

REPUBLIC OF KENYA



**MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING, URBAN DEVELOPMENT
AND PUBLIC WORKS.**

STATE DEPARTMENT FOR HOUSING AND URBAN DEVELOPMENT

TENDER NO: MTHUDPW/SDHUD/UDD/006/2020-2021

TENDER DESCRIPTION:

PROPOSED CONSTRUCTION OF KANGARI MARKET IN MURANGA COUNTY

TENDER DOCUMENTS

EMPLOYER

Principal Secretary
State Department for Housing
and Urban Development
P.O. Box 30119-00100

NAIROBI

PROJECT MANAGER

The Director
Urban Development Department
State Department for Housing and
Urban Development
P.O. Box 34477-00100

ISSUE DATE: 17th NOVEMBER, 2020

TABLE OF CONTENTS

SECTION I: INVITATION TO BID	7
SECTION II: INSTRUCTIONS TO TENDERERS.....	8
SECTION II : INSTRUCTION TO TENDERERS.....	10
APPENDIX TO INSTRUCTIONS TO TENDERERS.....	23
SECTION III: EVALUATION AND QUALIFICATION CRITERIA	26
SECTION IV: BIDDING FORMS.....	32
FORM 1: FORM OF TENDER.....	34
FORM 2: APPENDIX TO FORM OF TENDER	35
FORM 3: SCHEDULE OF PRICES/BILLS OF QUANTITIES.....	37
FORM 4: STATEMENT OF FOREIGN CURRENCY REQUIREMENTS	38
FORM 5: SCHEDULE OF MATERIALS-BASIC PRICES	39
FORM 6: SCHEDULE OF LABOUR-BASIC PRICES	40
FORM 7: FORM OF TENDER SECURITY	41
FORM 8: TENDER SECURING DECLARATION	42
FORM 9: DECLARATION FORM.....	43
FORM 10: FORM OF WRITTEN POWER OF ATTORNEY	44
TECHNICAL PROPOSAL FORMS	45
FORM 11: SITE ORGANISATION	45
FORM 12: METHOD STATEMENT.....	45
FORM 13: MOBILIZATION SCHEDULE	45
FORM 14: CONSTRUCTION SCHEDULE	45
FORM 15: CONTRACTOR’S EQUIPMENT	46
FORM 16: PERSONNEL	47
FORM 17: CURRICULUM VITAE OF PROPOSED PERSONNEL.....	48
FORM 18: DETAILS OF SUB-CONTRACTORS.....	50
BIDDER’S QUALIFICATION FORMS	51
FORM 19: TENDER QUESTIONNAIRE	51
FORM 20: PENDING LITIGATION AND ARBITRATION.....	52
FORM 21: FINANCIAL SITUATION.....	53
FORM 22: FINANCIAL RESOURCES	55
FORM 23: AVERAGE ANNUAL TURNOVER	56
FORM 24: SCHEDULE OF ONGOING PROJECTS	57
FORM 25: COMPLETED WORKS	58
FORM 26: GENERAL EXPERIENCE	59
FORM 27: SPECIFIC EXPERIENCE	61

SUPPLEMENTARY DOCUMENTS.....	62
SECTION V: EMPLOYER’S REQUIREMENTS	66
SECTION VI: CONDITIONS OF CONTRACT AND CONTRACT FORMS	Error! Bookmark not defined.
GENERAL CONDITIONS OF CONTRACT.....	Error! Bookmark not defined.
PARTICULAR CONDITIONS OF CONTRACT.....	Error! Bookmark not defined.
Definitions and Interpretation.....	Error! Bookmark not defined.
Engineer’s Duties and Authority	Error! Bookmark not defined.
4 Assignment and Subcontracting	Error! Bookmark not defined.
5 Contract Documents	Error! Bookmark not defined.
10.1. Performance Security	Error! Bookmark not defined.
11.1. Inspection of Site.....	Error! Bookmark not defined.
14.1. Programme to be Submitted.....	Error! Bookmark not defined.
14.2. Cash Flow Estimate to be Submitted	Error! Bookmark not defined.
15. Contractor’s Superintendence.....	Error! Bookmark not defined.
16.2. Engineer at Liberty to object.....	Error! Bookmark not defined.
Safety, Security and Protection of the Environment	Error! Bookmark not defined.
Insurance of Works & Contractor’s Equipment	Error! Bookmark not defined.
Royalties	Error! Bookmark not defined.
Interference with Traffic and Adjoining Properties.....	Error! Bookmark not defined.
Labour	Error! Bookmark not defined.
41.1. Commencement and Delays.....	Error! Bookmark not defined.
41.2. Definition of Commencement	Error! Bookmark not defined.
42.2. Possession of Site and Access Thereto.....	Error! Bookmark not defined.
45. Working Hours	Error! Bookmark not defined.
47.2. Reduction of Liquidated Damages	Error! Bookmark not defined.
Defects Liability	Error! Bookmark not defined.
52. Variations	Error! Bookmark not defined.
52.4. Daywork	Error! Bookmark not defined.
54. Plant, Temporary Works and Materials.....	Error! Bookmark not defined.
Quantities	Error! Bookmark not defined.
Measurement.....	Error! Bookmark not defined.
Provisional Sums.....	Error! Bookmark not defined.
Certificates and Payment	Error! Bookmark not defined.
60.1. Advance Payment	Error! Bookmark not defined.
60.2. Interim Payment Certificate	Error! Bookmark not defined.
60.3. Final Account and Final Payment Certificate	Error! Bookmark not defined.
60.4. Payment of Certificates	Error! Bookmark not defined.
60.5. Payment of Retention Money.....	Error! Bookmark not defined.

60.6. Currency of Payment	Error! Bookmark not defined.
60.7. Overdue Payments	Error! Bookmark not defined.
60.8. Correcting and With-holding	Error! Bookmark not defined.
60.9. Completion by Sections.	Error! Bookmark not defined.
60.10. Proportion of Foreign Currency	Error! Bookmark not defined.
60.11. Statement at Completion	Error! Bookmark not defined.
60.12. Final Statement	Error! Bookmark not defined.
60.13. Discharge	Error! Bookmark not defined.
60.14. Final Payment Certificate	Error! Bookmark not defined.
60.15. Cessation of Employer’s Liability	Error! Bookmark not defined.
62.1. Defects Liability Certificate	Error! Bookmark not defined.
Remedies	Error! Bookmark not defined.
Settlement of Disputes	Error! Bookmark not defined.
Notices	Error! Bookmark not defined.
Default of Employer	Error! Bookmark not defined.
69.1. Default of Employer	Error! Bookmark not defined.
69.4. Contractor’s Entitlement to Suspend Work	Error! Bookmark not defined.
69.5. Resumption of Work	Error! Bookmark not defined.
Changes in Cost and Legislation	Error! Bookmark not defined.
Clause 73 Declaration Against Waiver	Error! Bookmark not defined.
Clause 74 Bribery and Collusion	Error! Bookmark not defined.
Clause 75 Contract Confidential	Error! Bookmark not defined.
Clause 76 Employer’s Officials etc., Not Personally Liable	Error! Bookmark not defined.
Clause 77 Taxes and Duties	Error! Bookmark not defined.
Clause 78 Joint Ventures	Error! Bookmark not defined.
LETTER OF NOTIFICATION OF AWARD	Error! Bookmark not defined.
LETTER OF ACCEPTANCE	Error! Bookmark not defined.
FORM OF AGREEMENT	Error! Bookmark not defined.
PERFORMANCE BANK GUARANTEE	Error! Bookmark not defined.
BANK GUARANTEE FOR ADVANCE PAYMENT	Error! Bookmark not defined.
REQUEST FOR REVIEW	Error! Bookmark not defined.

SECTION I: INVITATION TO BID

Tender Number: **MTIHUDPW/SDHUD/UDD/006/2020-2021**

Tender Name: **PROPOSED CONSTRUCTION OF KANGARI MARKET IN MURANGA COUNTY**

The Government of Kenya through the Ministry of Transport, Infrastructure, Housing and Urban Development and Public Works, State Department for Housing and Urban Development intends to procure a suitably qualified contractor for the **Proposed Construction of Kangari Market in Muranga County**

Interested bidders may access the tender documents from the State Department's website www.housingandurban.go.ke or the **Public Procurement Information Portal (PPIP)** <https://tenders.go.ke> free of charge. No hard copies of the document shall be availed due to the current COVID-19 Pandemic. Bidders who download the documents from the website are required to inform the Employer of their wish to submit their bid. All enquiries and clarifications should be sent via email to: procurementhousingandurban@gmail.com.

