cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm 2nd grade treated sawn cypress timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p> <p>CONTRACTOR'S SUPERINTENDENT/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p> <p>CARRIED TO COLLECTION</p>	LS			
					-

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
	<u>COLLECTION</u>				
	Brought Forward From Page GP/ 1				
	Brought Forward From Page GP/ 2				
	Brought Forward From Page GP/ 3				
	Brought Forward From Page GP/ 4				
	Brought Forward From Page GP/ 5				
	Brought Forward From Page GP/ 6				
	Brought Forward From Page GP/ 7				
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY				-

**THE PROPOSED GIKOMBA MARKET PHASE TWO PROJECT
LOCATED IN NAIROBI CITY COUNTY.**

Item	Description	Units	Qty	Rate (Kshs)	Amount (Kshs)
	<u>BILL NO. 1</u>				
	<u>PROJECT'S PROVISIONS</u>				
	<u>Note: The Following Provisions are Project Manager's Project Provisions. Contractor is advised to price for other preliminaries under the section of particular and General Preliminaries in the tender</u>				
	Project Manager's staff and Supervision				
A	Provide for supervision as follows: 2 No. Clerks of works, (Civil, Concrete, building and services), 2 no. Work Inspectors, 1 No. Office secretary and 1 no. office attendant, 1 No Surveyor, 1 No Material technician, 1 No. planner environmentalist for the duration of the Project.	ITEM	1	7,200,000	7,200,000
B	Allow a provisional sum for site staff overtime allowances	ITEM		800,000	800,000
C	Allow a provisional sum of Kshs. One Million (1,000,000) for provision of fully furnished Project Manager's site office for the duration of the project.	ITEM		1,000,000	1,000,000
D	Allow a provisional sum of Kshs. Three Million only (3,000,000) for quality control and including geotechnical investigation and testing of samples.	ITEM		3,000,000	3,000,000
E	Allow a provisional sum of Kshs. Three Million (3,000,000) for Project Management Team and other stakeholders facilitation allowances during project implementation, as and whenever it is necessary.	ITEM		3,000,000	3,000,000
F	Allow for the Contractor's overheads and profits on all provisional items A-E above	%			
G	Provide one number diesel propoelled van carrying capacity 12 persons minimum engine capacity 2500cc complete with all accessories for exclusive use of Project Managers and the other PM team for the duration of the project including the defects liability period (the vehicle reverts to the employer after the completion of the project)	ITEM			
H	Maintain with competent driver's, fuel, lubricate and service the project vehicles for the duration of the contract, commissioning and handover. Allow for 5000Km per vehicle month upto end of defects liability period	ITEM			
I	Provide and erect publicity signboards for the whole of the project including defects liability period as will be instructed by the Project Manager and in accordance with the designs and specifications to be issued.	No	2		
J	Provide a Prime-cost sum of Kshs One Million, (1,000,000.00) only for carrying out environmental impact assessment before the commencement of works and and undertaking environmental mitigation measures as the work progresses.	PSUM	1	1,000,000	1,000,000
K	Allow a provisional sum of Kshs. One Million (1,000,000.00) for HIV/AIDS awareness creation and senzitization during project implementation.	ITEM		1,000,000	1,000,000
L	Allow a provisional sum of Kshs. One Million (1,000,000.00) for documentation, model making, review and preparation of as built drawings Manager.	ITEM		1,000,000	1,000,000
M	Allow a provisional sum of Kshs. One Million (1,000,000.00) for county staff backup technical team, stakeholders management and any grievances redress mechanisms.	ITEM		1,000,000	1,000,000
N	Allow a sum of Kshs Seven Hundred and Fifty Thousand (Ksh 750,000/=)only for a package of laptop, digital camera and desktop complete with the software and warranty installation and user training.	ITEM		750,000	750,000
O	Allow for the Contractor's overheads and profits on all provisional items J-N	%			
	TOTAL PROJECT'S PROVISION TO GRAND SUMMARY				

THE PROPOSED GIKOMBA MARKET PHASE TWO PROJECT LOCATED IN NAIROBI CITY COUNTY.

BILLS OF QUANTITIES

MAIN BUILDING WORKS

BILL No.:2

Item	Description	Unit	Quantity	Rate	Amount
	<u>BASEMENT</u>				
	<u>ELEMENT NO. 1: SUBSTRUCTURES</u>				
	SITE CLEARANCE				
A	Clear the site of works of grass,shrubs,bush and small trees, grub up roots, and burn the arising	SM	4,500		
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	Excavations and Earthworks				
B	200mm thick Oversight excavation to remove to top vegetatable soil	SM	2,667		
C	Bulk excavation for black cotton soil not exceeding 1.50m deep	CM	4,000		
D	Ditto over 1.50 meters deep but not exceeding 3.00 meters deep	CM	4,000		
E	Ditto over 3.0 meters deep but not exceeding 4.50 meters deep	CM	1,600		
F	Excavate for foundation trenches for retaining wall around the building commencing from reduced level not exceeding 1.5m deep	CM	30		
G	Ditto but for lift shaft bases bases	CM	10		
H	Ditto but for column bases	CM	102		
I	Ditto but for basement sump	CM	4		
J	Extra over all kinds of excavations for excavating in rock irrespective of class / depth	CM	960		
	<u>Disposal</u>				
K	Load, wheel and cart away from site surplus excavated materila and deposit in approved dumping area	CM	11,239		
L	Allow for keeping excavations free from all water by pumping or otherwise	Item	1		
M	Allow for plunking and strutting sides of all excavation trenches	Item	1		
	Hardcore fill				
N	50mm thick murrum blinding to surfaces of hardcore	SM	2,626		
	50mm Thick plain concrete blinding class 15 to:				
O	Retaining wall base	SM	251		
P	Column bases	SM	736		
Q	Lift shaft base	SM	32		
	CARRIED TO COLLECTION				

Item	Description	Unit	Rate	Amount
	Vibrated Reinforced Concrete Class 25/20mm in:			
A	Retaining wall base	CM	125	
B	Column bases	CM	405	
C	Lift shaft base	CM	16	
D	Lift shaft starter	CM	3	
E	200mm surface bed	SM	2,626	
	Reinforcement			
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)			
F	Assorted reinforcement bars	KG	72,000	
	Sawn formwork to:-			
G	Sides of retaining wall base	SM	251	
H	Column bases	SM	526	
I	Lift shaft bases	SM	12	
J	Edges of basement floor slab; 150-225 mm girth	LM	277	
	<u>Water Proofing</u>			
	Master seal or equal and approved equivalent basement water proofing material laid strictly in accordance with manufacturer's printed instructions: This work to be executed by an approved specialist subcontractor: laid in cement and sand screed (m.s) : rate shall include surface treatment of concrete surfaces before application of waterproofing material: including providing a 10 year guarantee			
K	Floors; horizontal	SM	2,626	
L	Column bases; sides and bottom	SM	526	
M	Retaining wall base	SM	251	
	Damp-proofing			
N	One layer 1000 gauge polythene sheet damp proof membrane : under floor bed : area measured net with no allowance for laps	SM	2,626	
	<u>Mesh reinforcement</u>			
O	2 Layers of fabric mesh reinforcement to B.S. 4483 ref: A142 including laps tyingwire and spacer blocks complete(measured net-allow for laps)	SM	5,252	
	CARRIED TO COLLECTION			

Item	Description	Unit	Rate	Amount
	<u>Sump</u>			
	Form or leave channel in unset concrete including forming 50 mm wide x 50 mm deep rebate to both sides of channel at the top; with and including 50 mm x 50 mm x 4 mm thick mild steel angle framing cast in concrete with mild steel anchor bars and grouted to both rebated sides of channel; infilled with and including 15 mm x 15 mm x 3 mm mild steel RHS grating at 30 mm centres; all welding ground to a smooth finish; including priming metal surfaces with red oxide primer before delivery to site and three coats gloss oil automotive spray paint finish; including all necessary formwork to sides of channel; all to Architect's and Structural Engineer's approval			
A	300 mm wide x 250 mm deep (internal dimensions) including 25 mm thick lining cement and sand (1:4) with "Sika-1" or other equal and approved integral waterproofing additive applied to manufacturer's printed instructions to sides and bottom of channel; as directed	LM	92	
	<u>French drain</u>			
	Aggregate			
B	Over 300 mm thick; depositing loose approved washed aggregate to sides of retaining wall maximum, single size of aggregate to be 40 mm	CM	205	
	Perforated P.V.C pipe ; french drain pipe ; laid to fall 1 in 200 ; including setting in 20 loose aggregate surround ; encased in 75mm thick Geotextile membrane ; all to engineers approval			
C	150 mm diameter	LM	320	
	Approved natural quarry stone; squared; machine dressed; stone load bearing blocks (7 N/mm); including wall ties and reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)			
D	200mm thick walling	SM	680	
	Surface treatment			
E	Termidor or other equal and approved anti-termite insecticide treatment to blinded hardcore surfaces applied in accordance with the manufacturer's printed instructions	SM	2,626	
	Expansion Joint			
F	25mm thick expansion joint filler material set between masonry or concrete surfaces; width not exceeding 300mm.	LM	71	
	CARRIED TO COLLECTION			
	<u>COLLECTION</u>			
	Total brought forward from page 1			
	Total brought forward from page 2			
	Total brought forward from above			
	TOTAL TO SECTION SUMMARY			

Item	Description	Unit	Rate	Amount
	REINFORCED CONCRETE FRAME			
	In situ concrete class 25/20 , vibrated and reinforced as described, in:-			
A	Basement Columns	CM	82	
B	Basement Beams	CM	97	
C	175mm thick suspended slab	SM	2,343	
D	200mm thick in lift shaft walls	SM	65	
E	200mm thick vehicular ramp finished in tampered concrete	SM	168	
F	200mm thick retaining wall	SM	800	
	Expansion Joint			
G	25mm thick expansion joint filler material set between masonry or concrete surfaces; width exceeding 300mm.	LM	71	
	Reinforcement			
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)			
H	Assorted reinforcement bars	KG	100,250	-
	Sawn formwork to:-			
I	Sides of Columns	SM	510	
J	Soffits of the suspended slab	SM	2,323	
K	Sides of retaining wall	SM	1,500	
L	Sides and soffits of beams	SM	952	
M	Sides of lift shaft	SM	117	
N	Edges of ramp 150-225mm high	LM	105	
O	Edges of suspended slab	LM	264	
	Water Proofing			
	Master seal or equal and approved equivalent basement water proofing material laid strictly in accordance with manufacturer's printed instructions: This work to be executed by an approved specialist subcontractor: laid in cement and sand screed (m.s) : rate shall include surface treatment of concrete surfaces before application of waterproofing material: including providing a 10 year guarantee			
P	Retaining wall; vertical	SM	1,500	
Q	Floor	SM	2,323	-
	Water bar			
R	200mm wide UPVC water bar with centre bulb : set horizontally in concrete	LM	294	
	CARRIED TO COLLECTION			

Item	Description	Unit	Rate	Amount
	<u>STAIRCASES AND RAILINGS</u>			
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-			
A	Staircase treads, risers, waist	CM	44	
B	150mm thick suspended landing	SM	114	
C	Ditto sloping stairs	SM	124	
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)			
D	Assorted Reinforcement	KG	10,042	
	Sawn formwork to:-			
E	Sloping soffits of suspended staircase	SM	124	
F	Soffits of suspended landings	SM	114	
G	Edge of suspended landing 75 - 150mm high	LM	80	
H	Face of riser 150 - 225mm high	LM	220	
I	350mm (Average) raking sides of staircase : including cutting to profile of treads and risers	LM	202	
	Cement and Sand (1:4) beds;			
J	20mm thick to receive terrazzo floor finish to 300mm treads	LM	202	
K	20mm thick to receive terrazzo floor finish to 150mm risers	LM	220	
L	20mm thick to receive terrazzo floor finish to edge of stringer 300mm high	LM	240	
M	20mm thick to receive terrazzo floor finish to landing	SM	120	
	Insitu polished terrazzo laid on concrete			
N	20mm thick finish to 300mm treads	LM	160	
O	Extra over ditto for 40 mm wide x 20mm thick carborandum non slip insert	LM	220	
P	20mm thick finish to 150mm risers	LM	120	
Q	20mm thick finish to edge of stringer 300mm high	LM	260	
R	20mm thick terrazzo floor finish to landing	SM	150	
S	20x100mm High skirting with rounded top edge and coved angle at junction with paving	LM	260	
	12mm Two-coat internal lime plaster, finished smooth with steel trowelled finish, as described to:-			
T	Sloping soffits of suspended staircase	SM	164	
U	Soffits of suspended landing	SM	150	
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-			
V	Plastered Sloping soffits of suspended staircase	SM	164	
W	Plastered soffits of suspended landing	SM	150	
	CARRIED TO COLLECTION			

Item	Description	Unit		Rate	Amount
A	<p>BALUSTRADINGS</p> <p>Mild steel balustrade 900 mm high :smooth welded joints comprising 50mm dia CHS balusters at 300 mm centres set into mortice in concrete : 2 No 25 x 25 x 3 mm RHS top and mid rails : 50 x 3mm CHS hand rail welded to balusters : one shop coat primer to steel surface : as per Architect's details</p>	LM	144		
B	<p>Prepare touch up primer and apply undercoats and two finishing coat gloss paint : on metal</p> <p>General surfaces of metal</p>	SM	220		
	<p>CARRIED TO COLLECTION</p>				
	<p style="text-align: center;"><u>COLLECTION</u></p> <p>Total brought forward from page 6</p> <p>Total brought forward from above</p>				
	<p>TOTAL TO SECTION SUMMARY</p>				

Item	Description	Unit		Rate	Amount
A	<p><u>DOORS</u></p> <p><u>Steel casement door</u></p> <p>Supply and fix a steel double swing door overall size 1500 x 2700mm high with each leaf of 750 x 2700mm high with lockable assesories as directed by the PM</p>	NO	10		
	<p>TOTAL FOR DOORS CARRIED TO SECTION SUMMARY</p>				-

Item	Description	Unit		Rate	Amount
	<u>WINDOWS</u>				
	Supply and fix the following purpose-made steel casement window in heavy duty z and T-sections complete with lug, hinges, approved brass window stays and handles, 300mm high mild steel flat bar louvre permanent ventilation (pv) at top, and primed with red lead oxide after fabrication; complete to architects specifications				
A	Window size 5800 X 600mm	60	NO.		
	Steel grilles to window openings comprising of 20 x 20 x 1.6mm thick Square Hollow Sections (SHS) steel frame all round; divided vertically and horizontally with 20 x 20 x 1.6mm thick SHS steel transoms and mullion at 200mm centres welded diagonally to pattern and approval				
B	Grilles welded to metal windows	209	SM		
	Glazing				
	6mm thick clear sheet glass and glazing to steel with beads in panes 0.50 - 1.00 square meters.				
C		209	SM		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of :-				
D	Windows (b.s.m)	418	SM		
	TOTAL FOR DOORS CARRIED TO SECTION SUMMARY				

Item	Description	Unit	Rate	Amount
	<u>INTERNAL FINISHES</u>			
	FLOOR FINISHES			
A	Cement and Sand (1:4) beds 20mm thick to receive terrazzo flooring	SM	2,320	
	WALL FINISHES			
	19mm Two-coat internal lime plaster finished smooth with steel trowelled finish, as described to:-			
B	Stone walls and concrete surfaces	SM	1,831	
	Prepare and apply 1 coat of Universal Undercoat followed by 2 coats of Vinyl Silk Emulsion to:			
C	Plastered wall and concrete surfaces	SM	1,831	
	<u>CEILING FINISHES</u>			
	19mm thick two coat internal lime plaster			
D	On concrete soffits finished smooth with a steel trowel	SM	2,320	
	Prepare and apply one undercoat and two finishing coats of 1st quality paint - and approved paint to:-			
E	Plastered concrete soffits	SM	2,320	
	CARRIED TO COLLECTION			
	<u>BASEMENT</u>			
	<u>SECTION SUMMARY</u>			
1	SUBSTRUCTURES			
2	REINFORCED CONCRETE FRAME			
3	STAIRCASES AND BALUSTRADING			
4	DOORS			
5	WINDOWS			
6	FINISHES			
	TOTAL TO MAIN BUILDING SUMMARY			

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GROUND FLOOR

Item	Description	Quantity	Unit	Rate	Amount
	<u>SUPERSTRUCTURE</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	In situ concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Columns	68	CM		
B	Beams	99	CM		
C	175mm thick suspended slab	2,100	SM		
D	200mm thick in lift shaft walls	63	SM		
E	175mm Thick Ramp	110	SM		
	<u>Expansion Joint</u>				
F	25mm thick expansion joint filler material set between masonry or concrete surfaces; width not exceeding 300mm.	71	LM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
G	Assorted reinforcement bars	71,360	KG		
	Sawn formwork to:-				
H	Sides of Columns	564	SM		
I	Sides and soffits of beams	1,027	SM		
J	Soffits of suspended slabs	1,913	SM		
K	Sides of lift shaft	115	SM		
L	Soffits of ramps	110	SM		
M	Edges of ramp 150-225mm high	75	LM		
N	Edge of suspended slab 150 - 225mm high	264	LM		
	TOTAL TO SECTION SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>STAIRCASES AND RAILINGS</u>				
	In situ concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Staircase treads, risers, waist	44	CM		
B	150mm thick suspended landing	114	SM		
C	Ditto sloping stairs	124	SM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
D	Assorted Reinforcement	10,042	KG		
	<u>Sawn formwork to:-</u>				
E	Sloping soffits of suspended staircase	124	SM		
F	Soffits of suspended landing	114	SM		
G	Edge of suspended landing 75 - 150mm high	80	LM		
H	Face of riser 150 - 225mm high	220	LM		
I	350mm (Average) raking sides of staircase : including cutting to profile of treads and risers	202	LM		
	<u>Cement and Sand (1:4) beds;</u>				
J	20mm thick to receive terrazzo floor finish to 300mm treads	202	LM		
K	20mm thick to receive terrazzo floor finish to 150mm risers	220	LM		
L	20mm thick to receive terrazzo floor finish to edge of stringer 300mm high	240	LM		
M	20mm thick to receive terrazzo floor finish to landing	120	SM		
	<u>In situ polished terrazzo laid on concrete</u>				
N	20mm thick finish to 300mm treads	160	LM		
O	Extra over ditto for 40 mm wide x 20mm thick carborandum non slip insert	220	LM		
P	20mm thick finish to 150mm risers	120	LM		
Q	20mm thick finish to edge of stringer 300mm high	260	LM		
R	20mm thick terrazzo floor finish to landing	150	SM		
S	20x100mm High skirting with rounded top edge and coved angle at junction with paving	260	LM		
	12mm Two-coat internal lime plaster, finished smooth with steel trowelled finish, as described to:-				
T	Sloping soffits of suspended staircase	164	SM		
U	Soffits of suspended landing	150	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
V	Plastered Sloping soffits of suspended staircase	164	SM		
W	Plastered soffits of suspended landing	150	SM		
	CARRIED TO COLLECTION				

Item	Description	Quantity	Unit	Rate	Amount
	<u>WALLING</u>				
	EXTERNAL WALLING				
	Approved local natural quarry stone; squared; machine dressed; stone load bearing blocks (7 N/mm); including wall ties and reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
A	200mm Thick external walling	642	SM		
	INTERNAL WALLING				
	Machine cut natural stone walling reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
B	200mm thick internal walling	250	SM		
C	200mm thick parapet wall	-	SM		
D	150mm thick internal walling	68	SM		
	Mesh Wiring				
	16 gauge wiremesh diagonally welded on 25 x 40 x3mm hollow section frame reinforced with steel plates with two work top				
E		642	SM		
F	400 x 400mm thick masonry piers 1200mm high	-	No.		
	<u>Coping</u>				
G	300 x 75mm Precast concrete twice weathered and throated coping	-	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>DOORS</u>				
	<u>Roller shutter door</u>				
A	Supply and fix approved roller shutter door overall size 1500 x 2700mm high complete with ironmongery, boxed hood and all necessary accessories as per the design and approval of the Project Manager.	10	NO		
B	Ditto but 4000 x 3000mm high scissors type.	2	NO		
C	Ditto but 6000 x 3000mm high scissors type.	2	NO		
	<u>Steel casement door</u>				
D	Supply and fix a steel single swing door overall size 750 x 2700mm high with lockable accessories as directed by the PM	115	NO		
E	Supply and fix a steel single swing door overall size 900 x 2700mm high with lockable accessories as directed by the PM	3	NO		
F	Supply and fix a steel double swing door overall size 1500 x 2700mm high with each leaf of 750 x 2700mm high with lockable accessories as directed by the PM	13	NO		
	<u>TIMBER DOORS</u>				
	<u>45mm thick Solid Core Flush doors</u>				
G	800 X 1800mm high single leafed mahogany veneered panel door	14	NO.		
H	1000 X 1800mm high single leafed flush door	2	NO.		
	<u>The following in prime grade wrot cypress</u>				
I	150 x 50mm thick hardwood door frame	144	LM		
J	75 x 25mm hardwood architrave	144	LM		
K	25mm quadrant	144	LM		
	<u>Supply and fix the following ironmongery as per 'Union' Catalogue or other equal and approved complete with all matching screws and keys to timber</u>				
L	100mm brass butt hinges	27	Pairs		
M	3 Lever mortice lock with handles	-	NO.		
N	Coat Hook	16	NO.		
O	50mm Long Alluminum flush bolts	-	NO.		
P	Overhead Door Closer	2	NO.		
Q	Stainless steel Kicking Plate	16	NO.		
R	Stainless steel engraved door signage	4	NO.		
S	Aluminium indicator/ door closer	16	NO.		
	CARRIED TO COLLECTION				

Item	Description	Quantity	Unit	Rate	Amount
	<u>WINDOWS</u>				
	Precast Concrete Cill				
A	250 x 75mm precast concrete window cill bedded and jointed in cement/sand mortar	264	LM		
	Steel Windows				
	Supply and fix the following purpose-made steel casement window in heavy duty z and T-sections complete with lug, hinges, approved brass window stays and handles, 300mm high mild steel flat bar louvre permanent ventilation (pv) at top, and primed with red lead oxide after fabrication; complete to architects specifications				
B	Window size 5800 X 1500mm	60	NO.		
C	Ditto 1900 x 1500mm	-	NO		
D	Ditto 1200 x 1500mm	-	NO		
E	Ditto 1500 x 600mm	-	NO		
F	Ditto 600 x 600mm	-	NO		
	Steel grilles to window openings comprising of 20 x 20 x 1.6mm thick Square Hollow Sections (SHS) steel frame all round; divided vertically and horizontally with 20 x 20 x 1.6mm thick SHS steel transomes and mullion at 200mm centres welded diagonally to pattern and approval				
G	Grilles welded to metal windows	-	SM		
H	1500 x 1000mm grilles welded to metal and attached to the wall with a 1500 x 600mm high service worktop on it	-	SM		
	Glazing				
I	6mm thick clear sheet glass and glazing to steel with beads in panes 0.50 - 1.00 square meters.	522	SM		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of :-				
J	Windows (b.s.m)	1,044	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>EXTERNAL FINISHES</u>				
	WALL FINISHES				
	15mm Cement and sand external rendering finished with a wood float in:-				
A	Concrete or masonry surfaces	2,869	SM		
B	Masonry area to be keyed horizontal	642	SM		
C	To window and door reveals not exceeding 100mm girth	1,692	LM		
	Prepare and apply 1 coat Alkali Resistant Primer followed by 3 coats of Silicone Exterior Emulsion with water repellency, breathable & beading to:				
D	Rendered surfaces and sides of concrete or masonry walls	2,869	SM		
	External finish for the concrete work				
E	Cement and sand tartaruga finish	642	SM		
	<u>Ceramic tiles from an approved manufacturer</u>				
F	200 x 250 x 6mm thick coloured ceramic wall tiles fixed with an approved adhesive on prepared render (m.s)	154	SM		
G	Genesis' or other equal and approved plastic edge strip to wall tiles fixed with an approved adhesive	400	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	INTERNAL FINISHES				
	Floor finishes				
	<u>Cement and sand (1:3) in:</u>				
A	20mm thick paving finished to receive terrazzo floor finish (m.s)	1,750	SM		
	<u>Polished terrazzo</u>				
B	20mm Paving laid on prepared screed	1,750	SM		
C	100 x 20mm coved and rounded skirting	1,547	LM		
D	40 x 3mm Plastic dividing strip	950	LM		
	Cement and Sand (1:4) beds				
E	20mm thick to receive non slip ceramic floor tiles	133	SM		
	Supply and fix approved ceramic floor tiles fixed on screed (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile all to the Architect's satisfaction				
F	300 x 300 x 8mm thick non-slip floor tiling	133	SM		
	Prepare and apply 1 coat of Universal Undercoat followed by 2 coats of Vinyl Silk Emulsion to:				
	CEILING AND SOFFITS				
	19mm thick two coat internal lime plaster				
G	On concrete soffits finished smooth with a steel trowel	1,919	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
H	Plastered concrete soffits	1,919	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>GROUND FLOOR</u>				
	<u>SECTION SUMMARY</u>				
1	REINFORCED CONCRETE FRAME				
2	STAIRCASES AND BALUSTRADING				
3	WALLING				
4	DOORS				
5	WINDOWS				
6	EXTERNAL FINISHES				
7	INTERNAL FINISHES				
	TOTAL TO MAIN BUILDING SUMMARY				

**1st, 4th, 5th and 6th Floors
(Typical)**

Item	Description	Quantity	Unit	Rate	Amount
	<u>SUPERSTRUCTURE</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Columns	61	CM		
B	Beams	97	CM		
C	175mm thick suspended slab	2,100	SM		
D	200mm thick in lift shaft walls	63	SM		
E	175mm Thick Ramp	110	SM		
	<u>Expansion Joint</u>				
F	25mm thick expansion joint filler material set between masonry or concrete surfaces; width not exceeding 300mm.	64	LM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
G	Assorted reinforcement bars	70,226	KG		
	Sawn formwork to:-				
H	Sides of Columns	508	SM		
I	Sides and soffits of beams	997	SM		
J	Soffits of suspended slabs	1,919	SM		
K	Sides of lift shaft	115	SM		
L	Soffits of ramps	110	SM		
M	Edges of ramp 150-225mm high	75	LM		
N	Edge of suspended slab 150 - 225mm high	264	LM		
	TOTAL TO SECTION SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>STAIRCASES AND RAILINGS</u>				
	In situ concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Staircase treads, risers, waist	44	CM		
B	150mm thick suspended landing	114	SM		
C	Ditto sloping stairs	124	SM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
D	Assorted Reinforcement	10,042	KG		
	<u>Sawn formwork to:-</u>				
E	Sloping soffits of suspended staircase	124	SM		
E	Soffits of suspended landing	114	SM		
F	Edge of suspended landing 75 - 150mm high	80	LM		
G	Face of riser 150 - 225mm high	220	LM		
H	350mm (Average) raking sides of staircase : including cutting to profile of treads and risers	202	LM		
	<u>Cement and Sand (1:4) beds;</u>				
I	20mm thick to receive terrazzo floor finish to 300mm treads	202	LM		
J	20mm thick to receive terrazzo floor finish to 150mm risers	220	LM		
K	20mm thick to receive terrazzo floor finish to edge of stringer 300mm high	240	LM		
L	20mm thick to receive terrazzo floor finish to landing	120	SM		
	<u>In situ polished terrazzo laid on concrete</u>				
M	20mm thick finish to 300mm treads	160	LM		
N	Extra over ditto for 40 mm wide x 20mm thick carborandum non slip insert	220	LM		
O	20mm thick finish to 150mm risers	120	LM		
P	20mm thick finish to edge of stringer 300mm high	260	LM		
Q	20mm thick terrazzo floor finish to landing	150	SM		
R	20x100mm High skirting with rounded top edge and coved angle at junction with paving	260	LM		
	12mm Two-coat internal lime plaster, finished smooth with steel trowelled finish, as described to:-				
S	Sloping soffits of suspended staircase	164	SM		
T	Soffits of suspended landing	150	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
U	Plastered Sloping soffits of suspended staircase	164	SM		
V	Plastered soffits of suspended landing	150	SM		
	CARRIED TO COLLECTION				