1. Completed tender documents should be submitted accompanied by a tender security issued by a reputable commercial bank or Insurance company approved by PPRA in the amount of **KES 2 million**. The tender security shall be valid for a period of **180 days** from the tender opening date. Failure to provide bid security in the right format, right source, correct value and validity period shall lead to disqualification of the bidder.
2. Prices quoted shall be inclusive of duty and other taxes and shall remain valid for **150 calendar days** from the closing date of the tenders.
3. Completed tender documents shall be deposited in the Tender Box **located at Ardhi House, 6th Floor Lift Lobby**. Bulky documents shall be delivered and registered at the office of the **Head Supply Chain Management Services**, located on 6th Floor, Wing B, Ardhi House 1st Ngong Avenue, off Ngong Road.
4. The tender opening will be at **State Department for Housing and Urban Development Boardroom, located on 6th Floor - Ardhi House, 1st Ngong Avenue off Ngong Road on 30th November 2020 at 11:00 AM** in the presence of bidders' representatives who choose to attend.
5. The Government is not bound to accept any tender and shall not be held liable for any cost incurred in the tender preparation.

Head of Supply Chain Management Services
For: The Principal Secretary
State Department of Housing and Urban Development
Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works.
PO Box 30119 -00100
NAIROBI

SECTION II: INSTRUCTIONS TO TENDERERS
TABLE OF CLAUSES

A: GENERAL	10
1. DEFINITIONS	10
2. ELIGIBILITY AND QUALIFICATION REQUIREMENTS	10
3. COST OF TENDERING	11
4. SITE VISIT	11
B. TENDER DOCUMENTS	12
5. TENDER DOCUMENTS	12
6. INQUIRIES BY TENDERERS	12
7. AMENDMENT OF TENDER DOCUMENTS	12
C. PREPARATION OF TENDERS	13
8. LANGUAGE OF TENDER	13
9. DOCUMENTS COMPRISING THE TENDER	13
10. TENDER PRICES	13
11. CURRENCIES OF TENDER AND PAYMENT	14
12. TENDER VALIDITY	15
13. TENDER SECURITY	15
14. NO ALTERNATIVE OFFERS	15
15. PRE-TENDER MEETING	16
16. FORMAT AND SIGNING OF TENDERS	16
D. SUBMISSION OF TENDERS	16
17. SEALING AND MARKING OF TENDERS	16
18. DEADLINE FOR SUBMISSION OF TENDERS	17
19. MODIFICATION AND WITHDRAWAL OF TENDERS	17
E. TENDER OPENING AND EVALUATION	17
20. TENDER OPENING	17
21. PROCESS TO BE CONFIDENTIAL	18
22. CLARIFICATION OF TENDERS	18
23. DETERMINATION OF RESPONSIVENESS	18
24. CORRECTION OF ERRORS	19
25. CONVERSION TO SINGLE CURRENCY	19
26. EVALUATION AND COMPARISON OF TENDERS	20
F: AWARD OF CONTRACT	21
27. AWARD CRITERIA	21
28. NOTIFICATION OF AWARD	21
29. PERFORMANCE GUARANTEE	21
30. ADVANCE PAYMENT	22
31. CORRUPT OR FRAUDULENT PRACTICES	22
APPENDIX TO INSTRUCTIONS TO TENDERERS	23

SECTION II: INSTRUCTION TO TENDERERS

A: GENERAL

1. Definitions

- (a) “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**

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 provide the following information and documentation as required in the **Appendix to Instructions to Tenderers**:

- (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 Engineer.
- (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 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: Bidding 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.
- 5.3 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".

6. 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

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 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 prescribed 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

Tenders determined to be substantially responsive shall be checked by the Employer for any arithmetic errors in the computations and summations. Errors will be corrected by the Employer as follows:

- (a) Where there is a discrepancy between the amount in figures and the amount in words, the amount in words will govern.
- (b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case adjustment will be made to the entry containing that error.
- (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bills of Quantities, the amount as stated in the Form of Tender shall prevail.
- (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected builder's work (i.e. corrected tender sum less Prime Cost and Provisional Sums).
- (e) The Error Correction Factor shall be applied to all builder's work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuations of variations.
- (f) The amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 13.

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 Dayworks 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 or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

26.11. 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.

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.
- 28.2. 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.
- 28.3. 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.
- 28.4. 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.
- 29.2. 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.
- 29.3. 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 Ksh. 1,000.00 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 5.1 (f)	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 10.2	The bidders should include all Government taxes and shall be in the Main Summary .

Clause 12.1	The Tender validity period shall be 150 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 2,000,000.00
Clause 13.3	The tender security validity period shall be 180 days from date of tender opening.
Clause 13.3	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 from the original.
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, 1st Ngong Avenue Floor/Room number: 6th Floor, Tender Box Email: procurementhousingandurban@gmail.com
Clause 18.1	The deadline for bid submission is: 30th November 2020 at 11:00AM East African time
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	Where there will be a material difference between the evaluated price after correction of errors pursuant to ITT 24 and the tender sum in the Form of Tender, the error shall be declared as major deviation, reservation or omission and the tender disqualified as non-responsive pursuant to Section 79 of the Public Procurement and Asset Disposal Act 2015.
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> .
F: AWARD OF CONTRACT	
Clause 29.1	The Performance Security shall be at least 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 Employer discretion, 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

This section contains all the criteria that the Employer shall use to evaluate Bids and qualify Bidders through post-qualification. No other factors, methods or criteria shall be used other than specified in this tender document. The Bidder shall provide all the information requested in the forms included in *Section IV Bidding Forms*. After tender opening, the tenders will be evaluated in the following stages:

- 1) **Preliminary Examination of Bids;**
- 2) **Technical Evaluation of Bids**
- 3) **Commercial Evaluation of Bids**
- 4) **Recommendation for Award.**

STAGE 1: PRELIMINARY EXAMINATION OF BIDS

The Bidder shall provide the documentary evidence by submitting the required forms and documents as specified in *Section IV Bidding Forms*.

In accordance to ITT Clause 2.1, Bidders shall be required to meet the following eligibility criteria without material deviations, reservations or omissions, otherwise the bid shall be assessed as non-responsive to the requirements of the tender documents and not considered for further evaluation.

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 Incorporated Firms to confirm that the firm is a local contractor. (should be within the last 12 months.)	
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. 100,000,000 (Kenya Shillings One Hundred Million) . (Attach copies of certified bank statements for the last six months (Within May & October,2020) OR letter of credit line from a financial institution registered by Central Bank of Kenya for the specific project. The documents so provided may be verified for authenticity).	
MR 5	Provide documentary evidence of the Company's valid registration by National Construction Authority NCA 3 or above as Building Contractor	
MR 6	Provide documentary evidence of the Company's valid annual practicing license from the National Construction Authority as a Building Contractor Category NCA 3 or Above.	
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 Five Hundred Million (Kshs. 300,000,000.00) 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	Provide Bid Security from a reputable bank or Insurance company approved by PPRA in the Amount as indicated in the Instruction to Tenderers	
MR 9	Provide Form of Tender duly filled, signed and stamped. The person signing must have written authority in the form of Power of Attorney .	
MR 10	Provide a Signed <i>Power of Attorney</i> authorizing the signatory to sign the bid on behalf of Bidder.	

STAGE 2: TECHNICAL EVALUATION OF BIDS

- (a) This stage shall involve the technical evaluation of the bid to determine its compliance to the tender requirements and that the bidder is qualified with capacity and resources to perform the contract.
- (b) If a Bid is not substantially responsive to the requirements of the tender documents, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.
- (c) First, the **bids** shall first be examined to determine the consistence of the **Technical Proposal** regarding site organization, a statement of work methods, mobilization schedule, construction schedule, contractor's equipment, proposed key personnel, resume of key personnel, details of subcontractors, and any other information as stipulated in *Section IV Bidding Forms*.
- (d) The **bidders** shall next be evaluated to determine their capability and resources to effectively carry out the contract of works, using the following Qualification Evaluation Criteria. Bidders that do not attain **75% Score shall be disqualified**.