Item	Description	Quantity	Unit	Rate	Amount
	<u>WALLING</u>				
	EXTERNAL WALLING				
	Approved local natural quarry stone; squared; machine dressed; stone load bearing blocks (7 N/mm); including wall ties and reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
A	200mm Thick external walling	712	SM		
	INTERNAL WALLING				
	Machine cut natural stone walling reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
B	200mm thick internal walling	250	SM		
C	200mm thick parapet wall	-	SM		
D	150mm thick internal walling	68	SM		
E	16 gauge wiremesh diagonally welded on 25 x 40 x3mm hollow section frame reinforced with steel plates with two work top	-	SM		
F	400 x 400mm thick masonry piers 1200mm high	-	No.		
	<u>Coping</u>				
G	300 x 75mm Precast concrete twice weathered and throated coping	-	LM		
	TOTAL TO SECTION SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>DOORS</u>				
	<u>Roller shutter door</u>				
A	Supply and fix approved roller shutter door overall size 1800 x 2700mm high complete with ironmongery, boxed hood and all necessary accessories as supplied by "Dominion Engineering Limited" or other equal and approved (D1)	9	NO		
	<u>Steel casement door</u>				
B	Supply and fix a steel double swing door overall size 1500 x 2700mm high with each leaf of 750 x 2700mm high with lockable assesories as directed by the PM	2	NO		
C	Supply and fix a steel single swing door overall size 1000 x 2700mm high with lockable assesories as directed by the PM	3	NO		
	<u>TIMBER DOORS</u>				
	<u>45mm thick Solid Core Flush doors</u>				
D	1000 X 1800mm high single leafed mahogany veneered panel door	2	NO.		
E	900 X 1800mm high single leafed flush door	14	NO.		
	<u>The following in prime grade wrot cypress</u>				
F	150 x 50mm thick hardwood door frame	72	LM		
G	75 x 25mm hardwood architrave	72	LM		
H	25mm quadrant	72	LM		
	<u>Supply and fix the following ironmongery as per 'Union' Catalogue or other equal and approved complete with all matching screws and keys to timber</u>				
I	100mm brass butt hinges	27	Pairs		
J	3 Lever mortice lock with handles	-	NO.		
K	Coat Hook	16	NO.		
L	50mm Long Alluminum flush bolts	-	NO.		
M	Overhead Door Closer	2	NO.		
N	Stainless steel Kicking Plate	16	NO.		
O	Stainless steel engraved door signage	4	NO.		
P	Aluminum indicator/door closer	14	NO.		
	<u>Painting</u>				
Q	Prepare and apply 2 coats of gloss oil paint to metal door surfaces	120	SM		
	<u>Prepare and apply one coat of aluminium wood primer to:-</u>				
R	Surfaces over 100 but not exceeding 200mm girth	72	LM		
S	Surfaces not exceeding 100mm girth	144	LM		
	<u>Prepare and apply Three coats of clear polyurethane varnish to:-</u>				
T	General timber surfaces	53	SM		
U	Surfaces over 100 but not exceeding 200mm girth	72	LM		
V	Ditto not exceeding 100mm girth	144	LM		
	<u>Glazing</u>				
W	5mm thick clear sheet glass to timber frame in panes exceeding 0.10 but not exceeding 0.50 square metres	10	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>WINDOWS</u>				
	Precast Concrete Cill				
A	250 x 75mm precast concrete window cill bedded and jointed in cement/sand mortar	264	LM		
	Steel Windows				
	Supply and fix the following purpose-made steel casement window in heavy duty z and T-sections complete with lug, hinges, approved brass window stays and handles, 300mm high mild steel flat bar louvre permanent ventilation (pv) at top, and primed with red lead oxide after fabrication; complete to architects specifications				
B	Window size 5800 X 1500mm	60	NO.		
C	Ditto 2000 x 1500mm	-	NO		
D	Ditto 1200 x 1500mm	-	NO		
E	Ditto 1500 x 600mm	-	NO		
F	Ditto 600 x 600mm	-	NO		
	Steel grilles to window openings comprising of 20 x 20 x 1.6mm thick Square Hollow Sections (SHS) steel frame all round; divided vertically and horizontally with 20 x 20 x 1.6mm thick SHS steel transoms and mullion at 200mm centres welded diagonally to pattern and approval				
G	Grilles welded to metal windows	-	SM		
H	1500 x 1000mm grilles welded to metal and attached to the wall with a 1500 x 600mm high service worktop on it	-	SM		
	Glazing				
I	6mm thick c.s. glass and glazing to steel with beads in panes 0.50 - 1.00 square meters.	522	SM		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of :-				
J	Windows (b.s.m)	1,044	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>EXTERNAL FINISHES</u>				
	WALL FINISHES				
	15mm Cement and sand external rendering finished with a wood float in:-				
A	Concrete or masonry surfaces	2,869	SM		
B	Masonry area to be keyed horizontal	712	SM		
C	To window and door reveals not exceeding 100mm girth	1,100	LM		
	Prepare and apply 1 coat Alkali Resistant Primer followed by 3 coats of Silicone Exterior Emulsion with water repellency, breathable & beading to:				
D	Rendered surfaces and sides of concrete or masonry walls	2,869	SM		
	External finish for the concrete work				
E	Cement and sand tartaruga finish	712	SM		
	<u>Ceramic tiles from an approved manufacturer</u>				
F	200 x 250 x 6mm thick coloured ceramic wall tiles fixed with an approved adhesive on prepared render (m.s)	154	SM		
G	Genesis' or other equal and approved plastic edge strip to wall tiles fixed with an approved adhesive	400	LM		
	TOTAL TO SECTION SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>INTERNAL FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Cement and sand (1:3) in:</u>				
A	20mm thick paving finished to receive terrazzo floor finish (m.s)	1,883	SM		
	<u>Polished terrazzo</u>				
B	20mm Paving laid on prepared screed	1,883	SM		
C	100 x 20mm coved and rounded skirting	495	LM		
D	40 x 3mm Plastic dividing strip	950	LM		
	Cement and Sand (1:4) beds				
E	20mm thick to receive non slip ceramic floor tiles	120	SM		
	Supply and fix approved ceramic floor tiles fixed on screed (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile all to the Architect's satisfaction				
F	300 x 300 x 8mm thick non-slip floor tiling	120	SM		
	Prepare and apply 1 coat of Universal Undercoat followed by 2 coats of Vinyl Silk Emulsion to:				
	CEILING AND SOFFITS				
	19mm thick two coat internal lime plaster				
G	On concrete soffits finished smooth with a steel trowel	1,919	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
H	Plastered concrete soffits	1,919	SM		
	TOTAL TO SECTION SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>1ST, 4TH, 5TH AND 6TH FLOORS</u>				
	<u>SECTION SUMMARY</u>				
1	REINFORCED CONCRETE FRAME				
2	STAIRCASES AND BALUSTRADING				
3	WALLING				
4	DOORS				
5	WINDOWS				
6	EXTERNAL FINISHES				
7	INTERNAL FINISHES				
	TOTAL FOR 1NO FLOOR				
	MULTIPLY BY 4 FLOORS				X4
	TOTAL TO MAIN BUILDING SUMMARY				

	<p>2nd and 3rd Floors (Typical)</p>				
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Item	Description	Quantity	Unit	Rate	Amount
	<u>SUPERSTRUCTURE</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Columns	61	CM		
B	Beams	97	CM		
E	175mm thick suspended slab	2,109	SM		
F	200mm thick in lift shaft walls	63	SM		
G	175mm thick Ramp	110	SM		
	<u>Expansion Joint</u>				
H	25mm thick expansion joint filler material set between masonry or concrete surfaces; width not exceeding 300mm.	71	LM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
I	Assorted reinforcement bars	71,855	KG		
	Sawn formwork to:-				
J	Sides of Columns	508	SM		
K	Sides and soffits of beams	997	SM		
L	Soffits of suspended slabs	1,919	SM		
M	Sides of lift shaft	115	SM		
L	Soffits of ramps	110	SM		
M	Edges of ramp 150-225mm high	84	LM		
N	Edge of suspended slab 150 - 225mm high	264	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	<u>STAIRCASES AND RAILINGS</u>				
	In situ concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Staircase treads, risers, waist	44	CM		
B	150mm thick suspended landing	114	SM		
C	Ditto sloping stairs	144	SM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
D	Assorted Reinforcement	10,042	KG		
	<u>Sawn formwork to:-</u>				
E	Sloping soffits of suspended staircase	124	SM		
F	Soffits of suspended landing	114	SM		
G	Edge of suspended landing 75 - 150mm high	80	LM		
H	Face of riser 150 - 225mm high	220	LM		
I	350mm (Average) raking sides of staircase : including cutting to profile of treads and risers	202	LM		
	<u>Cement and Sand (1:4) beds;</u>				
J	20mm thick to receive terrazzo floor finish to 300mm treads	202	LM		
K	20mm thick to receive terrazzo floor finish to 150mm risers	220	LM		
L	20mm thick to receive terrazzo floor finish to edge of stringer 300mm high	240	LM		
M	20mm thick to receive terrazzo floor finish to landing	120	SM		
	<u>In situ polished terrazzo laid on concrete</u>				
N	20mm thick finish to 300mm treads	160	LM		
O	Extra over ditto for 40 mm wide x 20mm thick carborandum non slip insert	220	LM		
P	20mm thick finish to 150mm risers	120	LM		
Q	20mm thick finish to edge of stringer 300mm high	260	LM		
R	20mm thick terrazzo floor finish to landing	150	SM		
S	20x100mm High skirting with rounded top edge and coved angle at junction with paving	260	LM		
	12mm Two-coat internal lime plaster, finished smooth with steel trowelled finish, as described to:-				
T	Sloping soffits of suspended staircase	164	SM		
U	Soffits of suspended landing	150	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
V	Plastered Sloping soffits of suspended staircase	164	SM		
W	Plastered soffits of suspended landing	150	SM		
	CARRIED TO COLLECTION				

Item	Description		Unit	Rate	Amount
	BALUSTRADINGS				
A	Mild steel balustrade 900 mm high :smooth welded joints comprising 50mm dia CHS balusters at 300 mm centres set into mortice in concrete : 2 No 25 x 25 x 3 mm RHS top and mid rails : 50 x 3mm CHS hand rail welded to balusters : one shop coat primer to steel surface : as per Architect's details	114	LM		
B	Ditto: Ramps	140	LM		
	Prepare touch up primer and apply undercoats and two finishing coat gloss paint : on metal				
C	General surfaces of metal	220	SM		
	CARRIED TO COLLECTION				
	COLLECTION				
	Total brought forward from page 34				
	Total brought forward from above				
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	WALLING				
	EXTERNAL WALLING				
	Approved local natural quarry stone; squared; machine dressed; stone load bearing blocks (7 N/mm); including wall ties and reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
A	200mm Thick external walling	600	SM		
	INTERNAL WALLING				
	Machine cut natural stone walling reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
B	200mm thick internal walling	1,903	SM		
C	200mm thick parapet wall	-	SM		
D	150mm thick internal walling	68	SM		
E	16 gauge wiremesh diagonally welded on 25 x 40 x3mm hollow section frame reinforced with steel plates with two work top	-	SM		
F	400 x 400mm thick masonry piers 1200mm high	-	No.		
	<u>Coping</u>				
G	300 x 75mm Precast concrete twice weathered and throated coping	-	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	<u>DOORS</u>				
	<u>Roller shutter door</u>				
A	Supply and fix approved roller shutter door overall size 1800 x 2700mm high complete with ironmongery, boxed hood and all necessary accessories as supplied by "Dominion Engineering Limited" or other equal and approved (D17)	217	NO		
	<u>Steel casement door</u>				
B	Supply and fix a steel double swing door overall size 1500 x 2700mm high with each leaf of 750 x 2700mm high with lockable assesories as directed by the PM	2	NO		
C	Supply and fix a steel single swing door overall size 1000 x 2100mm high with lockable assesories as directed by the PM	3	NO		
	<u>TIMBER DOORS</u>				
	<u>45mm thick Solid Core Flush doors</u>				
D	1000 X 1800mm high single leafed mahogany veneered panel door	2	NO.		
E	900 X 1800mm high single leafed flush door	14	NO.		
	<u>The following in prime grade wrot cypress</u>				
F	150 x 50mm thick hardwood door frame	72	LM		
G	75 x 25mm hardwood architrave	72	LM		
H	25mm quadrant	72	LM		
	<u>Supply and fix the following ironmongery as per 'Union' Catalogue or other equal and approved complete with all matching screws and keys to timber</u>				
I	100mm brass butt hinges	27	Pairs		
J	3 Lever mortice lock with handles	-	NO.		
K	Coat Hook	16	NO.		
L	50mm Long Alluminum flush bolts	-	NO.		
M	Overhead Door Closer	2	NO.		
N	Stainless steel Kicking Plate	16	NO.		
O	Stainless steel engraved door signage	4	NO.		
P	Aluminium indicator/ Door closer	14	NO.		
	<u>Painting</u>				
Q	Prepare and apply 2 coats of gloss oil paint to general surfaces of metal doors	2,142	SM		
	<u>Prepare and apply one coat of aluminium wood primer to:-</u>				
R	Surfaces over 100 but not exceeding 200mm girth	72	LM		
S	Surfaces not exceeding 100mm girth	144	LM		
	<u>Prepare and apply Three coats of clear polyurethane varnish to:-</u>				
T	General timber surfaces	53	SM		
U	Surfaces over 100 but not exceeding 200mm girth	72	LM		
V	Ditto not exceeding 100mm girth	144	LM		
	<u>Glazing</u>				
W	5mm thick clear sheet glass to timber frame in panes exceeding 0.10 but not exceeding 0.50 square metres	10	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	WINDOWS				
	Precast Concrete Cill				
A	250 x 75mm precast concrete window cill bedded and jointed in cement/sand mortar	264	LM		
	Steel Windows				
	Supply and fix the following purpose-made steel casement window in heavy duty z and T-sections complete with lug, hinges, approved brass window stays and handles, 300mm high mild steel flat bar louvre permanent ventilation (pv) at top, and primed with red lead oxide after fabrication; complete to architects specifications				
B	Window size 5800 X 1500mm	60	NO.		
C	Ditto 2000 x 1500mm	-	NO		
D	Ditto 1200 x 1500mm	-	NO		
E	Ditto 1500 x 600mm	-	NO		
F	Ditto 600 x 600mm	-	NO		
	<u>Steel grilles to window openings comprising of 20 x 20 x 1.6mm thick Square Hollow Sections (SHS) steel frame all round; divided vertically and horizontally with 20 x 20 x 1.6mm thick SHS steel transomes and mullion at 200mm centres welded diagonally to pattern and approval</u>				
G	Grilles welded to metal windows	-	SM		
H	1500 x 1000mm grilles welded to metal and attached to the wall with a 1500 x 600mm high service worktop on it	-	SM		
	Glazing				
I	6mm thick c.s. glass and glazing to steel with beads in panes 0.50 - 1.00 square meters.	522	SM		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of :-				
J	Windows (b.s.m)	1,044	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	<u>EXTERNAL FINISHES</u>				
	WALL FINISHES				
	15mm Cement and sand external rendering finished with a wood float in:-				
A	Concrete or masonry surfaces	1,505	SM		
B	Masonry area to be keyed horizontal	4,406	SM		
C	To window and door reveals not exceeding 100mm girth	1,984	LM		
	Prepare and apply 1 coat Alkali Resistant Primer followed by 3 coats of Silicone Exterior Emulsion with water repellency, breathable & beading to:				
D	Rendered surfaces and sides of concrete or masonry walls	1,505	SM		
	External finish for the concrete work				
E	Cement and sand tartaruga finish	4,252	SM		
	<u>Ceramic tiles from an approved manufacturer</u>				
F	200 x 250 x 6mm thick coloured ceramic wall tiles fixed with an approved adhesive on prepared render (m.s)	154	SM		
G	Genesis' or other equal and approved plastic edge strip to wall tiles fixed with an approved adhesive	400	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	<u>INTERNAL FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Cement and sand (1:3) in:</u>				
A	20mm thick paving finished to receive terrazzo floor finish (m.s)	2,109	SM		
	<u>Polished terrazzo</u>				
B	20mm Paving laid on prepared screed	2,109	SM		
C	100 x 20mm coved and rounded skirting	495	LM		
D	40 x 3mm Plastic dividing strip	950	LM		
	Cement and Sand (1:4) beds				
E	20mm thick to receive non slip ceramic floor tiles	120	SM		
	Supply and fix approved ceramic floor tiles fixed on screed (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile all to the Architect's satisfaction				
F	300 x 300 x 8mm thick non-slip floor tiling	120	SM		
	Prepare and apply 1 coat of Universal Undercoat followed by 2 coats of Vinyl Silk Emulsion to:				
	CEILING AND SOFFITS				
	19mm thick two coat internal lime plaster				
G	On concrete soffits finished smooth with a steel trowel	2,109	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
H	Plastered concrete soffits	2,109	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description		Unit	Rate	Amount
	<u>2nd and 3rd Floor</u> <u>SECTION SUMMARY</u>				
1	REINFORCED CONCRETE FRAME				
2	STAIRCASES AND BALUSTRADING				
3	WALLING				
4	DOORS				
5	WINDOWS				
6	EXTERNAL FINISHES				
7	INTERNAL FINISHES				
	TOTAL FOR 1NO FLOOR				
	MULTIPLY BY 2 FLOORS				X2
	TOTAL TO BUILDINGS SUMMARY				