	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 1 mark to a maximum of 4 years	4
T2	Provide a list of at least three (3) clients to which the company has undertaken building construction works each valued at KShs. 300,000,000.00 and above in the last 5 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 10 marks to a maximum of 3 clients	30

<p>T3</p>	<p>Provide a list of at least ten (10) Qualified Technical Staff in the company relevant to the building construction industry. 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: i). Project Manager; ii)Asst. Project Manager iii). Site Agent; iv). Quantity Surveyor; v). Lands Surveyor; vi). Electrical /Mechanical Engineer; vii). Civil /Structural Engineer General Forman Concrete/Form Work/Steel Forman x). Walling/Finishes Foreman c. All technical staff provided MUST have as a minimum five years' post college experience in building construction. Each personnel MUST indicate the firms he/she has worked in since graduation. d. Detailed Curriculum Vitae (CV's) of each staff MUST be attached. The Curriculum Vitae MUST state qualification, experience, and duration with 	<p>Each Qualified Technical Staff will earn 3 marks to a maximum of 10 Number of Qualified Technical Staff.</p>	<p>30</p>
------------------	--	---	------------------

	<p>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: Hoe Excavator, Concrete Mixer, Excavator, Bank 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>	<p>Each relevant equipment will earn 2 marks up to a maximum of 20 marks</p>	20
T5	<p>Completion Record: Provide a list of three (3) building construction projects each valued at KShs. 300,000,000 and above to which the company has completed within contract timelines in the last 5 years. The Bank may undertake due diligence on the list. Note: Bidder to provide copies of contracts and completion certificates as proof of having undertaken the works.</p>	<p>Each reference project will earn 2 marks to a maximum of 5 Projects</p>	6
T6	<p>Audited Financial Statements for the last three consecutive years (2017 and 2019) certified by a certified auditor. The evaluation committee will consider annual turnover</p>	<p>i. 10 marks for average annual turnover of 300 Million and above</p> <p>ii. 7 marks for average annual turnover of 200 Million and below 300 Million.</p> <p>iii. 5 marks for average annual turnover of 100 Million and below 200 Million.</p> <p>iv). No mark for average annual</p>	10

		turnover of below 100Million.	
	Total		100

STAGE 3: FINANCIAL EVALUATION OF BIDS

This stage will involve the detailed evaluation of the financial aspects of the bids using the following procedure and methodology as provided in the tender documents:

- (1) The prices for components of the bill of quantities and for unit rates of the bid shall be analysed to verify whether the bill of quantities is complete, without material deviations, reservations or omissions. Subject to section 79(2)(b) of the Act, 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
- (2) The cost of items against which the bidder has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the bill of quantities, hence there shall be no adjustments for missing items in the bill of quantities.
- (3) If a bidder does not quote a price for one entire bill, or fail to correctly carry a bill to the summary or tender sum, the bid shall be rejected as non-responsive.
- (4) The bids shall be checked for any arithmetical errors in computation and summations. If a bid has material errors in the line subtotals and totals, it shall be rejected as non-responsive.
- (5) The amounts in foreign currency shall be converted to Kenya Shillings for evaluation purposes.
- (6) The reservations or margins of preference as provided in ITT 26.6 and 26.7 and Appendix to ITT will be applied as applicable for evaluation purposes.
- (7) The bids that are responsive at the detailed financial evaluation stage shall be ranked based on the lowest to the highest evaluated price.
- (8) Non-responsive bids shall be rejected at this stage and shall not be considered further in the next evaluation and award 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** based on the documents submitted under *Section IV Bidding Forms* and tender documents on pass-fail basis.
- (c) 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.
- (d) In that event, the second lowest bidder shall be subjected to the due diligence based on the forms submitted under *Section IV Bidding Forms* and tender documents on pass-fail basis.
- (e) 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.
- (f) 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.
- (g) 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.

SECTION IV: BIDDING FORMS

LIST OF BIDDING FORMS

FORM 1: FORM OF TENDER.....	34
FORM 2: APPENDIX TO FORM OF TENDER	35
FORM 3: SCHEDULE OF PRICES/BILLS OF QUANTITIES.....	37
FORM 4: STATEMENT OF FOREIGN CURRENCY REQUIREMENTS.....	38
FORM 5: SCHEDULE OF MATERIALS-BASIC PRICES.....	39
FORM 6: SCHEDULE OF LABOUR-BASIC PRICES	40
FORM 7: FORM OF TENDER SECURITY	41
FORM 8: TENDER SECURING DECLARATION	42
FORM 9: DECLARATION FORM	43
FORM 10: FORM OF WRITTEN POWER OF ATTORNEY	44
TECHNICAL PROPOSAL FORMS.....	45
FORM 11: SITE ORGANISATION	45
FORM 12: METHOD STATEMENT	45
FORM 13: MOBILIZATION SCHEDULE	45
FORM 14: CONSTRUCTION SCHEDULE	45
FORM 15: CONTRACTOR’S EQUIPMENT	46
FORM 16: PERSONNEL.....	47
FORM 17: CURRICULUM VITAE OF PROPOSED PERSONNEL	48
FORM 18: DETAILS OF SUB-CONTRACTORS	50
BIDDER’S QUALIFICATION FORMS.....	51
FORM 19: TENDER QUESTIONNAIRE	51
FORM 20: PENDING LITIGATION AND ARBITRATION	52
FORM 21: FINANCIAL SITUATION	53
FORM 22: FINANCIAL RESOURCES	55
FORM 23: AVERAGE ANNUAL TURNOVER.....	56
FORM 24: SCHEDULE OF ONGOING PROJECTS.....	57
FORM 25: COMPLETED WORKS.....	58
FORM 26: GENERAL EXPERIENCE	59
FORM 27: SPECIFIC EXPERIENCE.....	61
SUPPLEMENTARY DOCUMENTS	62

FORM 1: FORM OF TENDER

[This form should be prepared in the letterhead of the tenderer]

TO: _____ [Name of Employer) _____ [Date]
_____ [Name of Contract]

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 Kshs. _____
[Amount in figures] Kenya
Shillings _____ [Amount in words]
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 _____

FORM 2: APPENDIX TO FORM OF TENDER

(This appendix forms part of the tender)

CONDITIONS OF CONTRACT	CLAUSE	AMOUNT
Tender Security (Bank or insurance approved by PPRA)		Kshs 2 million (2,000,000.00)
Amount of Performance Security (Unconditional Bank Guarantee)	10.1	10 (ten) percent of Tender Sum in the form of Unconditional Bank Guarantee from a bank recognized by the Central Bank of Kenya.
Works Program to be submitted	14.1	Not later than 14 days after issuance of Order to Commence
Period between Program updates	14.1	30 days
Cash flow estimate to be submitted	14.3	Not later than 14 days after issuance of Order to Commence
Minimum amount of Third Party Insurance	23.2	The minimum insurance amounts and deductibles shall be: (a) For loss or damage to the Works, Plant and Materials: 110 % of cost of plant & materials. (b) For loss or damage to Equipment: 110 % of cost of equipment. (c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract: 100% of cost of property. (d) for personal injury or death: (i) of the Contractor's employees: as per Kenya Applicable Law. (ii) of other people: as per Kenya Applicable Law.
Period for commencement, from the Engineer's order to commence	41.1	Within 28 days as agreed with the Employer
Time for completion	43.1	78 Weeks after commencement date
Amount of liquidated damages	47.2	2.5% of the contract sum per week
Limit of liquidated damages	47.2	10% of Contract Sum
Defect Liability period	49.1	6 (Six Months)
Minimum amount of interim certificates	60.2	KShs 10 million
Percentage of Retention	60.5	10% of Interim Payment Certificate, reduced to 5% upon issue of taking over certificate.
Limit of Retention Money	60.5	10% of Contract Price
Time within which payment to be made after Interim Payment Certificate signed by Engineer	60.8	30 days

Time within which payment to be made after Final Payment Certificate signed by Engineer	60.8	60 days
Appointer of Arbitrator	67(3)	Chief Justice of The Republic of Kenya
Notice to Employer and Engineer	68.2	The Employers address is: Principal Secretary, State Department of Housing and Urban Development P.O. Box 30119-00100 <u>NAIROBI</u> The Director Urban Development Department State Department for Housing and Urban Development P.O. Box 34477-00100 <u>NAIROBI</u>

Name of Tenderer:

Authorized Signature.....

Date.....

FORM 3: SCHEDULE OF PRICES/BILLS OF QUANTITIES

[The Bidder shall insert the priced bill of quantities here]

FORM 4: STATEMENT OF FOREIGN CURRENCY REQUIREMENTS

(See Clause 60[5] 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) _____

FORM 5: SCHEDULE OF MATERIALS-BASIC PRICES
(Ref: Clause 70 of Conditions of Contract)

Material	Unit	Origin and Price			Transport Cost from Source of Origin	
		Country of Origin	Supplier	Price	Mode	Price
Cement	Mg					
Lime	Mg					
Sand	Mg					
Aggregate	Mg					
Diesel	L					
Regular Petrol	L					
Super Petrol	L					
Kerosene	L					
Structural steel	Mg					
Gabion Mesh	M2					
Reinforcement Steel	Mg					
Explosives	Kg					
Oil and Lubricants	L					
Bitumen Emulsion A3	L					
Bitumen Emulsion A4	L					
Bitumen Emulsion K1	L					
Bitumen Emulsion K3	L					
Bitumen 80/100	Kg					
Bitumen MC 30	ML					
Bitumen MC 70	L					
Bitumen MC 3000	L					
Ammonium nitrate for blasting	Kg					

I certify that the above information is correct.