7TH FLOOR

Item	Description	Quantity	Unit	Rate	Amount
	<u>SUPERSTRUCTURE</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Columns	61	CM		
B	Beams	107	CM		
C	175mm thick suspended slab	-	SM		
D	200mm thick in lift shaft walls	63	SM		
E	175mm Thick Ramp	110	SM		
	<u>Expansion Joint</u>				
F	25mm thick expansion joint filler material set between masonry or concrete surfaces; width not exceeding 300mm.	71	LM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
G	Assorted reinforcement bars	25,200	KG		
	Sawn formwork to:-				
H	Sides of Columns	508	SM		
I	Sides and soffits of beams	1,091	SM		
J	Soffits of suspended slabs	-	SM		
K	Sides of lift shaft	115	SM		
L	Soffits of ramps	110	SM		
M	Edges of ramp 150-225mm high	75	LM		
N	Edge of suspended slab 150 - 225mm high	-	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>STAIRCASES AND RAILINGS</u>				
	In situ concrete class 25/20 , vibrated and reinforced as described, in:-				
A	Staircase treads, risers, waist	44	CM		
B	150mm thick suspended landing	114	SM		
C	Ditto sloping stairs	124	SM		
	Deformed high yield steel ribbed bars reinforcement to BS 4449:2005 including cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools (all provisional)				
D	Assorted Reinforcement	10,042	KG		
	<u>Sawn formwork to:-</u>				
E	Sloping soffits of suspended staircase	124	SM		
E	Soffits of suspended landing	114	SM		
F	Edge of suspended landing 75 - 150mm high	80	LM		
G	Face of riser 150 - 225mm high	220	LM		
H	350mm (Average) raking sides of staircase : including cutting to profile of treads and risers	202	LM		
	<u>Cement and Sand (1:4) beds:</u>				
J	20mm thick to receive terrazzo floor finish to 300mm treads	202	LM		
K	20mm thick to receive terrazzo floor finish to 150mm risers	220	LM		
L	20mm thick to receive terrazzo floor finish to edge of stringer 300mm high	240	LM		
M	20mm thick to receive terrazzo floor finish to landing	120	SM		
	<u>In situ polished terrazzo laid on concrete</u>				
N	20mm thick finish to 300mm treads	160	LM		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
A	Extra over ditto for 40 mm wide x 20mm thick carborandum non slip insert	220	LM		
B	20mm thick finish to 150mm risers	120	LM		
C	20mm thick finish to edge of stringer 300mm high	260	LM		
D	20mm thick terrazzo floor finish to landing	150	SM		
E	20x100mm High skirting with rounded top edge and coved angle at junction with paving	260	LM		
	12mm Two-coat internal lime plaster, finished smooth with steel trowelled finish, as described to:-				
F	Sloping soffits of suspended staircase	164	SM		
G	Soffits of suspended landing	150	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
H	Plastered Sloping soffits of suspended staircase	164	SM		
I	Plastered soffits of suspended landing	150	SM		
	BALUSTRADINGS				
	Mild steel balustrade 900 mm high :smooth welded joints comprising 50mm dia CHS balusters at 300 mm centres set into mortice in concrete : 2 No 25 x 25 x 3 mm RHS top and mid rails : 50 x 3mm CHS hand rail welded to balusters : one shop coat primer to steel surface : as per Architect's details	144	LM		
K	Ditto: Ramps	140	LM		
	Prepare touch up primer and apply undercoats and two finishing coat gloss paint : on metal				
L	General surfaces of metal	220	SM		
	Carried to collection				
	<u>COLLECTION</u>				
	Total brought forward from page 44				
	Total brought forward from above				
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>WALLING</u>				
	EXTERNAL WALLING				
	Approved local natural quarry stone; squared; machine dressed; stone load bearing blocks (7 N/mm); including wall ties and reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
A	200mm Thick external walling	643	SM		
	INTERNAL WALLING				
	Machine cut natural stone walling reinforced with hoop iron gauge 20 in every alternate course; bedding, jointing and pointing in cement sand mortar (1:4)				
B	200mm thick internal walling	528	SM		
C	200mm thick parapet wall	-	SM		
D	150mm thick internal walling	68	SM		
E	16 gauge wiremesh diagonally welded on 25 x 40 x3mm hollow section frame reinforced with steel plates with two work top	-	SM		
F	400 x 400mm thick masonry piers 1200mm high	-	No.		
	<u>Coping</u>				
G	300 x 75mm Precast concrete twice weathered and throated coping	-	LM		
	<u>Louvre Blocks</u>				
H	200mm thick clay or any other approved material louvre blocks	44	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>DOORS</u>				
	<u>Roller shutter door</u>				
A	Supply and fix approved roller shutter door overall size 1800 x 2400mm high complete with ironmongery, boxed hood and all necessary accessories as supplied by "Dominion Engineering Limited" or other equal and approved (D1)	-	NO		
B	Ditto 1200 x 2400mm high (D20)	-	NO		
	<u>Steel casement door</u>				
C	Supply and fix a steel double swing door overall size 1500 x 2700mm high with each leaf of 750 x 2700mm high with lockable assesories as directed by the PM	10	NO		
D	Supply and fix a steel single swing door overall size 900 x 2700mm high with lockable assesories as directed by the PM	23	NO		
	<u>TIMBER DOORS</u>				
	<u>45mm thick Solid Core Flush doors</u>				
E	1000 X 1800mm high single leafed mahogany veneered panel door	2	NO.		
F	800 X 1800mm high single leafed flush door	14	NO.		
	<u>The following in prime grade wrot cypress</u>				
G	150 x 50mm thick hardwood door frame	72	LM		
H	75 x 25mm hardwood architrave	72	LM		
I	25mm quadrant	72	LM		
	<u>Supply and fix the following ironmongery as per 'Union' Catalogue or other equal and approved complete with all matching screws and keys to timber</u>				
J	100mm brass butt hinges	27	Pairs		
K	3 Lever mortice lock with handles	-	NO.		
L	Coat Hook	16	NO.		
M	50mm Long Alluminum flush bolts	-	NO.		
N	Overhead Door Closer	2	NO.		
O	Stainless steel Kicking Plate	16	NO.		
P	Stainless steel engraved door signage	6	NO.		
Q	Aluminium indicator/ door closer	14	NO.		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
	Painting;				
A	Prepare and apply 2 coats of gloss oil paint to general metal door surfaces	193	SM		
	Prepare and apply one coat of aluminium wood primer to:-				
B	Surfaces over 100 but not exceeding 200mm girth	72	LM		
C	Surfaces not exceeding 100mm girth	144	LM		
	Prepare and apply Three coats of clear polyurethane varnish to:-				
D	General timber surfaces	53	SM		
E	Surfaces over 100 but not exceeding 200mm girth	72	LM		
F	Ditto not exceeding 100mm girth	144	LM		
	Glazing				
G	5mm thick clear sheet glass to timber frame in panes exceeding 0.10 but not exceeding 0.50 square metres	10	SM		
	Carried to collection				
	COLLECTION				
	Total brought forward from page 47				
	Total brought forward from above				
	TOTAL TO SECTION SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	WINDOWS				
	Precast Concrete Cill				
A	250 x 75mm precast concrete window cill bedded and jointed in cement/sand mortar	264	LM		
	Steel Windows				
	Supply and fix the following purpose-made steel casement window in heavy duty z and T-sections complete with lug, hinges, approved brass window stays and handles, 300mm high mild steel flat bar louvre permanent ventilation (pv) at top, and primed with red lead oxide after fabrication; complete to architects specifications				
B	Window size 5800 X 1500mm	60	NO.		
C	Ditto 2000 x 1500mm	-	NO		
D	Ditto 1200 x 1500mm	-	NO		
E	Ditto 1500 x 600mm	-	NO		
F	Ditto 600 x 600mm	-	NO		
	<u>Steel grilles to window openings comprising of 20 x 20 x 1.6mm thick Square Hollow Sections (SHS) steel frame all round; divided vertically and horizontally with 20 x 20 x 1.6mm thick SHS steel transomes and mullion at 200mm centres welded diagonally to pattern and approval</u>				
G	Grilles welded to metal windows	-	SM		
H	1500 x 1000mm grilles welded to metal and attached to the wall with a 1500 x 600mm high service worktop on it	-	SM		
	Glazing				
I	6mm thick obscure glass and glazing to steel with beads in panes 0.50 - 1.00 square meters.	522	SM		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of :-				
J	Windows (b.s.m)	1,044	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>EXTERNAL FINISHES</u>				
	WALL FINISHES				
	15mm Cement and sand external rendering finished with a wood float in:-				
A	Concrete or masonry surfaces	1,505	SM		
B	Masonry area to be keyed horizontal	1,544	SM		
C	To window and door reveals not exceeding 100mm girth	1,041	LM		
	Prepare and apply 1 coat Alkali Resistant Primer followed by 3 coats of Silicone Exterior Emulsion with water repellency, breathable & beading to:				
D	Rendered surfaces and sides of concrete or masonry walls	1,505	SM		
	External finish for the concrete work				
E	Cement and sand tartaruga finish	1,544	SM		
	<u>Ceramic tiles from an approved manufacturer</u>				
F	200 x 250 x 6mm thick coloured ceramic wall tiles fixed with an approved adhesive on prepared render (m.s)	154	SM		
G	Genesis' or other equal and approved plastic edge strip to wall tiles fixed with an approved adhesive	400	LM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>INTERNAL FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Cement and sand (1:3) in:</u>				
A	20mm thick paving finished to receive terrazzo floor finish (m.s)	2,109	SM		
	<u>Polished terrazzo</u>				
B	20mm Paving laid on prepared screed	2,109	SM		
C	100 x 20mm coved and rounded skirting	495	LM		
D	40 x 3mm Plastic dividing strip	950	LM		
	<u>Cement and Sand (1:4) beds</u>				
E	20mm thick to receive non slip ceramic floor tiles	99	SM		
	Supply and fix approved ceramic floor tiles fixed on screed (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile all to the Architect's satisfaction				
F	300 x 300 x 8mm thick non-slip floor tiling	99	SM		
	Prepare and apply 1 coat of Universal Undercoat followed by 2 coats of Vinyl Silk Emulsion to:				
	CEILING AND SOFFITS				
	19mm thick two coat internal lime plaster				
G	On concrete soffits finished smooth with a steel trowel	-	SM		
	Prepare and apply one under coats and two finishing coats of approved 1st quality paint to:-				
H	Plastered concrete soffits	-	SM		
	TOTAL TO SECTION SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	<u>GROUND FLOOR</u> <u>SECTION SUMMARY</u>				
1	REINFORCED CONCRETE FRAME				
2	STAIRCASES AND BALUSTRADING				
3	WALLING				
4	DOORS				
5	WINDOWS				
6	EXTERNAL FINISHES				
7	INTERNAL FINISHES				
	TOTAL TO BUILDINGS SUMMARY				

ROOF

ROOF SPACE STRUCTURES (all provisional)

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>ROOF STRUCTURE</u>				
	<u>Steel trusses in mild steel to B.S 4360 one coat red oxide primer before fixing trusses hoisted 15m above ground level (all provisional)</u>				
	<u>Roof trusses and covering</u>				
A	100Dia x 4mm thick CHS rafters	LM	1,744		
B	100 Dia x 4mm thick CHS Main tie	LM	1,744		
C	50 Dia x 3mm thick CHS struts or ties	LM	3,139		
E	50 x 50 x 3mm thick angle bracing	LM	977		
F	150 x 50 x 2mm Thick Z - purlins welded to rafters	LM	2,387		
G	16mm diameter sag rods	LM	1,100		
	<u>28 G auge galvanized iron pre- painted IT4 roof sheets including j-bolts nuts and washers all fixed according to manufacturers instructions</u>				
H	Roof covering fixed to steel purlins	SM	2,200		
I	Ridge cap	LM	303		
	<u>Polycarbonate sheets roof covering fixed on steel purlins(m.s) all according to manufacturers instructions</u>				
I	Roof covering fixed to purlins	SM	589		
	<u>Rainwater goods</u>				
	<u>14 Gauge galvanized mild steel</u>				
J	450 x 250mm Box profile gutterfixed to steel truss with galvanized holder butts at 1200mm centres	LM	264		
K	Extra over gutter for 100mm diameter outlet	NO	32		
L	100mm Diameter downpipe fixed to steel column/ walls with holder butts	LM	364		
M	Extra over ditto for swanneck	NO	32		
N	Ditto for shoe	NO	32		
	<u>Eaves finihses</u>				
	<u>16 Gauge mild steel sheet</u>				
O	250mm wide fascia sheet	LM	264		
	<u>Painting</u>				
	<u>Prepare prime and paint two undercoats one finishing coat gloss paint on :-</u>				
P	General metal surfaces	SM	4,975		
Q	Surfaces 200- 300mm girth	LM	4,850		
R	Surfaces 100- 200mm girth	LM	5,200		
	Carried to Collection				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>Flat roof and concrete gutter finishes</u>				
	<u>Cement and sand (1:4) screed</u>				
A	50mm Average screed laid on concrete slab with falls and crossfalls	SM	328		
B	Ditto to base of gutters	SM	88		
C	15mm thick render to sides and soffits of concrete gutters	SM	399		
	<u>APP Bituminous membrane laid on screed as per manufacturers instructions</u>				
D	Three ply roof covering laid on sceed with an approved fixing material	SM	328		
E	Ditto on gutter base	SM	160		
F	Ditto on gutter sides internally	LM	240		
G	Ditto 200mm high skirting	LM	103		
H	Prepare and apply aluminium paint on surfaces of bituminous felt	SM	728		
I	Ditto on 200mm high skirting	LM	103		
	<u>Precast concrete</u>				
J	200 x 200 x 10mm Thick interlocking concrete tiles laid on APP roofing felt bedded, pointed and jointed with cement and sand mortar	SM	328		
	<u>Rainwater goods</u>				
K	Vertical Fulbora rainwater outlet fixed in concrete roof slab	NO	24		
	Carried to Collection				
	<u>COLLECTION page</u>				
	From page 54				
	From above				
	TOTAL FOR ROOF CARRIED TO BUILDINGS SUMMARY				