.....
 (Title)

.....
 (Signature)

.....
 (Date)

The prices inserted above shall be those prevailing 30 days before the submission of Tenders and shall be quoted in Kenya Shillings using the exchange rates specified in the Appendix to Form of Tender. Prices of imported materials to be quoted CIP Construction Site as appropriate depending on whether materials are imported by the tenderer directly or through a local agent. Transportation costs for imported materials to be quoted from Mombasa or Nairobi as appropriate to (Contract Site) depending on whether materials are imported directly by the tenderer or through a local agent.

FORM 6: SCHEDULE OF LABOUR-BASIC PRICES
(Reference: Clause 70 of Conditions of Contract)

<i>LABOUR CATEGORY</i>	<i>UNIT (MONTH/SHIFT/HOUR)</i>	<i>RATES</i>

Categories to be generally in accordance with those used by the Kenya Building Construction and Engineering and Allied Trades Workers' Union.

I certify that the above information is correct.

.....
 (Title)

.....
 (Signature)

.....
 (Date)

FORM 7: 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;
 - (c) Rejects a correction or an arithmetic error in the tender.

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]

(Amend accordingly if provided by the Insurance Company)

FORM 8: TENDER SECURING DECLARATION
[Not applicable]

[The Bidder shall fill in this Form in accordance with the instructions indicated.]

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

Tender No.: [insert number of bidding process]

To: [insert complete name of Purchaser]

We, the undersigned, declare that:

1. We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
2. We accept that we will automatically be suspended from being eligible for tendering in any public procurement tenders with any public entity for the period of time determined by the Public Procurement Oversight Authority, if we are in breach of our obligation(s) under the tendering conditions, because we:
 1. a) have withdrawn our tender during the period of tender validity specified in the Tender Data Sheet; or
 2. b) having been notified of the acceptance of our Tender by the Procuring Entity during the period of tender validity fail or refuse to execute the contract; or fail or refuse to furnish the performance security, if so required.
3. We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer, upon our receipt of your notification or regret of the tender award letter; or thirty-eight days after the expiration of our Tender, whichever is earlier.
4. We understand that if we are a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and if the Joint Venture has not been legally constituted at the time of tendering, the Tender Securing Declaration shall be in the names of all envisaged partners as named in the letter of intent.

Signed: [insert signature of person whose name and capacity are shown] In the capacity of [insert legal capacity of person signing the Tender Securing Declaration]

Name: [insert complete name of person signing the Tender Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder] Dated on _____ day of _____, _____ [insert date of signing]

FORM 9: DECLARATION FORM

Date _____

To _____

The tenderer i.e. (name and address) _____
declare the following:

- a) Has not been debarred from participating in public procurement.
- b) Has not been involved in and will not be involved in corrupt and fraudulent practices regarding public procurement.
- c) Is not in conflict of interest in the procurement proceedings
- d) Is not insolvent, in receivership, bankrupt, or in the process of being wound up
- e) Has not been precluded from entering into a procurement contract
- f) Is not in serious violation of fair employment practices.

Title

Signature

Date

(To be signed by authorized representative and officially stamped)

FORM 10: FORM OF WRITTEN POWER OF ATTORNEY

[The Bidder shall insert here the Power of Attorney authorizing the signatory to sign the bid and negotiate the contract if awarded the contract]

TECHNICAL PROPOSAL FORMS

{The Bidder shall present the proposed site organization, method statement, mobilization, and construction schedule in the format presented below in a consistent manner that complies with requirements stipulated in Section V Employer's Requirements without material deviation, reservation, or omission}

FORM 11: SITE ORGANISATION

FORM 12: METHOD STATEMENT

FORM 13: MOBILIZATION SCHEDULE

FORM 14: CONSTRUCTION SCHEDULE

FORM 15: 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
	Capacity
Current Status	Model and power rating
	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

FORM 16: 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

FORM 17: CURRICULUM VITAE OF PROPOSED PERSONNEL

Key Personnel

Name of Bidder

Position [#1]: [title of position from Form 15]		
Personnel information	Name:	Date of birth:
	Address:	E-mail:
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>	
Details		
	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): _____

FORM 18: 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

BIDDER'S QUALIFICATION FORMS

FORM 19: 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)

.....

Title:

Signature of Tenderer:

Date:

FORM 20: 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

FORM 21: 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							

FORM 22: 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:

Date: _____

Tender Number

Tender Description:

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

FORM 23: AVERAGE ANNUAL TURNOVER

Bidder Name:
Tender Number
Tender Description:

Date: _____

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

*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.

FORM 24: 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)

FORM 25: COMPLETED WORKS

*{The Bidder to list completed works carried out by the Bidder in the last **five** years}*

Employer	Description of Works	Total Value of Works (KES)	Contract Period (Years)	Year Completed

I certify that the above works were successfully carried out and completed by ourselves.

.....
(Title)

.....
(Signature)

.....
(Date)

*Value in Kshs using Central Bank of Kenya mean exchange rate at a reference date 30 days before date of tender opening.

FORM 26: 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:

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:

FORM 27: 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	

Annex 16: 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 Licence 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:

	<i>Name in full</i>	<i>Nationality</i>	<i>Citizenship Details</i>	<i>Shares</i>
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.

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

Annex 16. Certificate Of Tenderer's Visit To Site (not mandatory)

This is to certify that

[Name/s]

.....

Being the authorized representative/Agent of [Name of Tenderer]

.....

.....

participated in the organized inspection visit of the site of the works for the (Name of Contract:

..... day of.....20.....

Signed.....

(Employer's Representative)

.....

NOTE: This form is to be completed whether the site visit is made at the time of the organized site or privately organized.

Annex n: Other Documents

SECTION V: EMPLOYER'S REQUIREMENTS
SPECIFICATIONS

DRAWINGS

The actual Contract drawings including site plans to be issued to the winning bidder.

**BILLS OF QUANTITIES
PARTICULAR PRELIMINARIES**

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>B.</p> <p>C.</p> <p>D.</p> <p>E</p> <p>F</p>	<p><u>PARTICULAR PRELIMINARIES</u></p> <p>PRICING ITEMS OF PRELIMINARIES 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 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 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 The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Urban Development Department, P.O. Box 34477-00100, NAIROBI.</p> <p>QUANTITY SURVEYOR The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Urban Development Department, P.O. Box 34477-00100, NAIROBI.</p> <p>ELECTRICAL ENGINEER The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Urban Development Department, P.O. Box 34477-00100, NAIROBI.</p>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E</p> <p>F</p> <p>G</p>	<p>MECHANICAL ENGINEER The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Urban Development Department t, P.O. Box 34477-00100, NAIROBI.</p> <p>STRUCTURAL ENGINEER The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Urban Development Department, P.O. Box 34477-00100, NAIROBI.</p> <p>SCOPE OF THE CONTRACT The works to be carried out under this contract comprise of CONSTRUCTION AS PER SPECIFICATIONS AND BILLS OF QUANTITIES.</p> <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>MEASUREMENTS 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> <p>LOCATION OF SITE The site for works is located within the jurisdiction of County Government of Muranga.</p> <p>. 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> <p>SIGNING OF THE TENDER DOCUMENTS The bidder shall append his / her signature and / or company's rubber stamp on each and every page of tender document.</p>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <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> <p>B</p> <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> <p>C</p> <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>		
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p>	<p>PAYMENTS The tenderer's attention is drawn to the fact that the;</p> <ul style="list-style-type: none"> • ADVANCE PAYMENT MAY BE GIVEN AT THE DISCRETION OF THE CLIENT TO A LIMIT OF 20% SECURED BY A BANK GUARANTEE. • PAYMENT WILL BE FOR WORK DONE AND MATERIALS DELIVERED TO SITE. <p>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> <p>B PREVENTION OF ACCIDENT, DAMAGE OR LOSS 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> <p>C WORKING CONDITIONS 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> <p>D SIGNBOARD 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 Manager.</p> <p>E LABOUR CAMPS 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> <p>F MATERIALS FROM DEMOLITIONS 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>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E</p> <p>F</p>	<p>PRICING RATES 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> <p>SECURITY 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> <p>URGENCY OF THE WORKS 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>PAYMENT FOR MATERIALS ON SITE 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> <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> <p>BID SECURITY 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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>PERFORMANCE BOND</p> <p>A bond of 7.5% 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 Bank/insurance company</p> <p>B</p> <p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page 9</p> <p>C</p> <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> <p>D</p> <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	KSHS
A	<p>FIRM PRICE CONTRACT 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>	

B PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT

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 52 weeks after commencement

Liquidated and Ascertained At the rate of Kshs.. 2.5%... 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 7.5 % of the contract amount from a reputable bank