MAIN BUILDING WORKS SUMMARY

MARKET BLOCK SUMMARY PAGE

ITEM	DESCRIPTION				AMOUNT (SHS)
A	BASEMENT				
B	GROUND FLOOR				
C	FIRST, FOURTH, FIFTH AND SIXTH FLOORS				
D	SECOND AND THIRD FLOORS				
E	SEVENTH FLOOR				
F	ROOF				
	TOTAL FOR MAIN BLOCK CARRIED TO GRAND SUMMARY PAGE				

PROPOSED GIKOMBA MARKET PHASE 2

ELECTRICAL INSTALLATIONS

BILLS OF QUANTITIES (ALL RATES ARE INCLUSIVE OF VAT)

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
1	<u>INTERIOR ELECTRICAL SERVICES</u>				
	TRANSFORMER				
A	Supply 1No. 3-phase 380KVA Transformer in the existing room.	NO	1		
	SWITCH BOARD / SUB MAINS CABLES				
B	Supply and install purpose made Free-standing, fully wired front access metal clad main switchboard cubicle suitable for floor / wall mounting and manufactured in 14SWG galvanised mild steel sheet, to be finished in cream (or appropriate colour) powder coating. Wiring as shown on the schematic (the other details as per Particular Specification), complete with the following:- i) 400Amps TP/N copper busbars - KPLC supply (Sealable) ii) 400Amps MCCB as mains incomer adjustable (set at 350A) iii) 543No. 50A DP MCBs for the sub-main cables (see drawing for MCCB type description) iv) Space for 2No. 3-phase KPLC Common Services meter (kW, kWh, kVA, V, I etc), 100A TP MCB v) 500No. 100A DP MCBs for the sub-main cables vi) Space for 500No. KPLC HRC Fuses & 1Phase Meters, vii) space for KPLC cut-outs including studs for mounting KPLC seals viii) Sealable studs for all cover plate screws and all necessary accessories ix) 6mm perspex viewing window for each section x) Heavy duty rubber lining for all the perspex viewing windows xi) Allow for labelling the switch board under this section including all the incoming and outgoing circuits as per the specifications	NO	2		
	METER BOARD / SUB MAINS CABLES				
C	Supply and install purpose made Free-standing, fully wired front access metal clad main meterboard cubicle suitable for floor / wall mounting and manufactured in 14SWG galvanised mild steel sheet, to be finished in cream (or appropriate colour) powder coating. Wiring as shown on the schematic (the other details as per Particular Specification), complete with the following:- i) 400Amps TP/N copper busbars - KPLC supply (Sealable) ii) 400Amps MCCB as mains incomer adjustable (set at 350A) iii) Space for 2No. 3-phase KPLC Common Services meter (kW, kWh, kVA, V, I etc), 100A TP MCB iv) 18No. 80A TPN MCCBs, 1No. 110A TPN MCCB, 1No. 50A DP MCCB for the sub-main cables (see drawing for MCCB type description) v) Space for 2No. KPLC HRC Fuses vi) space for KPLC cut-outs including studs for mounting KPLC seals vii) Sealable studs for all cover plate screws and all necessary accessories	LS	2		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
viii)	6mm perspex viewing window for each section				
ix)	Heavy duty rubber lining for all the perspex viewing windows				
x)	Allow for labelling the meter board under this section including all the incoming and outgoing circuits as per the specifications				
D	Supply and install 30x10mm compensation of potential main earth copper bar with porcelain insulators and provisions for connections to water pipes, cooking gas system, lightning protection system, main power switching panel and other utilities	NO	1		
E	Supply and install earthing for the switch-boards and meter board under this section comprising 25x3mm copper tape lead, 1800mm long x 15mm diameter copper earth electrode as Furse or approved equivalent complete with driving stud and tape to rod clamp, 300mm x 300mm x 300mm deep concrete inspection earth pit with removable waterproof cover, 600mm x 600mm copper earth mat, soil conditioning agents (marconite and bentonite etc) necessary to achieve earthing value below 5-Ohms and all other necessary accessories	NO	1		
F	Supply, install and connect 4x25 sq.mm PVC/SWA/PVC copper cables complete with all necessary accessories between Meter Board to Distribution Boards DB for the common services.	LM	350		
G	Supply, install and connect 4x50 sq.mm PVC/SWA/PVC copper cables complete with all necessary accessories between Meter Board to Distribution Boards DB for the Elevators.	LM	50		
H	Supply, install, and connect 120A, 9 way TP/N Distribution Board - for Common services - lifts, within Riser Duct Next to meterbaord - complete with all MCBs as Merlin Gerin or approved equivalent, as shown on schematic wiring drawing	NO	1		
I	Supply, install, and connect 15 way 3Phase TP&N distribution board with 75A TP/N isolator and locable door complete with all the necessary accessories- for Common services, within Riser Duct at each floor - complete with all MCBs as Merlin Gerin or approved equivalent, as shown on schematic wiring drawing.	NO	18		
J	Supply, install, and connect 63Amp, 4 way SP/N consumer units complete with all MCBs as Merlin Gerin or approved equivalent, as shown on schematic wiring drawing	No	543		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
A	Supply and install 50mm diameter concealed HG PVC conduit links complete with draw wire and all the necessary accessories	LM	130		
B	Supply, install and connect 5x10 sq.mm PVC single-core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories complete with all necessary accessories between switch boards/distribution boards to consumer units "CU" for every unit.	LM	2910		
C	Supply, install and connect 4x16 sq.mm PVC/SWA/PVC copper cables complete with all necessary accessories between Distribution Board to isolators for the common services - lifts and pumps.	LM	280		
D	Allow for testing and commissioning of the entire electrical installations under this section	LS	1		
	CARRIED TO COLLECTION				
	COLLECTION TOTAL FROM ELEC/ 1 TOTAL FROM ELEC/ 2 TOTAL ABOVE				
	TOTAL FOR THE SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
2	INTERNAL ELECTRICAL SERVICES - BASEMENT FLOOR				
A	Supply, Install and connect the following lighting fittings complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description)				
	a) Type A (Units/Bays)	NO	237		
B	Supply, install and connect lighting points for one way / photocell / timer switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	73		
C	Supply, install and connect lighting points for two way / two way with intermediate switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	164		
D	Supply, install and connect the following moulded plastic lighting switches on recessed switchboxes wired in 1.5 sq.mm PVC single core copper cables enclosed in concealed HG PVC conduits as "MK" logic or approved equivalent complete with all necessary accessories:				
	(a) 1 gang 1 way	NO	15		
	(b) 1 gang 2 way	NO	19		
	(c) 2 gang 1 way	NO	3		
E	Supply, install and connect complete time switch lighting control system complete with HG PVC conduit, wiring in 3x1.5 sq mm PVC SC cables other accessories and fixings. For switching on / off lights in the corridor /stairways	NO	5		
F	Supply, install and connect ring main power points wiring in 3x2.5 sq. mm single core PVC cables drawn in concealed 25mm HG PVC conduit and all accessories necessary for vertical installation from ground level to heigh of 300mm.	NO	29		
G	Supply, install and connect - 13 Amp switched standard twin socket outlet as "MK" logic or approved equivalent and all accessories necessary including for vertical mounting from ground level where no walls enclose the area	NO	29		
	TOTAL FOR THE BASEMENT SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
3	INTERNAL ELECTRICAL SERVICES - GROUND FLOOR				
A	Supply, Install and connect the following lighting fittings complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description)				
	a) Type A (Washrooms)	NO	12		
	b) Type B (Bays/Units)	NO	313		
B	Supply, install and connect lighting points for one way / photocell / timer switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	181		
C	Supply, install and connect lighting points for two way / two way with intermediate switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	144		
D	Supply, install and connect the following moulded plastic lighting				
	(a) 1 gang 1 way	NO	128		
	(b) 1 gang 2 way	NO	28		
	(c) 2 gang 1 way	NO	4		
E	Supply, install and connect complete time switch lighting control system complete with HG PVC conduit, wiring in 3x1.5 sq mm PVC SC cables other accessories and fixings. For switching on / off lights in the corridor /stairways	NO	5		
F	Supply, install and connect ring main power points wiring in 3x2.5 sq. mm single core PVC cables drawn in concealed 25mm HG PVC conduit and all accessories necessary for vertical installation from ground level.	NO	170		
G	Supply, install and connect - 13 Amp switched standard twin socket outlet as "MK" logic or approved equivalent and all accessories necessary including for vertical mounting from ground level where no walls enclose the area.	NO	170		
	TOTAL FOR THE GROUND FLOOR SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
4	INTERNAL ELECTRICAL SERVICES - TYPICAL FLOOR (1ST, 4TH, 5TH, 6TH)				
A	Supply, Install and connect the following lighting fittings complete with a) Type A (Washrooms) b) Type B (Units/Bays)	NO NO	12 224		
B	Supply, install and connect lighting points for one way / photocell / timer switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	36		
C	Supply, install and connect lighting points for two way / two way with intermediate switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	200		
D	Supply, install and connect the following moulded plastic lighting (a) 1 gang 1 way (b) 1 gang 2 way (c) 2 gang 1 way	NO NO NO	19 28 2		
E	Supply, install and connect complete time switch lighting control system complete with HG PVC conduit, wiring in 3x1.5 sq mm PVC SC cables other accessories and fixings. For switching on / off lights in the corridor /stairways	NO	5		
F	Supply, install and connect ring main power points wiring in 3x2.5 sq. mm single core PVC cables drawn in concealed 25mm HG PVC conduit and all accessories necessary for vertical installation from ground level.	NO	201		
G	Supply, install and connect - 13 Amp switched standard twin socket outlet as "MK" logic or approved equivalent and all accessories necessary for vertical mounting from ground level.	NO	201		
	TOTAL FOR SECTION FOR TYPICAL FLOOR				
	GRAND TOTAL FOR 1ST, 4TH, 5TH ,6TH				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
5	INTERNAL ELECTRICAL SERVICES - TYPICAL FLOOR (2ND & 3RD)				
A	Supply, Install and connect the following lighting fittings complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description)				
	a) Type A (Washrooms)	NO	12		
	b) Type B (Units/Bays)	NO	339		
B	Supply, install and connect lighting points for one way / photocell / timer switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	246		
C	Supply, install and connect lighting points for two way / two way with intermediate switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	105		
D	Supply, install and connect the following moulded plastic lighting switches on recessed switchboxes wired in 1.5 sq.mm PVC single core				
	(a) 1 gang 1 way	NO	225		
	(b) 1 gang 2 way	NO	32		
	(c) 2 gang 1 way	NO	2		
E	Supply, install and connect complete time switch lighting control system complete with HG PVC conduit, wiring in 3x1.5 sq mm PVC SC cables other accessories and fixings. For switching on / off lights in the corridor /stairways	NO	5		
F	Supply, install and connect ring main power points wiring in 3x2.5 sq. mm single core PVC cables drawn in concealed 25mm HG PVC conduit and all accessories necessary for vertical installation from ground level.	NO	227		
G	Supply, install and connect - 13 Amp switched standard twin socket outlet as "MK" logic or approved equivalent and all accessories necessary for vertical mounting from ground level.	NO	227		
H	Supply and install television outlet points comprising 20mm diameter concealed HG PVC conduits complete with draw wire and covered outlet box as per specifications	NO	217		
I	Supply and install data/internet/voice outlet points comprising 20mm diameter concealed HG PVC conduits complete with draw wire and covered outlet box as per specifications	NO	217		
	TOTAL FOR SECTION OF TYPICAL FLOOR				
	MULTIPLY BY TWO FLOORS			2.00	
	SECTION SUMMARY FOR 2ND AND 3RD FLOORS				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
6	INTERNAL ELECTRICAL SERVICES - 7TH FLOOR				
A	Supply, Install and connect the following lighting fittings complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description)				
	a) Type A (Washrooms)	NO	18		
	b) Type B (Units/Bays)	NO	222		
B	Supply, install and connect lighting points for one way / photocell / timer switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	124		
C	Supply, install and connect lighting points for two way / two way with intermediate switching comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories	NO	116		
D	Supply, install and connect the following moulded plastic lighting switches on recessed switchboxes wired in 1.5 sq.mm PVC single core copper cables enclosed in concealed HG PVC conduits as "MK" logic or approved equivalent complete with all necessary accessories:				
	(a) 1 gang 1 way	NO	38		
	(b) 1 gang 2 way	NO	38		
	(c) 2 gang 1 way	NO	1		
E	Supply, install and connect complete time switch lighting control system complete with HG PVC conduit, wiring in 3x1.5 sq mm PVC SC cables other accessories and fixings. For switching on / off lights in the corridor /stairways	NO	5		
F	Supply, install and connect ring main power points wiring in 3x2.5 sq. mm single core PVC cables drawn in concealed 25mm HG PVC conduit and all accessories necessary for vertical installation from ground level.	NO	129		
G	Supply, install and connect - 13 Amp switched standard twin socket outlet as "MK" logic or approved equivalent and all accessories necessary for vertical mounting from ground level.	NO	129		
	CARRIED TO COLLECTION				-

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
A	Supply, install and connect radial wiring power point in 3x6 sq. mm single core PVC cables enclosed in concealed HG PVC conduit and all accessories for cooker units	NO	20		
B	Supply, install and connect - 45 Amp cooker connection unit as "MK" logic or approved equivalent complete with all necessary accessories for flush mounting	NO	20		
C	Supply and install television outlet points comprising 20mm diameter concealed HG PVC conduits complete with draw wire and covered outlet box as per specifications	NO	8		
D	Supply and install data/internet/voice outlet points comprising 20mm diameter concealed HG PVC conduits complete with draw wire and covered outlet box as per specifications	NO	8		
	CARRIED TO COLLECTION				
	COLLECTION TOTAL FROM ELEC/7 TOTAL FROM ABOVE				
	TOTAL FOR SEVENTH FLOOR CARRIED TO SECTION SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
7	INTERNAL ELECTRICAL SERVICES - LIFTS SHAFT LIGHTING				
A	Supply, install and connect lighting points for one way comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories being in elevator hoistway.	No.	18		
B	Supply, install and connect one gang one way moulded plastic lighting	No.	2		
	Supply, Install and connect lighting fittings complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description) being in elevator hoistway.	No.	18		
	TOTAL FOR LIFT SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
8	EXTERNAL ELECTRICAL SERVICES - SECURITY LIGHTS				
A	Supply, install and connect lighting points for one way comprising wiring in 3x1.5 sq.mm PVC single core copper cables drawn in concealed / surface HG PVC conduits, circular looping boxes and all other necessary accessories being in elevator hoistway.	No.	47		
B	Supply, install and connect three gang two way moulded plastic lighting switches on recessed switchboxes wired in 1.5 sq.mm PVC single core copper cables enclosed in concealed HG PVC conduits as "MK" logic or approved equivalent complete with all necessary accessories.	No.	3		
C	Supply, Install and connect lighting fittings complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description).	No.	47		
D	Supply, Install and connect 20 meter high mast flood light complete with lamps, tubes, suspensions and all other necessary accessories (see drawing for light fitting type description).	No.	1		
E	Supply, install and connect 2x16 sq.mm PVC/SWA/PVC copper cables complete with all necessary accessories between Distribution Board to isolators for the common services - lifts and pumps.	LM	100		

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
9	INTERNAL ELECTRICAL SERVICES - PUMP WIRING				
A	Supply, install and connect purpose made Free-standing, fully wired front access metal clad main star-delta starter control panel suitable for floor / wall mounting and manufactured in 14SWG galvanised mild steel sheet, to be finished in cream (or appropriate colour) powder coating.	NO	3		
B	6mm ² 4-C PVC/SWA/PVC copper cable c/w appropriate cable lugs from DB A to water pump	LM	200		
D	i) Cable glands for above cable	NO	250		
E	32A TPN Isolator switch for item above as Crabtree or approved equivalent	NO	3		
F	Trenching to 600mm depth, tilling, laying and backfilling complete with "HATARI" tiles.	LM	400		
	TOTAL FOR PUMP SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
10	CCTV				
A	2x50mm0 PVC HG conduit linking the CCTV cable boxes to all floors (5 points per floor)	LM	1650		
B	2x38mm0 PVC HG conduit linking the 2no. Electrical ducts and from ducts to adaptor boxes	LM	1308		
C	2x32mm0 PVC HG conduit for interlinking the adaptor boxes for power reticulation	LM	1500		
D	2x50mm0 PVC HG conduit for data reticulation	LM	1650		
E	CCTV box 200x200x75mm fully recessed in the wall	No.	45		
F	25mm diameter heavy gauge pvc conduits concealed in building fabric including all accessories for the CCTV points but excluding the cabling	No.	360		
	TOTAL FOR CCTV SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
11	FIRE ALARM AND DETECTION SYSTEM				
A	Final fire alarm point circuits from fire detection and alarm panel in a cable and conduit installation comprising concealed PVC conduit, 2 core red 1.5mm ² Pirelli FP200 Gold fire resistant cable to BS 5839 - 1:2002 including all accessories and fittings	No.	330		
B	Supply and install automatic 10 zone conventional fire detection and alarm panel complete with standby batteries as Menvier Firedex 2200/BW and the specifications	No.	1		
C	Supply and install weather proof call points as Menvier order code FX203 complete with all accessories and as shown in the drawing	No.	10		
D	Supply and install high temperature fixed heat detector as Menvier order code FXN626 complete with all accessories and as shown in the drawing	No.	30		
E	Supply and install high output bi-wire sounder as Menvier order code FX009 complete with all accessories and as shown in the drawing	No.	53		
F	Supply and install photoelectric Smoke Detector as Menvier or approved equivalent	No.	300		
G	Allow for the connecting up all circuits (including all interconnecting accessories, glands, locknuts and 'P' clips) to the fire alarm panel and repeater panels	Item			
H	Complete earthing and bonding to the installations to IEE regulations	Item			
I	Allow for testing the whole of the installation in the block in accordance with the technical specification	Item			
	TOTAL FOR SECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KSHS)
	SUMMARY				
1	TRANSFORMER AND SWITCH BOARD				
2	BASEMENT				
3	GROUND FLOOR				
4	1ST, 4TH, 5TH AND 6TH FLOORS				
5	2ND AND 3RD FLOORS				
6	7TH FLOOR				
7	LIFTS				
8	SECURITY LIGHTING				
9	MOTOR PUMP WIRING				
10	CCTV				
11	FIRE ALARM AND DETECTION SYSTEM				
	TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO GRAND SUMMARY				

MECHANICAL WORKS

PROPOSED GIKOMBA MARKET II- MECHANICAL SERVICES (PLUMBING AND DRAINAGE)

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
A	<p>SANITARY APPLIANCES Supply, deliver, install, test and commission the following sanitary appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors.</p> <p>(i) All sanitary fittings shall be in approved colour. (ii)The Model and Ref No. indicated is only a guide to the type and quality of fittings. (iii)Equivalent and Approved models may be acceptable.</p> <p>Squatting water closet bowl-(Stainless steel) Squatting WC Pan size 740x740mm manufactured from Grade 304 (18/10) Stainless Steel of 1.2 mm gauge complete with 20 mm turn up and flange all round, a flush bowl pressed into one piece with the raised treaded pattern foot plates on both sides and in front of the flush bowl, a rear entry 32mm spreader pipe, 100mm Waste outlet for fitting to a standard 100mm PVC Waste Connector. To be as Franke or Approved</p>	No.	112		
B	<p>Chrome plated flush valve 32mm water closet low pressure flush valve for squatting water closets complete with, back entry with integral vacuum breaker, non-hold-open features and non-return valve, inlet control stop and wall plate comprising flush valve, bent chrome plated flush pipe and rubber pipe connector. The flush valve to be push button type. The fittings shall be as Docol or equal and approved.</p>	No.	130		
C	<p>Wash hand basin Countertop Wash hand basin size 550 x450mm with single centre tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. All to be as Twyford's Refresh or equal and approved.</p>	No.	99		
D	<p>Toilet roll holder Fully recessed toilet roll holder in Vitreous China of size 150 x 150mm in approved colour as Twyford's or equal and approved.</p>	No.	144		
E	<p>Chrome plated coat hook Robe hook in Satin Aluminium to be mounted by concealed screws to wall wedges. To be as Twyford's Spectrum 2000 accessories or equal and</p>	No.	144		
F	<p>Mirror 6mm thick polished plate glass silver backed mirror with beveled edges, size 610 x 610mm, Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam.</p>	No.	64		
G	<p>Toilet paper dispenser Jumbo toilet paper dispenser as Velvex or approved equivalent</p>	No.	72		
H	<p>Urinal Slab Enameled Stainless Steel urinal slab with partitions, 2400mm in length, 14 litre concealed cistern with automatic flushing fittings, 15mm diameter 'pegler' bib tap with star handles, concealed chrome plated flush pipes with concealed horizontal sparge pipes, 50mm dia. chrome plated hinged outlet with grating, cast iron shallow p-trap, 330mm raised fireclay tile floor treads. The unit shall be 2400 x1050mm high with a channel as Ideal Standard or equal and approved</p>	No.	8		
TOTAL CARRIED TO COLLECTION					

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (PLUMBING AND DRAINAGE)

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
A	Hand drier Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws.	No.	36		
B	Soap Dispenser Wall mounted soap dispenser with a capacity of about one litre having a press action soap release mechanism complete with fixing screws. Allow for initial soap supply. As Starmix or approved equivalent.	No.	36		
C	Cleaners Sink Heavy duty sink size 465 x 410 x 285mm deep in enamelled fireclay complete with hardwood pad on the front edge and fitted bucket stainless steel grating and 20mm chrome plated wall mounted inclined bricon tap, chrome plate chain and rubber stopper and heavy gauge 40mm chrome plated bottle trap, stainless steel legs and bearers and 32mm grid waste fitting. All as Twyford "cleaners sink" or approved equivalent.	No.	8		
D	Disabled Persons Water Closet and Wash Hand Basin Facility Wheel chair accessible W.C facility Comprising of the following:- i) Close coupled W.C with 7.5 litre cistern with bottom inlet and overflow. The bowl shall be of size 375x560x420mm high. The bowl and cistern shall be manufactured from vitreous china complying with B.S 3402 .The unit shall be complete with valveless cistern fittings including syphon, 1 /2" side inlet ballvalve, 3 /4" side overflow, plastics flushbend, inlet connector and reversible metallic chrome plated cistern lever. There shall also be a heavy duty seat(25mmhigh) and cover with chrome plated metal hinges, toilet roll holder, 610 x 610 x 6mm thick mirror and robe hook.	No.	18		
E	SBSD Kitchen sink Single bowl, single drainer stainless steel kitchen sink of size 1000 x 500mm as manufactured by ASL 140 or equal and approved. The bowl size to be 420 x 355 x 150mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, INo. 15mm diameter chrome plated sink bib tap, chrome plated bottle trap with 75mm deep seal and chain waste fitting.	No.	5		
F	KITCHEN HOOD INSTALLATIONS To rid the kichen area of any smoke generated during operation by enhancing the air flow in the respective kitchen areas.				
F	kitchen hood 5' type 1 commercial kitchen wall canopy hood connected to the extraction fan to serve the 5 kitchens on the 7th floor.	No.	5		
G	Extract fan supply and circulate air at a flow rate of 2m3/s .	No.	2		
H	DUCT WORK Duct Galvanised mild steel duct work 3mm thick of 350mm complete with suitable supports, transformation pieces and flanged joints.	SM	48		
I	Flange tee 350mm diameter galvernised mild steel flanged tee connected to the hood extract riser	No.	6		
J	Elbow /Bend 350mm diameter galvanised mild steel bend connected to the last kitchen hood	No.	5		
TOTAL CARRIED TO COLLECTION					

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (PLUMBING AND DRAINAGE)

Item	Description	Unit	Qty	Rate (Kshs)	Amount(Kshs)
A	Flange 350mm diameter 3mm thick galvanised mild steel flangewith 6 no. connecting bolt.	No.	10		
B	Dobby splash and processing area sink Concrete/terrazzo doobby sink of size 600 x500 x300mm,complete with fittings plugs, chain stays, overflows.6 of them to be in the splash area, while the other one to be in the processing area , on the ground floor for fish byproducts processing.	No.	7		
C	Stand pipe 15mm 2m long GMS stand pipe each complete with 15mm chrome plated peglerbib tap	No.	16		
	INTERNAL PLUMBING Supply, deliver and install Polypropylene Random (PP-R) 20 pipework to DIN 8077 with joints, couplings, reducers, tees, adaptors, pipe fixing clips etc all to DIN 16962 and DIN 16928 .Pipe jointing shall be by polyfusion or use of electric coupling. Where pipework is not chased proper anchoring using approved fixtures shall be done. No pipework shall be left exposed to the sun. Rates must allow for all Metal/plastic threaded adaptors where required for the connection of sanitary fixtures, valves, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic materials, expansion arms and bends, crossovers, couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.				
	GI Pipework 110mm diameter pipework	Lm	330		
	100mm diameter ditto	Lm	300		
	75mmdiameter ditto	Lm	250		
	25mm diameter ditto	Lm	150		
	PPR (PN 20)Pipework 110mm diameter pipework	Lm	300		
D	90mm diameter ditto	Lm	200		
E	75mm diameter ditto	Lm	170		
F	63mm diameter ditto	Lm	110		
G	50mm diameter ditto	Lm	120		
H	40mm diameter ditto	Lm	120		
I	32mm diameter ditto	Lm	150		
J	25mm diameter ditto	Lm	300		
K					
	Bends 110mm diameter bends	No.	55		
L	90mm diameter ditto	No.	15		
M	75mm diameter ditto	No.	40		
N	63mm diameter ditto	No.	25		
O	50mm diameter ditto	No.	35		
P	40mm diameter ditto	No.	20		
Q	32mm diameter ditto	No.	36		
R	25mm diameter ditto	No.	80		
S					
	Tees 110mm diameter Equal Tee	No.	60		
T	90mm diameter ditto	No.	22		
U	75mm diameter ditto	No.	40		
V	63mm diameter ditto	No.	50		
W	50mm diameter ditto	No.	52		
X	40 mm diameter ditto	No.	36		
Y	32 mm diameter ditto	No.	60		
Z	25 mm diameter ditto	No.	110		
AA					
	TOTAL CARRIED FORWARD				

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (PLUMBING AND DRAINAGE)

Item	Description	Unit	Qty	Rate (Kshs)	Amount(Kshs)
	Reducers				
A	110 x 90mm diameter reducer	No.	35		
B	110 x 75mm diameter ditto	No.	22		
C	110 x 63mm diameter ditto	No.	18		
D	110 x 50mm diameter ditto	No.	15		
E	90 x 75mm diameter ditto	No.	18		
F	90 x 63mm diameter ditto	No.	18		
G	90 x 50mm diameter ditto	No.	18		
H	75 x63mm diameter ditto	No.	35		
I	75 x25mm diameter ditto	No.	14		
J	75 x50mm diameter ditto	No.	35		
K	63 x 50mm diameter ditto	No.	19		
L	63 x 40mm diameter ditto	No.	110		
M	63 x 32mm diameter ditto	No.	172		
O	63 x 25mm diameter ditto	No.	130		
P	50 x 40mm diameter ditto	No.	88		
Q	50 x 32mm diameter ditto	No.	88		
R	50 x 25mm diameter ditto	No.	98		
S	40 x 32mm diameter ditto	No.	80		
T	40 x 25mm diameter ditto	No.	110		
U	32 x 25mm diameter ditto	No.	168		
V	25 x 20mm diameter ditto	No.	277		
	Brass work/Gate valves				
W	110mm diameter gate valve	No.	33		
X	90mm diameter ditto	No.	33		
Y	65mm diameter ditto	No.	55		
Z	50mm diameter ditto	No.	55		
AA	40mm diameter ditto	No.	30		
BB	32mm diameter ditto	No.	35		
CC	25mm diameter ditto	No.	45		
	Sockets/pipe coupler				
EE	110mm diameter pipe socket	No.	18		
FF	90mm diameter ditto	No.	18		
GG	75mm diameter ditto	No.	22		
HH	63mm diameter ditto	No.	72		
II	50mm diameter ditto	Lm	33		
JJ	40mm diameter ditto	Lm	28		
KK	32mm diameter ditto	Lm	28		
LL	25mm diameter ditto	Lm	54		
	Non-return Valves				
	110mm diameter	No.	6		
	100mm diameter	No.	10		
	Faucets				
MM	Brass water faucets for the splash and the processing area dooby sinks	No.	10		
	TOTAL CARRIED FORWARD				

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (PLUMBING AND DRAINAGE)