Carried to collection

ITEM	DESCRIPTION	KSHS
------	-------------	------

	<p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought forward from page PP/1 Brought forward from page PP/2 Brought forward from page PP/3 Brought forward from page PP/4 Brought forward from page PP/5 Brought forward from page PP/6 Brought forward from page PP/7</p>	
	<p>TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY</p>	

GENERAL PRELIMINARIES

ITEM	DESCRIPTION	KSHS
<p>A.</p> <p>B</p>	<p>GENERAL PRELIMINARIES</p> <p>PRICING ITEMS OF PRELIMINARIES AND PREAMBLES 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> <p>ABBREVIATIONS 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. 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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p>	<p>PERFORMANCE BOND. 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 7.5 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>	
<p>B</p>	<p>PLANT, TOOLS AND VEHICLES 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>	
<p>C</p>	<p>TRANSPORT. 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>	
<p>D</p>	<p>MATERIALS AND WORKMANSHIP. 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>	
<p>E</p>	<p>SIGN FOR MATERIALS SUPPLIED. 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>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	KSHS
A	<p>STORAGE OF MATERIALS 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>	
B	<p>SAMPLES 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. 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>	
C	<p>GOVERNMENT ACTS REGARDING WORKS PEOPLE ETC. 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. 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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>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>B</p> <p>OFFICE ETC. 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> <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>		
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E.</p>	<p>SUPERVISION AND WORKING HOURS 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> <p>PROVISIONAL SUMS. 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> <p>PRIME COST (OR P.C.) SUMS. 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> <p>PROGRESS CHART. 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> <p>ADJUSTMENT OF P.C. SUMS. 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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <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> <p>B</p> <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> <p>C</p> <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. Sums under the description "add for Attendance".</p> <p>D</p> <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>		
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A</p> <p>B</p> <p>C</p> <p>D</p>	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC. The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for 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> <p>INSURANCE 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> <p>PROVISIONAL WORK All work described as "Provisional" in these Bills of Quantities is subject to remeasurement 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> <p>ALTERATIONS TO BILLS, PRICING, ETC. 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>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	KSHS
A	<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>	
	<p>B 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> <p>C PROTECTION OF THE WORKS.</p> <p>Provide protection of the whole of 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> <p>D 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>E 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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
	<p>GENERAL SPECIFICATION A. 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>B. TRAINING LEVY 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 C. 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>D. HOARDING 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>E. CONTRACTOR'S SUPERINTENDENT/SITE AGENT 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>	
	Carried to collection	

	<p><u>COLLECTION</u></p> <p>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 Brought Forward From Page GP/ 8 Brought Forward From Page GP/ 9 Brought Forward From Page GP/ 10 Brought Forward From Page GP/ 11</p>	
	<p>TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY</p>	

PROJECT'S PROVISIONS

Item	DESCRIPTION	Units	Quantity BOQ	Rate (Kshs)	Amount (Kshs)
	<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 document.</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 environmentalist for the duration of the Project.	PSUM	1	8,340,000	8,340,000 -
B	Allow a provisional sum of Kshs. Five Million (5,000,000) for Project Management Team and other stakeholders facilitation allowances during project implementation, as and whenever it is necessary.	PSUM	1	5,000,000	5,000,000
C	Provide new 1No. diesel propelled van carrying capacity 12 persons and minimum 2500cc engine capacity with turbocharger for exclusive use of the Project Manager and staff over the duration of the contract. The vehicles revert to the Employer at the end of the contract and are subject to approval of the Project Manager	NO	1		- -
D	Maintain with competent drivers, fuel, lubricate and service the project vehicles for the duration of the contract, commissioning and handover. Allow for 2000Km per vehicle month upto end of defects liability period	Lump sum	1	3,500,000	3,500,000 -
E	Allow for the Contractor's overheads and profits on items A,B, and D above.	%			-
F	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	1		-
G	Provide a Prime-cost sum of Kshs One Million five Hundred Thousand, (1,500,000.00) only for carrying out environmental impact assessment before the commencement of works and and undertaking environmental mitigation measures as the work progresses.	PSUM	1	1,500,000	1,500,000 -
H	Allow a provisional sum of Kshs. Five hundred thousand (500,000.00) for HIV/AIDS awareness creation and senzitization during project implementation.	PSUM	1	500,000	500,000 -
I	Allow a provisional sum of Kshs. Two Million (2,000,000.00) for stationery, documentation, model making, review and preparation of as built drawings Manager.	PSUM	1	2,000,000	2,000,000
	Contractor's profits and overheads				
J	Allow for the Contractor's overheads and profits on items G,H, and I, and above.	%			-
	TOTAL PROJECT'S PROVISION TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1 SUBSTRUCTURES (ALL PROVISIONAL)				
	Site Preparation				
A	Clear site of all bushes, shrubs and grub up roots and remove from site.	1,656	SM		
	Excavations and Earthworks				
B	Bulk excavation starting from reduced level not exceeding 1.50 meters deep.	2,484	CM		
C	Ditto; exceeding 1.50 but not exceeding 3.00 meters deep.	1,648	CM		
D	Ditto; exceeding 3.00 but not exceeding 4.50 meters deep.	1,648	CM		
E	Ditto; exceeding 4.50 but not exceeding 6.00 meters deep.	1,166	CM		
F	Ditto for column bases starting from reduced level not exceeding 1.50 meters deep.	1,672	CM		
G	Ditto; exceeding 1.50 but not exceeding 3.00 meters deep.	1,103	CM		
H	Ditto but for Retaining Wall base starting from reduced level not exceeding 1.50 meters deep.	893	CM		
J	Ditto but for strip foundations starting from reduced level not exceeding 1.50 meters deep.	735	CM		
K	Extra-over all excavation for excavating rock irrespective of class.	760	CM		
L	Return, fill-in and rum selected excavated materials around foundations	2,500	CM		
M	Remove and cart away surplus excavated materials and spread on site average 500m from site as directed	8,114	CM		
	Total carried to collection				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Diposal of water Keeping all excavations free from all water including spring or running water	1	Item		
B	Planking and strutting Uphold the sides of all excavations Filling	1	Item		
C	Hardcore filling in making up levels,exceeding 300mm thick in layers of 150mm maximum thickness 50mm (average) thick quarry dust blinding to surfaces of hardcore	1,656	SM		
D	50mm (average thick quarry dust blinding to surfaces of hardcore	1,656	SM		
E	Antitermite treatment Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	1,656	SM		
F	500 gauge DPM Concrete	1,660	SM		
G	50mm thick mass concrete class Q (1:4;8) to strip foundations	441	SM		
H	Under Retaining Wall base	595	SM		
J	Ditto; column bases	1,103	SM		
	Insitu concrete; reinforced; class 25 / (20mm); vibrated				
K	Strip Foundations base	110	CM		
L	Column bases	662	CM		
M	Foundations columns	38	CM		
N	Lower Ground stairs	9	CM		
P	200mm thick ramp	76	SM		
Q	Retaining wall Base	215	CM		
R	300mm thick retaining wall	510	SM		
S	150mm thick base slab	1,656	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Reinforcement Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks				
A	25mm diameter bars	6,400	KG		
B	20mm ditto	36,036	KG		
C	16mm ditto	40,215	KG		
D	12mm ditto	13,200	KG		
E	10mm ditto	4,300	KG		
F	8mm ditto	5,670	KG		
G	Fabric Mesh Reinforcement Ref A142 measured nett allow for laps	1,656	SM		
	<u>Sawn formwork to insitu concrete as described:-</u>				
H	Vertical sides of columns and column bases	1,071	SM		
J	Sides of retaining wall and retaining wall base	1,228	SM		
K	Sloping soffites of ramp; curved irrespective of radii	76	SM		
L	Sloping soffites of staircase	40	SM		
M	Landings	21	SM		
N	Risers 0-150mm girth	108	LM		
P	To strings of staircases 300mm extreme girth	26	LM		
Q	Curved edges of ramp 150-300mm girth	36	LM		
	<u>Flexcell expansion joint.</u>				
J	25mm thick in reinforced concrete walls	4	SM		
K	25mm thick in columns	24	SM		
	Total carried to collection				
	<u>COLLECTION</u> Brought forward from page K1 Brought forward from page K2 Brought forward from page K3				
	TOTAL FOR SUBSTRUCTURES CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Insitu concrete; reinforced; class 25 / (20mm);vibrated				
A	Beams	132	CM		
B	Columns	52	CM		
C	Staircases & ramp	22	CM		
D	150mm Suspended slab	1,876	SM		
E	150mm Landings	32	SM		
	Sawn formwork to:				
F	Sides and soffites of beams	1,420	SM		
G	Sides of columns	562	SM		
H	Soffites of suspended slab	1,876	SM		
J	Soffites of landings	32	SM		
K	Sloping soffites of staircases	10	SM		
L		27	LM		
M	Raking string edge to staircases 300mm high (extreme) cut and fitted to profile of treads and risers	7	LM		
	<u>Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	High Tensile Steel Reinforcement				
N	25mm diameter bars	19,250	KG		
P	20mm ditto	9,158	KG		
Q	16mm ditto	13,068	KG		
R	12mm ditto		KG		
S	10mm ditto	33,768	KG		
T	8mm ditto	7,635	KG		
	SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>WALLING</u>				
	<u>Smooth chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course</u>				
A	200mm Thick walling externally	386	SM		
	<u>Medium chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course</u>				
B	200mm Thick walling internally	75	SM		
C	Ditto but 100mm thick	1,750	SM		
	<u>Clay honycomb jointed with cement sand</u>				
D	200mm thick Extenally <u>Flexcell expansion joint.</u>	960	SM		
E	25mm thick in reinforced concrete walls	12	SM		
F	25mm thick in columns	54	SM		
	TOTAL FOR WALLING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3				
	WINDOWS				
A	250 x 25mm Precast concrete window cill bedded and jointed with cement and sand	74	LM		
	Supply, assemble and fix the following purpose-made mild steel casement windows;				
B	Window overall size 3700 x 2100mm high	4	NO		
C	Window overall size 600 x 600mm high	2	NO		
	4mm Thick clear glass and glazing fixed with				
D	Panes 0.1 - 0.5 square metres	32	SM		
	Prepare and apply three coats gloss oil paint				
E	Glazed surfaces; both sides (measured gross)	64	SM		
F	Ditto grilled surfaces; both sides (measured	64	SM		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>DOORS</u>				
	<u>Mild steel Doors</u>				
A	900 x 2550mm high mild steel pannel door comprising of 6 No. Size 300 x 800mm high and 3No. Size 300 x 450mm high 10mm thick glass panels 100 including purpose made hanging and lockingx 50 x 3mm RHS framing and metal lugsincluding 900 x 200mm and 900 x 300mm high double plates complete with accessories once primed with red oxide primer before delivery to the site including three lever mortice lock as per 'Union' Ref 2277 manufacturer or other equal and approved	127	NO		
B	Ditto but double door size 1800 x 2550	5	NO		
	<u>Flush doors as B.S 459 part 2</u>				
C	45mm thick semi Solid core flush door faced both sides with 6 mm interior quality plywood ready for painting and hardwood lipped all round size 850 x 2100mm high	4	NO		
	Wrot Cyprus or other equal and approved :-				
D	100mm x 50mm Frame with two labours plugged	24	LM		
E	45 x 38mm architrave	48	LM		
F	25mm diameter quadrant	48	LM		
	Supply and fix the following ironmongery with screws to match.				
G	2 Lever mortice lock and set furniture	4	NO.		
H	100mm Brass butts hinges	6	PRS		
J	40mm Diameter rubber door stops	4	NO.		
	Knot, prime, prepare and apply three coats gloss oil paint to:				
K	General surfaces of timber	15	SM		
L	Surfaces between 200mm to 300mm girth	24	LM		
M	Ditto not exceeding 100mm girth	96	LM		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5				
	EXTERNAL FINISHINGS				
	<u>Walls</u>				
A	Extra over walling for smooth chisel dressing with flush pointed vertical joints and recessed horizontal joints	386	SM		
	12mm thick gauged lime (1:2:9) plaster to :				
B	Beams & columns	1,686	SM		
	Prepare and apply 12mm Thick wall master				
C	Plastered surfaces of beams & columns	1,686	SM		
TOTAL FOR EXTERNAL FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 6				
	INTERNAL FINISHES				
	Walls				
	Cement and sand (1:3) plaster				
A	12mm Thick to wall surfaces	3,240	SM		
	Prepare and apply three coats first grade				
B	Plastered walls	3,240	SM		
	FLOORS				
	Cement and sand (1:4) screeding smooth				
C	32mm thick screed prepared to receive non-ceramic tiles (m/s)	30	SM		
	Non-slip ceramic floor tiles as 'Saj Ceramics'				
	or other equal and approved jointed and				
	pointed with matching cement sand (1:4)				
	mortar: colour quality and pattern to the				
	Project Manager's scheme in;				
D	300 x 300 x 8mm thick ceramic floor tiles fixed with an approved adhesive on prepared screed(m/s)	30	SM		
	Cement and sand (1:4) screeding smooth				
E	28mm thick screed prepared to receive terrazzo finish (m/s)	1,207	SM		
	Insitu polished terrazo paving on screeded floor surfaces:				
		1,207	SM		
F	12mm Thick paving to floor	349	LM		
G	Ditto 100mm high x 10mm thick skirting				
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	BALUSTRADING AND RAILING Staircase Balustrading & Railing comprising 50x50x3mm Mild steel handrail, 25x25x3mm mild steel top and bottom rails and steel handrail, 25x25x3mm mild steel top and bottom rails and welded to 40x40x3mm balusters as per Architect's detail, overall ,height 900mm	32	LM		
	Total carried to collection				
	COLLECTION Brought forward from page K/10 Brought forward from Above				
	TOTAL				