Item	Description	Unit	Qty	Rate (Kshs)	Amount(Kshs)
	INTERNAL FOUL WATER DRAINAGE Supply,deliver and install the following UPVC, MUPYC, soil and waste systems respectively to B.S 5255 with fittings fixed to Manufactures Printed instructions and manufactured by reputable manufacturers. Tenderers must allow in their pipework prices for all the couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.				
	PIPEWORK				
	200mm diameter	lm	110		
A	150mm diameter	Lm	332		
B	100mm diameter	Lm	240		
	Bends/elbow				
C	200mm diameter	No.	20		
D	150mm diameter	No.	10		
E	100mm diameter	No.	80		
F	50 diameter	No.	20		
G	32mm diameter	No.	100		
	Tees				
H	150mm diameter sweep tee	No.	210		
I	100mm diameter ditto	No.	220		
J	50mm diameter		10		
K	65mm diameter ditto	No.	20		
L	32mm diameter ditto	No.	100		
	Access Caps				
M	150mm diameter access cap	No.	120		
N	100mm diameter ditto	No.	125		
O	40mm diameter ditto	No.	55		
P	32mm diameter ditto	No.	55		
	Manhole and manhole cover and frame				
Q	Three 1m by 1m by 0.5m pre-cast concrete manhole located outside the building behind the toilets and next to the mechanical ducts, and the other one is located on the left wing of the building and the other one on the right wing.	No.	4		
	ROOF WATER TANKS				
R	4 Roof water tank, made of pressed steel sectional tank plates 6mm thick plates (size 1000mm x 1000mm) capacity of 2 of the tanks to be 24,000 litres and of preferred dimensions 7900mm x 2400mm x 1266mm and two of the tanks to be 30000 liters.The two 24000 liters will be placed on the slub over the Gents/Ladies and the 3000liters be placed on the left wing , and one to be split between in use between the kitchen area and the fire hydrants. The tanks to come complete with tank cover, internal and external ladders, mosquito proof inspection vent, internal stays, jointing material, bolts and nuts including applying two coats of non-toxic bituminous paint on the inside and two coats of aluminum paint on the	No.	4		
	BOOSTER PUMP				
	Fire hose reel booster pump of capacity 5m ³ /h and 40m head.	No.	2		
	BASEMENT TANKS				
S	Two stainless steel tanks placed side to side in the basement floor with 4000x10000x3000 as the dimensions to give a capacity of 120meter cubic each.	No.	2		
	SUMP PUMP				
	Submersible pump to aid in the pumping of water from the basement sump, at a flow rate of 5m ³ /min.	No.	2		
	TOTAL CARRIED TO COLLECTION				

FIRE INSTALLATION

FIRE PROTECTION

Item	Description	Unit	Qty	Rate(Kshs)	Amount(Kshs)
	FIRE HOSEREEL AND PORTABLES Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the				
	Hose Reel System Hose Reel Swinging type hosereel fitted with 30 metres long, 20mm diameter reinforced non-kink rubber hose with 5/6 mm lever operated shut-off nozzle, mild steel feed pipe, isolation valve, guide and all other accessories as 'Angus Fire Armour' or equal and approved.	No.	36		
A					
B	Fire doors to be installed at the ground floor level next to the stairwells.	No.	4		
	FIRE PIPEWORK CLASS B				
C	50mm diameter pipework	Lm	160		
D	25mm diameter ditto	Lm	52		
	Bends				
E	50mm diameter bends	No.	20		
F	25mm diameter ditto	No.	52		
	union				
G	50mm diameter union	No.	24		
H	25mm diameter union	No.	24		
	reducing bush				
I	50 x 25mm diameter reducer	No.	24		
	nipple				
J	25mm diameter	No.	24		
K	50mm diameter	No.	36		
	Brass work/ Gatevalves				
L	50mm diameter gate valve	No.	10		
M	25mm diameter gate valve	No.	24		
N	50mm diameter check valve	No.	10		
O	Fire alarm systems	No.	36		
	Fire portables One of each type of fire extinguishers at each fire exit points and at the kitchens.				
P	9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	50		
Q	5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	50		
R	6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	50		
S	Manual alarm bell 9" (225mm) manual operated alarm bell (Gong)	No.	45		
T	Fire Notices to allow for fire signage for the hose reel system, fire exits and fire instructions as directed by the Engineer.	No.	45		
	Fire cabinet Allow for fire portables and hosereel cabinets 300x800x1000mm for the above extinguishers and hosereel to engineers approval.	No.	9		
U					
	Pump connections allow for fixing of Hosereel pumpset frame & electrical connection	LS			
V					
	Painting Allow for painting of the all hose reel pipework as per particular specifications.(paint red, for all floors)	LS			
W					
	TOTAL CARRIED TO COLLECTION				

Item	Description	Unit	Qty	Rate (Kshs)	Amount(Kshs)
	DRY RISER INSTALLATIONS				
A	Inlet breeching sheet metal box with wired glass door secured with spring locks openable from inside by smashing the glass and releasing the locking devices on the lock. Approximate size to be 595 x 295 x 395mm high.	No.	45		
B	Fire Brigade Breeching Inlet 100mm diameter inlet breeching with twin inlets, each inlet consisting of a 65mm diameter male instantaneous coupling with a non-return valve and black cap secured with a short length of chain.	No.	1		
C	Landing valve , 65 mm diameter, gunmetal gate pattern landing valve with flanged inlet and female instantaneous outlet fitted with plug secured by short chains and fixed on 100mm diameter dry riser pipe.	No.	36		
	Fire Hose				
D	65mm diameter, 30 metres long canvas fire hose complete with branch pipe, nozzle, female instantaneous coupling head, hanging hook and other associated fittings for its proper functioning. Associated Pipework GMS Pipework	No.	36		
	pipes				
E	200mm diameter pipe	Lm	56		
F	100mm diameter pipe	Lm	296		
G	50mm diameter ditto	Lm	10		
	Valves				
H	65mm isolating valve with its associated unions	No.	36		
I	65mm diameter flange	No.	36		
J	50mm automatic air release valve	No.	2		
	TOTAL CARRIED TO COLLECTION				

POSED GIKOMBA MARKET- MECHANICAL SERVICES (FIRE PROTECTI

Item	Description	Unit	Qty	Rate (Kshs)	Amount(Kshs)
A	<p>Hydrant Pumpset and Control Panel Supply and install fire-rated hydrant pumpset as SPP packaged pumps or equal and approved, comprising of two electric pumps and a Jockey pump. Pumps shall be electrically driven complete with delivery check valves, delivery stop valves, non-return valves, pressure switch arrangement, etc. and all other accessories. i) Diesel Pump Diesel driven pump capable of delivering 25L/s against a pressure of 9.0 bar. The pump to be complete with engine, fuel tank for 6 hours operation, controller, L.E.D acid batteries and the exhaust system comprising riser, flexible connector, bend and industrial silencers. The pump shall be as manufactured by SPP or approved equivalent. The pump shall be connected to the electric duty and jockey pump. ii) Electric Pump An electric motor driven pump capable of delivering 25L/s (1500L/min) against a pressure of 9.0 bar. Pump shall be close coupled complete with the panel (Star-delta starter). iii) Jockey pump An automatic jockey pump with a capacity of 2.5L/s (150L/min) at a static pressure of 10.5 bar. The pump to be complete with accessories and connected to the same control panel as for the main hydrant pumps. The pump shall be Grundfos CR series or approved equivalent. iii) Control Panel and Controls Dual control panel for the above three hydrant pumps complete with appropriate overload protection, phase failure protection, automatic change over switch, star-delta starter for electric pump, neon indicators for tripping and resetting plus any other necessary control accessories to operate all the three pumps. Control panel to be as SPP or equal and approved. Pressure vessels of suitable combination for pumps operation with butyl rubber membranes pre-charged before installation. The vessels to be as manufactured by VAREM of Italy or an approved equivalent. The pumps and connections to</p>	Set	2		
TOTAL CARRIED TO COLLECTION					

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (FIRE PROTECTION)

Item	Description	Unit	Qty	Rate(Kshs)	Amount(Kshs)
B	Fire Hydrants 65mm diameter screw down type fire hydrant conforming to BS 750: 1977 complete with Copper alloy spindle complying with requirements of BS 2874 and having a thread machined of trapezoidal form, Cast iron spindle cap secured to the spindle by an M12 hexagonal socket set screw to BS 4168, A tapered key suitable for the spindle cap, A screwed outlet with cast iron cap attached to the hydrant body by a chain. All other necessary accessories necessary for the proper functioning of the hydrant. The hydrant to be as 'Greenfield' type or approved equivalent.	No.	4		
C	Fire Hydrants Surface Box Fire hydrant surface box at ground level not less than 600x400x600mm depth complete with 100mm thick concrete base (1:3:6), 100mm block sides rendered all around in cement and sand (1:4), Approved hinged and flanged cast iron cover and frame. Covers to be clearly marked as per BS 750:1977 part II. All necessary excavations, disposal and form work.	No.	4		
D	Hydrant Key and Cover Key A suitable hydrant key and hydrant cover key for operating the fire hydrant valve	Set	4		
E	Testing and commisioning Allow for pressure testing and commissioning of the fire	LS			
TOTAL CARRIED TO COLLECTION					

COLLECTION PAGE

SUMMARY PAGE

Item	Description	Unit	Qty	Rate (Kshs)	Amount(Kshs)
	Page MC-1				
	Page MC-2				
	Page MC-3				
	Page MC-4				
	Page MC-5				
	Page MC-6				
	Page MC-7				
	Page MC-8				
	Page MC-9				
	TOTAL FOR MECHANICAL WORKS CARRIED TO GRAND SUMMARY PAGE				

EXTERNAL WORKS

Item	Description	Unit	Quantity	Rate	Amount
	ACCESS ROADS ,PARKINGS AND WALKWAYS				
	Site clearance				
A	Clear site of all bushes, grown weeds and the like and dispose as	SM	5,033		
	Excavations				
B	Excavate for roads, parking and walkways not exceeding 200mm and dispose as directed	SM	5,033		
C	Excavate to formation not exceeding 1.5m from existing ground level and cart away as directed by PM AND surplus excavated material and deposit in approved dumping area	CM	7,549		
E	Grade formation to correct falls cambers and cross fall including compaction to 100% BS	CM	3,146		
F	Provide approved hardcore and compact in layers not exceeding 300mm, well watered and rolled to PM'S satisfaction	CM	3,146		
G	Provide fill and compact 300mm approved murrum sub-base to PM'S satisfaction	SM	4,463		
H	Provide , lay and compact 200mm thick approved hardcore base.	CM	150		
I	Provide and spread 50mm thick stone dust sweep excess to the compacted base	SM	4,463		
J	Provide and spray at the rate of 0.75Ltrs/sm MC30 as prime coat to road base.	SM	919		
K	Provide and lay heavy duty interlocking concrete block(cabro) to carriage way,footpaths and parking areas.	SM	4,463		
L	125x100mm channel including 325x100mm concrete class 15 bed with similar haunching to sides including all necessary excavation and formwork	LM	1,200		
M	125x225mm road kerb including 325x100mm concrete class 15 bed with similar haunching to sides including all necessary excavation and formwork	LM	606		
	Informatory signs				
N	Provide, excavate for and erect informatory signs, including backfill and concreting with concrete class 15/20 to base as per the drawings and as directed	NO.	4		
O	Provide, excavate for and erect mandatory and Prohibitory signs including backfill and concreting with concrete class 15/20 to base as per the drawings and as directed	NO.	4		
	Road markings				
O	Provide and lay hot apply thermoplastic road marking compound in approved colour and shade (ASTM9) for road marking on cabro surface in center line 100mm ,edge line 150mm wide 3.0mm thick using fully automatic extrusion machine and using preme	LM	342		
P	Provide and apply two coats of synthetic enamel paint including primer to side kerb(black and white) and parking marking (white) as per technical specification	LM	61		
	TOTAL TO SECTION SUMMARY				

Item	Description	Unit	Quantity	Rate	Amount
	<u>STORM WATER DRAINAGE</u>				
	CHANNELS				
A	Rectangula shaped drainage channel reinforced with Y8 beams as per the engineer's drawings -formed in situ and including 100mm thick concrete (class20/20) bedding and haunching and all necessary excavation, backfill, disposal and formwork (average depth of	LM	371		
	COVERED STORM WATER DRAIN				
B	1500x1500mmx150mm thick fully reinforced concrete precast concrete culvert pipe on mass concrete (Class 25) bed and surround complying to BS 340, laid in trench and including jointing in cement and sand (1:3) excavation, backfill, disposal and formwork as directed	CM	93		
	HEADWALLS				
C	225mm medium chisel dressed stone bedded, jointed and pointed in cement and sand (1:3) mortar on and including 375x150mm thick concrete (1:3:6 to 40mm gauge) foundation average 900mm below ground level including forming opening for 300mm diameter pipe and all necessary excavation, disposal of surplus excavated materialand formwork	NO.	2		
	INVERT BLOCK DRAIN				
D	300mm Diameter precast concrete (class 25) invert block drain; 450mm wide x 225mm high bedded, with 600x225x75mm side slab ,jointed and pointed in cement and sand (1:3) mortar on and including 50mm thick concrete (class 15) bed including excavation,selected backfill, disposal and formwork (average depth of excavation 600mm deep) as directed.	LM	10		
	TOTAL TO SECTION SUMMARY				

Item	Description	Unit	Quantity	Rate	Amount
	SEWER CONNECTION MANHOLES				
	Circular manhole as per Engineer's details : consisting of 150 mm class 25 concrete bed : 50 mm class 10 concrete blinding : 250 mm (average) benching : 150 mm masonry, blockwork or concrete class 25 walls : 150 mm thick class 25 concrete surround to pipe extending 200 mm from external face of the wall : 150 mm thick class 25 cover slab : 125 mm class 25 concrete haunching to manhole cover frame reinforced with 8 mm diameter tensile bars to BS 4461 at 80 mm centres both ways : 12 mm thick render (1:3) to sides of walls and to benching : Provide and fix bitumen coated step irons in manholes at 300mm c/c. All to detail 50(5309) : formwork (cover and frame measured separately)				
A	1000 x 1000 mm internal dimensions x 1000 mm (Depth varies) deep to invert level	NO.	8		
	Concrete manhole cover class 30	NO.	8		
B	Cast iron Grade "B" (Medium Duty) single seal flat type manhole cover and frame size 610 x 452mm to B.S. 497: 1967 including setting frame in cement mortar and cover in water-proof grease	NO.	8		
C	Provide and install OG concrete pipes 350mm diameter	LM	150		
D	Provide and install grease traps	No.	4		
E	Provide and install silt gulley trap	No.	20		
F	Allow for testing the whole of the foul drainage system during the progress and at completion of the works to the satisfaction of the	LS	1		
G	Allow for connecting 200mm drain pipe payment to NCWSC to existing line	LS	1		
	TOTAL TO SECTION SUMMARY				