ITEM	DESCRIPTION				AMOUNT
A	REINFORCED CONCRETE SUPERSTRUCTURE..... 5				
B	WALLING.....6				
C	WINDOWS.....7				
D	DOORS.....8				
E	EXTERNAL FINISHES.....9				
F	INTERNAL FINISHES.....11				
	TOTAL FOR LOWER GROUND LEVEL 1 & 2 CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Insitu concrete; reinforced; class 25 / (20mm); vibrated				
A	Beams	198	CM		
B	Columns	80	CM		
C	Staircases & ramp	28	CM		
D	150mm Suspended slab	2,518	SM		
E	150mm Landings	32	SM		
	Sawn formwork to:				
F	Sides and soffites of beams	1,644	SM		
G	Sides of columns	840	SM		
H	Soffites of suspended slab	2,476	SM		
J	Soffites of landings & ramp	46	SM		
K	Sloping soffites of staircases	40	SM		
M	Ditto risers 75-150mm high	108	LM		
N	Raking string edge to staircases 300mm high (extreme) cut and fitted to profile of treads and risers	28	LM		
	Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)				
	High Tensile Steel Reinforcement				
P	25mm diameter bars	23,500	KG		
Q	20mm ditto	4,750	KG		
R	16mm ditto	17,250	KG		
S	10mm ditto	44,760	KG		
T	8mm ditto	10,550	KG		
	TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	WALLING				
	Smooth chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course				
A	200mm Thick walling externally Medium chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course	1,084	SM		
B	200mm Thick walling internally	58	SM		
C	Ditto but 100mm thick Clay honeycomb jointed with cement sand mortar	3,346	SM		
D	200mm thick Extenally	1,674	SM		
	<u>Flexcell expansion joint.</u>				
E	25mm thick in reinforced concrete walls	18	SM		
F	25mm thick in columns	67	SM		
TOTAL FOR WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3				
	DOORS				
A	Mild steel Doors 900 x 2550mm high mild steel pannel door comprising of 6 No. Size 300 x 800mm high and 3No. Size 300 x 450mm high 10mm thick glass panels including 900 x 200mm and 900 x 300mm high double plates complete with 100 x 50 x 3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primed with red oxide primer before delivery to the site including three lever mortice lock as per 'Union' Ref 2277 or other equal and approved manufacturer Flush doors as B.S 459 part 2	322	NO		
B	45mm thick semi Solid core flush door faced both sides with 6 mm interior quality plywood ready for painting and hardwood lipped all round size 850 x 2100mm high	48	NO		
	Wrot Cyprus or other equal and approved :-				
C	100mm x 50mm Frame with two labours plugged	254	LM		
D	45 x 38mm architrave	508	LM		
E	25mm diameter quadrant	508	LM		
	Supply and fix the following ironmongery with screws to match.				
F	2 Lever mortice lock and set furniture Ref.Union	96	NO.		
G	100mm Brass butts hinges	36	PRS		
H	40mm Diameter rubber door stops	96	NO.		
	Knot, prime, prepare and apply three coats gloss oil paint to:				
J	General surfaces of timber	184	SM		
K	Surfaces between 200mm to 300mm girth	254	LM		
L	Ditto not exceeding 100mm girth	1,016	LM		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5				
	EXTERNAL FINISHINGS				
	Walls				
A	Extra over walling for smooth chisel dressing with flush pointed vertical joints and recessed horizontal joints	1,140	SM		
	12mm thick gauged lime (1:2:9) plaster to :				
B	Beams & columns	2,484	SM		
	Prepare and apply 12mm Thick wall master to				
C	Plastered surfaces of beams & columns	2,484	SM		
TOTAL FOR EXTERNAL FINISHES CARRIED					
TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 6				
	INTERNAL FINISHES				
	Walls				
	Cement and sand (1:4) backing				
A	15 mm thick to receive white glazed wall tiles	464	SM		
	White glazed ceramic tiles bedding and jointing				
B	200 x 250 x 8mm Thick tiles	464	SM		
	Cement and sand (1:3) plaster				
C	12mm Thick to wall surfaces	6,692	SM		
	Prepare and apply three coats first grade plastic				
D	Plastered walls	6,692	SM		
	FLOORS				
	Cement and sand (1:4) screeding smooth				
	32 mm thick cement and sand (1:4) float finished screed backing prepared to receive non-slip ceramic tiles (m/s) jointed and pointed in cement and approved matching grout; colour, quality and pattern to the Project Manager's scheme and approval.	148	SM		
F	300 x 300 x 8mm thick ceramic floor tiles fixed with an approved adhesive on prepared screed(m/s)Cement and sand (1:4) screeding smooth	148	SM		
	28mm thick screed prepared to receive terrazzo finish (m/s)	2,930	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Insitu polished terrazo paving on screeded floor surfaces:				
A	12mm Thick paving to floor	2,930	SM		
B	Ditto 100mm high x 10mm thick skirting	816	LM		
	<u>BALUSTRADING AND RAILING</u>				
C	Staircase Balustrading & Railing comprising 50x50x3mm Mild steel handrail, 25x25x3mm mild steel top and bottom rails and steel handrail, 25x25x3mm mild steel top and bottom rails and welded to 40x40x3mm balusters as per Architect's detail, overall height 900mm	101	LM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page K/17 Brought forward from Above				
	TOTAL FOR INTERNAL FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	REINFORCED CONCRETE SUPERSTRUCTURE.....K/13				
B	WALLING.....K/14				
C	DOORS.....K/15				
D	EXTERNAL FINISHES.....K/16				
E	INTERNAL FINISHES.....K/18				
TOTAL FOR GROUND FLOOR AND 1ST FLOOR CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Insitu concrete; reinforced; class 25 / (20mm); vibrated				
A	Beams	81	CM		
B	Columns	30	CM		
C	Staircases & ramp	16	CM		
D	150mm Suspended slab	1,133	SM		
E	150mm Landings	8	SM		
	Sawn formwork to:				
F	Sides and soffites of beams	1,115	SM		
G	Sides of columns	420	SM		
H	Soffites of suspended slab	1,083	SM		
J	Soffites of landings	8	SM		
K	Sloping soffites of staircases	10	SM		
M	Ditto risers 75-150mm high	27	LM		
N	Raking string edge to staircases 300mm high (extreme) cut and fitted to profile of treads and risers	300	SM		
	Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)				
	High Tensile twisted Steel Reinforcement				
P	20mm ditto	8,730	KG		
Q	16mm ditto	10,450	KG		
R	10mm ditto	19,750	KG		
S	8mm ditto	4,850	KG		
	TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 2				
	WALLING				
	Smooth chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course				
A	200mm Thick walling externally	286	SM		
	Medium chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course				
B	200mm Thick walling internally	64	SM		
C	Ditto but 100mm thick	1,888	SM		
	Clay honycomb jointed with cement sand				
D	200mm thick Extenally Flexcell expansion joint.	670	SM		
E	25mm thick in reinforced concrete walls	15	SM		
F	25mm thick in columns	47	SM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.3</u>				
	<u>DOORS</u>				
	<u>Mild steel Doors</u>				
A	900 x 2550mm high mild steel pannel door comprising of 6 No. Size 300 x 800mm high and 3No. Size 300 x 450mm high 10mm thick glass panels including 900 x 200mm and 900 x 300mm high double plates complete with 100 x 50 x3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primed with red oxide primer before delivery to the site including three lever mortice lock as per 'Union' Ref 2277 or other equal and approved manufacturer	127	NO		
	<u>Flush doors as B.S 459 part 2</u>				
B	45mm thick semi Solid core flush door faced both sides with 6 mm interior quality plywood ready for painting and hardwood lipped all round size 850 x 2100mm high	24	NO		
	Wrot Cyprus or other equal and approved :-				
C	100mm x 50mm Frame with two labours plugged	127	LM		
D	45 x 38mm architrave	254	LM		
E	25mm diameter quadrant	254	LM		
	Supply and fix the following ironmongery with screws to match.				
F	2 Lever mortice lock and set furniture Ref.Union	24	NO.		
G	100mm Brass butts hinges	36	PRS		
H	40mm Diameter rubber door stops	24	NO.		
	Knot, prime, prepare and apply three coats gloss oil paint to:				
I	General surfaces of timber	92	SM		
J	Surfaces between 200mm to 300mm girth	127	LM		
K	Ditto not exceeding 100mm girth	508	LM		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>EXTERNAL FINISHINGS</u>				
	<u>Walls</u>				
A	Extra over walling for smooth chisel dressing with flush pointed vertical joints and recessed horizontal joints	286	SM		
	<u>12mm thick gauged lime (1:2:9) plaster to :</u>				
B	Beams & columns	1,017	SM		
	<u>Prepare and apply 12mm Thick wall master to</u>				
C	Plastered surfaces of beams & columns	1,017	SM		
	<u>TOTAL</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 6				
	INTERNAL FINISHES				
	Walls				
	Cement and sand (1:4) backing				
A	15 mm thick to receive white glazed wall tiles	232	SM		
	White glazed ceramic tiles bedding and jointing				
B	200 x 250 x 8mm Thick tiles	232	SM		
	Cement and sand (1:3) plaster				
C	12mm Thick to wall surfaces	3,386	SM		
	Prepare and apply three coats first grade plastic				
D	Plastered walls	3,386	SM		
	FLOORS				
	Cement and sand (1:4) screeding smooth				
	32 mm thick cement and sand (1:4) float finished screed backing prepared to receive non-slip ceramic tiles (m/s) jointed and pointed in cement and approved matching grout; colour, quality and pattern to the Project Manager's scheme and approval.	74	SM		
F	300 x 300 x 8mm thick ceramic floor tiles fixed with an approved adhesive on prepared screed(m/s)Cement and sand (1:4) screeding smooth	74	SM		
G	28mm thick screed prepared to receive terrazzo finish (m/s)	1,207	SM		
	TOTAL				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	In situ polished terrazo paving on screeded floor surfaces:				
A	12mm Thick paving to floor	1,207	SM		
B	Ditto 100mm high x 10mm thick skirting	349	LM		
	BALUSTRADING AND RAILING				
C	Staircase Balustrading & Railing comprising 50x50x3mm Mild steel handrail, 25x25x3mm mild steel top and bottom rails and steel handrail, 25x25x3mm mild steel top and bottom rails and welded to 40x40x3mm balusters as per Architect's detail, overall ,height 900mm	31	LM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page K/24				
	Brought forward from Above				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION SUMMARY				
A	REINFORCED CONCRETE SUPERSTRUCTURE.....K/20				
B	WALLING.....K/21				
C	DOORS.....K/22				