Item	Description	Unit	Quantity	Rate	Amount
	LAND SCAPING				
A	Supply, Stack and Spread good earth and manure at site including royalty and carriage up to 15 m	CM	250		
B	Supply, Stack and Plant flowering/avenue trees of at least 1m height above the ground level in excavated pits of size 1.2m x 1.2m x 1.2m and after planting, removal and stacking of excavated earth to desired location, filling the pit with soil, Large and small tree	NO	100		
C	Provide, Plant and Develop the plants, shrubs and flower bed on embankment slopes, inside the embankment and as shown on the drawing in excavated pits of size 0.6 x 0.6 x 0.6 and after planting removal and staking of excavated pits / bed with appropriate material				
	(a) Medium Shrubs	NO	50		
	(b) Small Shrubs	NO	50		
D	Grassing				
	(a) Plant of springs of approved indigenous type of grass	SM	250		
	(b) Hydro seeding				
	(i) provide an approved seed mixture for hydro seeding	Kg	110		
	(ii) Hydro seeding	SM	250		
E	Provide, Plant and develop the lawn in approved variety grass including excavating the existing soil to maximum depth 30 mm removing and stacking of excavated earth to instructed location, dressing the soil in proper slope, mound, fitting the excavation	SM	250		
F	Provide and lay crazy stones as per the direction of the Project Manager	SM	150		
G	Transplant the existing trees of girth above 600 mm girth as instructed by Engineer, including uprooting and shifting of the tree and placing in excavated pits of suitable size and after transplanting, removal and stacking of excavated earth to desired	NO	100		
F	Maintenance of transplanted trees including watering , including labour, all tools and equipment and maintaining up to defect liability period. as instructed by Engineer up to defect liability period.	NO	100		
	TOTAL TO SECTION SUMMARY				

Item	Description	Unit	Quantity	Rate	Amount
	SOLID WASTE COLLECTION				
A	Allow a provisional sum for (Kshs 450,000) three hundred thousand only for Solid waste collection point done externally	NO	5		
	TOTAL TO SECTION SUMMARY				
Item	Description	Unit	Quantity	Rate	Amount
	WATER CONNECTION				
	Connection of water from the borehole and county ,pvc pipe installation, supply , transport and installation in the excavated sites	LS			
	TOTAL TO SECTION SUMMARY				

Item	Description	Unit	Quantity	Rate	Amount
	<u>EXTERNAL WORKS</u> <u>SECTION SUMMARY</u>				
1	ACCESS ROAD & PARKINGS				
2	STORM WATER DRAINAGE				
3	SEWER CONNECTION				
5	LANDSCAPING				
6	SOLID WASTE COLLECTION				
7	WATER CONNECTION				
	TOTAL CARRIED TO GRAND SUMMARY				

PASSENGER LIFTS

Item	Description	UNITS	QTY	RATE	KSHS
	Supply, install, test and commission the following: -				
A	Price for all imported materials (give break-down on a separate sheet) - Passenger/goods lift 1600kg /21 persons lift (2No.), 9 stops	NO	2.00		
B	Price for locally purchased materials, installation, testing and commissioning costs for the 2 No. passenger/fireman's/goods lift (give breakdown on separate sheet).	NO	2.00		
C	Allow for 'Making good' all the Builders work associated with the installation of the 2No. new lifts.	Item	1.00		
D	Allow for any associated electrical works including provision of shaft lighting for the 2 No. Lifts	NO	2.00		
E	Price for full service maintenance of the 2No.new lifts during the 12 months defects liability period for whole period as described on page F/5 clause 15.0 @ Kshs.per month	NO	2.00		
F	Price for statutory inspection of the 2 No. new lifts on commissioning and thereafter two times during the 12 months defects liability period for whole period as described on page F/4 clause 14.0				
G	Price for 2 sets of operation and maintenance manuals as described in the specifications.				
H	Price for 2 sets of record drawing as described in the specifications.	NO	2.00		
I	Price for the travelling cable for interfacing fire alarm system, C.C.T.V and Audio system.	Item	1.00		
J	Allow for overseas factory inspection by 2No. Engineers from the Electrical department, and 1No. Employer's representative as described in clause 12.0 page F/4 of Section F	Item	1.00		
K	Provisional sum for statutory inspection of lifts as described in clause 14.0 page F/4 of Section F.	Item	1.00		
L	Allow for contractor's profits and attendance for items 1.10 and 1.11 above	%			
	TOTAL OF CARRIED FORWARD TO GRAND SUMMARY PAGE				

COLD / CHILLER ROOM/TOILET EXTRACT SYSTEM AND REFUSE CHUTE

BILL No. 1 PRELIMINARIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
1	Discrepancies clause 1.02				
2	Conditions of sub-contract Agreement clause 1.03				
3	Payments clause 1.04				
4	Site location clause 1.06				
5	Scope of Contract Works clause 1.08				
6	Extent of the Contractor's Duties clause 1.09				
7	Firm price contract clause 1.12				
8	Variation clause 1.13				
9	Prime cost and provisional sum clause 1.14 (insert profit and attendance which is a percentage of expended PC or provisional sum.)				
10	Bond clause 1.15				
11	Government Legislation and Regulations clause 1.16				
12	Import Duty and Value Added Tax clause 1.17 (Note this clause applies for materials supplied only. VAT will also be paid by the sub-contractor as allowed in the summary page)				
13	Insurance company Fees clause 1.18				
14	Provision of services by the Main contractor clause 1.19				
15	Samples and Materials Generally clause 1.21				
SUB-TOTAL CARRIED TO PAGE G -6					

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
16	Supplies clause 1.20				
17	Bills of Quantities clause 1.23				
18	Contractor's Office in Kenya clause 1.24				
19	Builder's Work clause 1.25				
20	Setting to work and Regulating system clause 1.29				
21	Identification of plant components clause 1.30				
22	Working Drawings clause 1.32				
23	Record Drawings (As Installed) and Instructions clause 1.33				
24	Maintenance Manual clause 1.34				
25	Hand over clause 1.35				
26	Painting clause 1.36				
27	Testing and Inspection — manufactured plant clause 1.38				
28	Testing and Inspection — Installation clause 1.39				
29	Storage of Materials clause 1.41				
30	Initial Maintenance clause 1.42				
	SUB-TOTAL CARRIED TO PAGE -G-6				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
31	Attendance Upon Tradesmen, etc. (Insert percentage only) clause 1.58				
32	Local and other Authorities notices and fees clause 1.60				
33	Temporary Works clause 1.63				
34	Patent Rights clause 1.64				
35	Mobilization and Demobilization Clause 1.65				
36	Extended Preliminaries Clause 1.66(see appendix on page C- 24)				
37	Supervision by Engineer and Site Meetings Clause 1.67				
38	Allow for profit and Attendance for the				
39	above				
40	Amendment to Scope of Sub-contract Works Clause 1.68				
41	Contractor Obligation and Employers Obligation clause 1.69(see appendix page C- 24)				
42	Any other preliminaries; airtime				
	<p style="text-align: center;">Subtotal above</p> <p>Subtotal brought forward from page CR/1</p> <p>Subtotal brought forward from page CR/2</p> <p>Subtotal brought forward from Above</p>				
	<p>TOTAL FOR BILL NO. 1- PRELIMINARIES CARRIED FORWARD TO SUMMARY PAGE</p>				

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (COLDROOM, REFUSE CHUTE EXTRACT)

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	COLD ROOM INSTALLATIONS				
A	14 kW evaporator unit	4	No		
B	14kW Semi-hermetic type Condensing Unit to match the load of the indoor unit as Bitzer or equivalent	4	No		
C	Copper piping/Amaflex insulation (20m length)	2	Item		
D	filter drier	4	No		
E	Control panel for the Cold Room	8	No		
F	Thermostat for the cold room	8	No		
G	Dial Thermometer for the cold room	4	No		
H	Solenoid valve for cold room Condensing unit	4	No		
I	LP/HP Cut out switch for cold room condensing unit	4	No		
J	High pressure gauge	4	No		
K	Low pressure gauge	4	No		
L	Thermal Expansion valve TEV	4	No		
M	Sight glass	6	No		
N	filter drier	4	No		
O	Electrical conduit works and wiring		1 Item		
P	65W vapour proof light fittings	12	No		
Q	Insulated door for the Cold Room as specified	2	No		
R	Vapour seal (Square meters)	800	Sm		
S	Thermal insulation 150mm thick polyurethane	800	Sm		
T	3 mm Chequered Aluminium plate	160	Sm		
U	23 Gauge Aluminium sheet	160	Sm		
V	Allow for Purging, charging, testing, commissioning and cleaning of the cold room	1	Item		
Total carried forward to Summary Page					

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PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (COLDROOM, REFUSE CHUTE EXTRACT)

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	MECHANICAL VENTILATION SYSTEM				
A	Extract Fan duty 2000 m ³ /hr against 250 pa static pressure as XPELAIR or approved equivalent with approved anti vibration mountings.	8	No		
B	Fan control panels	8	No		
C	Electrical works for above works	8	Item		
D	Circular silencer casing constructed from cold formed pre-galvanized sheet steel and absorbent material of acoustic grade resin bonded mineral fibre with erosion resistant lining. The silencer shall be fitted with absorption pond.	8	No		
E	Single deflection extract grilles with damper capable of extracting 0.0225m ³ /sec of air while maintaining sound pressure levels less than NR 25 at 3 m from the outlet.	144	No		
F	SWG 20 Galvanized mild steel ductwork complete with bends, transformation pieces, branch takeoffs, flanges and stiffeners all as per the approved working drawings.	160	SM		
G	Volume control dampers size 200 x 150mm	24	No		
H	External weather Louvre in aluminium size 600x 600mm	8	No		
I	Transformation pieces		1 Item		
J	flexible connections	12	No		
K	Testing and commissioning of the works		1 Item		
Total carried forward to Summary Page					

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PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (COLDROOM, REFUSE CHUTE EXTRACT)

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<p>REFUSE CHUTE INSTALLATIONS <u>Supply, deliver, install and fix the following equipment/items as described. Where trade names are mentioned the tenderer must provide the same materials as other brands shall not be accepted without a written authority to supply alternative brands by the Engineer.</u></p>				
A	<p>EXTRACT FAN Supply and install duct mounted axial aerofoil air extract fan capable of delivering 0.25m³/s against a pressure drop of 100pa.The fan to come complete with mounting brackets, anti vibration mountings and flexible connector.</p>	4	No.		
B	<p>DUCT WORK Galvanized mild steel ductwork 3mm thick complete with suitable supports, transformation pieces and flanged joints.</p>	180	SM		
C	<p>SLIDING SHUTTER Base stopper mechanism for sliding to stop or release refuse at bottom of chute and be light enough to be operated by one person.</p>	28	No.		
D	<p>FLANGED TEE 350mm diameter galvanised mild steel flanged tee with refuse chute door connecting hinges.</p>	28	No.		
E	<p>REFUSE CHUTE HOPPER Door hopper suitable for closing the chute when opened to receive refuse and prevent dust, smoke and smells from passing through. The hopper door shall be fabricated from 600 x 450 x 5mm thick galvanised mild steel sheet and shall be painted with a suitable colour to approval. The cover shall be hinged using 3No. 100mm butterfly brass hinges or similar and approved brass or self tapping screws. It shall be provided with 150 x 150mm handle of R10 welded on. The hatch shall rest on a recessed lap or frame all round the opening.</p>	28	No.		
F	<p>SHUTTER FIRE DAMPER Shutter fire damper complete with fusible link and micro switch for de-activating the fan when damper closes suitable for a 350mm diameter refuse chute.</p>	4	No.		
G	<p>FLANGE Diameter 350mm 5mm thick galvanised mild steel flange with 6N0. connecting bolts to floor slab.</p>	28	No.		
	Total carried forward to Summary Page				

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PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (COLDROOM, REFUSE CHUTE EXTRACT)

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
A	<p>DUSTBIN CART Dust bin cart size: 1400 x 650 x 750mm manufactured from 40 x 25 x 3mm RHS frame on one side (other side a 20mm diameter B.M.S removable restrainer pipe J, 40 x 25 x 1mm RHS frame and 75 x 50 x 3mm castors support frame. The bottom to be of 4mm thick mild steel chequer plate and sides 0.6mm thick mild steel P sheets. The castors to be four, two fixed and two swiveling. Two commercial size plastic dustbins complete with lids to be provided.</p>	4	No.		
B	<p>TRANSFORMATION PIECE 4mm thick galvanised mild steel diameter 350 x 250mm flanged transition piece and support.</p>	4	No.		
C	<p>CHUTE OFFSET 350mm diameter refuse chute flanged offset made from 5mm thick galvanised mild steel. The offset should not be less than 45° from the horizontal.</p>	4	No.		
D	<p>COWL Cowl outlet suitable for mounting on a duct of diameter 250mm.</p>	4	No.		
E	<p>FAN CONTROL PANEL Splash proof control panel manufactured from 1.2mm thick sheet with stove enamel finish and clear perplex front cover. The panel shall incorporate isolator contactor phase failure relay, motor starter, overload relay and overheat safety control and fuses.</p>	4	No.		
F	<p>ELECTRICAL WORKS Allow for associated electrical works including wiring and conduiting from the local isolator provided by others through the control panels to the fans. The distance between the isolator and the fan is approximately 5m.</p>	1	Item		
G	<p>TESTING AND COMMISSIONING Allow for testing and commissioning the refuse chute installation to the satisfaction of the Engineer.</p>	1	Item		
Total carried forward to Summary Page					

PROPOSED GIKOMBA MARKET- MECHANICAL SERVICES (COLDROOM, REFUSE CHUTE EXTRACT)

SUMMARY PAGE-(COLD ROOM, TOILET EXTRACT AND REFUSE CHUTE

INSTALLATIONS)

ITEM	DESCRIPTION				AMOUNT (KSHS)
	Preliminaries and General Items				
1	Total amount as brought forward from page.....CR/3			
	Coldroom Installations				
2	Total amount as brought forward from page.....CR/4			
	Toilet Extract System Installations				
3	Total amount as brought forward from page.....CR/5			
	Refuse Chute Installation				
4	s Total amount as brought forward from page.....CR/6			
5	Total amount as brought forward from page.....CR/7			
	TOTAL AMOUNT FOR COLD ROOMS,TOILET EXTRACT AND REFUSE CHUTE INSTALLATIONS CARRIED TO GRAND SUMMARY PAGE				

GRAND SUMMARY PAGE

ITEM	DESCRIPTION	PAGE NO.	AMOUNT (KSHS)
1	PARTICULAR PRELIMINARIES	PP/5	
2	GENERAL PRELIMINARIES	GP/9	
3	PROJECT PROVISIONS	P/1	
4	MAIN BUILDING WORKS	PAGE 56	
5	ELECTRICAL WORKS	ELEC/13	
6	MECHANICAL WORKS	MC/10	
7	EXTERNAL WORKS	EW/6	
8	LIFTS	LIFT 1	
9	COLD ROOM	CR/8	
	SUB-TOTAL 1		
	ADD CONTINGENCIES (5%)		
	GRAND TOTAL CARRIED TO FORM OF TENDER		