D	EXTERNAL FINISHE.....K/23				
E	INTERNAL FINISHES.....K/25				
GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Insitu concrete; reinforced; class 25 / (20mm); vibrated				
A	Beams	65	CM		
B	Columns	13	CM		
C	Staircases	6	CM		
D	150mm Landings	4	SM		
	Sawn formwork to:				
E	Sides and soffites of beams	536	SM		
F	Sides of columns	299	SM		
G	Soffites of landings	4	SM		
H	Sloping soffites of staircases	10	SM		
J	Ditto risers 75-150mm high	27	LM		
K	Raking string edge to staircases 300mm high (extreme) cut and fitted to profile of treads and risers	7	LM		
	Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)				
	High Tensile Twisted Steel Reinforcement				
L	20mm ditto	1,600	KG		
M	16mm ditto	8,500	KG		
N	12mm ditto	3,000	KG		
P	8mm ditto	3,750	KG		
	TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	WALLING				
	Smooth chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course				
A	200mm Thick walling externally	338	SM		
	Medium chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course				
B	200mm Thick walling internally	410	SM		
C	Ditto but 100mm thick	396	SM		
	Clay honeycomb jointed with cement sand mortar (1:3) mix				
D	200mm thick Extenally Flexcell expansion joint.	332	SM		
E	25mm thick in reinforced concrete walls	13	SM		
F	25mm thick in columns	41	SM		
					-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>ROOF CONSTRUCTION (PROVISIONAL)</u>				
	<u>Galvanized and curved steel IT4 box profile sheets ; 26 gauge; prepainted</u>				
A	Roof covering; 150mm laps on one end and one and a half corrugation side lap; fixed to angle section purlins with and including J-bolts, nut and neoprene washers.	2,687	sm		
	Accessories, fixing as necessary to roof sheets				
B	150mm dia. Half round ridge cap	20	lm		
C	Do; hip cap	5	lm		
D	Extra over roofing sheets for raking cutting	25	lm		
	<u>STRUCTURAL STEELWORK</u>				
	Unframed; weldable Structural steel to BS 4360 and to the Engineers specifications and approval complete with and including fabricating hoisting and fixing in position approximately 14 metres from the existing ground level, red oxide primer and two coats chlorinated rubber paint, connection details in steel plates, packing pieces and drilled 100 x100 x 100mm thick steel angle cleats welds bolts washers and nuts fish plates and steel angle cleats are to be included in the rates for steelwork in the particular trusses where they occur.				
E	100 x 50 x 4mm thick wall plate	5,637	kgs		
F	100 x 50 x 2mm thick Z-purlins	3,949	lm		
F	75 x 50 x 4mm hip and valley rafters	1,530	kgs		
G	50 x 50 x 6mm truss bracings	423	lm		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Framed; weldable				
	Roof trusses ; spanning 9 to 10metres; hoisting 14metres above ground; all fillet welded; all to structural Engineer,s details and specifications				
A	100 x 50 x 4mm thick rafters	21,805	kgs		
B	75 x 50 x 3mm thick struts and ties	6,248	kgs		
	Sundries				
	Labour and material				
C	250 x 200 x 10mm base plate welded to trusses	224	No		
D	20mm diameter, 250mm long rawl bolts including nut and washer	896	No		
E	Making hole in 100 x 100 x 6mm thick steel plate	896	No		
F	R16mm diameter, 1000mm long anti-sag steel rods including nut and washer The following in wrot cypress	448	No		
G	200 x 25mm thick fascia and barge boards PVC	480	lm		
H	100mm wide Heavy Gauge PVC T&G boarding secret secret nailed to and including 50 x 50mm celcured wrot cypress bearers or brandering at 600mm centres	350	sm		
J	36 mm PVC corner (cornice) nailed to battens	478	sm		
	RAINWATER DISPOSAL				
	26g Galvanised mild steel sheeting				
K	Valley gutter overall 600mm girth bent four times to form 50 x 50mm trough nailed to and including 150 x 50mm sawn celcured cypress trimming ppiece both sides underneath and neatly dressing under roofing tiles	432	lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	24g Galvanised mild steel sheeting; all welds ground smooth				
A	350 x 250mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	112	lm		
B	Extra; bends	24	No		
C	Extra; 100mm dia.outlet 100mm long	24	No		
D	150mm dia. rainwater downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall	432	lm		
E	Extra; swanneck bend with 1135mm projection	24	No		
F	Extra; horse shoe bend Painting and Decorations	24	No		
	Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-				
G	General surfaces of gutters; over 300mm girth external	687	sm		
	Total carried to collection				
	COLLECTION				
	Brought forward from page K/29				
	Brought forward from page K/30				
	Brought forward from Above				
	TOTAL				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>WINDOWS</u>				
A	250 x 25mm Precast concrete window cill bedded <u>Supply, assemble and fix the following purpose- made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish</u>	74	LM		
B	Window overall size 4700 x2100mm high	1	NO		
C	Window overall size 3700 x 2100mm high	15	NO		
D	Window overall size 2800 x 2100mm high	1	NO		
E	Window overall size 1200 x 1200mm high	2	NO		
F	Window overall size 600 x 600mm high	3	NO		
	4mm Thick clear glass and glazing fixed with and including putty to steel windows				
G	Panes 0.1 - 0.5 square metres	137	SM		
	Prepare and apply three coats gloss oil paint to				
H	Glazed surfaces; both sides (measured gross)	274	SM		
J	Ditto grilled surfaces; both sides (measured gross)	274	SM		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.4				
	DOORS				
	Mild steel Doors				
	900 x 2550mm high mild steel pannel door comprising of 6 No. Size 300 x 800mm high and 3No. Size 300 x 450mm high 10mm thick glass panels including 900 x 200mm and 900 x 300mm high double plates complete with 100 x 50 x 3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primed with red oxide primer before delivery to the site including three lever mortice lock as per 'Union' Ref 2277 or other equal and approved manufacturer	36	NO		
	Flush doors as B.S 459 part 2				
B	45mm thick semi Solid core flush door faced both sides with 6 mm interior quality plywood ready for painting and hardwood lipped all round size				
B1	1800 x 2400mm high	3	NO		
B2	1500 x 2400 mm high	1	NO		
B3	900 x 2400 mm high	23	NO		
	Wrot Cyprus or other equal and approved :-				
C	100mm x 50mm Frame with two labours plugged	165	LM		
D	45 x 38mm architrave	330	LM		
E	25mm diameter quadrant	330	LM		
	Supply and fix the following ironmongery with screws to match.				
F	2 Lever mortice lock and set furniture Ref.Union	31	NO.		
G	100mm Brass butts hinges	47	PRS		
H	40mm Diameter rubber door stops	31	NO.		
	Knot, prime, prepare and apply three coats gloss oil paint to:				
J	General surfaces of timber	142	SM		
K	Surfaces between 200mm to 300mm girth	165	LM		
L	Ditto not exceeding 100mm girth	660	LM		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>EXTERNAL FINISHINGS</u>				
	<u>Walls</u>				
A	Extra over walling for smooth chisel dressing with flush pointed vertical joints and recessed horizontal joints	338	SM		
B	12mm thick gauged lime (1:2:9) plaster to : Beams & columns Prepare and apply 12mm Thick wall master to	835	SM		
C	Plastered surfaces of beams & columns	835	SM		
TOTAL FOR EXTERNAL FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6</u>				
	INTERNAL FINISHES				
	Walls				
	Cement and sand (1:4) backing				
A	15 mm thick to receive white glazed wall tiles	206	SM		
	White glazed ceramic tiles bedding and jointing				
B	200 x 250 x 8mm Thick tiles	206	SM		
	Cement and sand (1:3) plaster				
C	12mm Thick to wall surfaces	1,944	SM		
	Prepare and apply three coats first grade plastic				
D	Plastered walls	1,944	SM		
	FLOORS				
	Cement and sand (1:4) screeding smooth				
E	32mm thick screed prepared to receive non-ceramic tiles (m/s)	74	SM		
F	32mm thick screed prepared to receive ceramic tiles (m/s)	235	SM		
	Non-slip ceramic floor tiles as 'Saj Ceramics' or other equal and approved jointed and pointed with matching cement sand (1:4) mortar: colour quality and pattern to the Project Manager's scheme in;				
G	300 x 300 x 8mm thick ceramic floor tiles fixed with an approved adhesive on prepared screed(m/s)	74	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ceramic floor tiles as 'Saj Ceramics' or other equal and approved jointed and pointed with matching cement sand (1:4) mortar: colour quality and pattern to the Project Manager's scheme in;				
A	300 x 300 x 8mm thick porcelein floor tiles fixed with an approved adhesive on prepared screed(m/s)	235	SM		
B	Ditto 100mm high x 10mm thick skirting Cement and sand (1:4) screeding smooth	271	LM		
C	28mm thick screed prepared to receive terrazzo finish (m/s) Insitu polished terrazo paving on screeded floor surfaces:	774	SM		
D	12mm Thick paving to floor	774	SM		
E	Ditto 100mm high x 10mm thick skirting	481	LM		
	BALUSTRADING AND RAILING				
F	Staircase Balustrading & Railing comprising 50x50x3mm Mild steel handrail, 25x25x3mm mild steel top and bottom rails and steel handrail, 25x25x3mm mild steel top and bottom rails and welded to 40x40x3mm balusters as per Architect's detail, overall ,height 900mm	11	LM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page K/35 Brought forward from Above				
	TOTAL FOR INTERNAL FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION			AMOUNT
	SECTION SUMMARY A REINFORCED CONCRETE SUPERSTRUCTURE.....K/27 B WALLING.....K/28 B ROOF WORK.....K/31 C WINDOWS.....K/32 D DOORS.....K/33 E EXTERNAL FINISHES.....K/34 F INTERNAL FINISHES.....K/36			
TOTAL FOR 3RD FLOOR CARRIED TO GRAND SUMMARY				

BILL NO1: ACCESS ROAD AND PARKING

Item	Description	Unit	Qty	Rate	Amount
	ROADWORKS				
	SITE CLEARANCE (PROVISIONAL)				
A	Clear site of all trees, bushes, shrubs, grub up roots and dispose as directed by the Project Manager.	SM	1,100		
	Earthworks				
B	Excavate top vegetable soils n.e. 0.2m deep. and dispose as directed by the Project Manager	SM	1,100		
C	Excavate to formation level, n.e 1.0m average depth 0.7m.	CM	800		
D	Extra over item B for excavation in rock class 1.	CM	300		
E	Imported murrum fillings: spread levelled and compacted in 150mm (layers to 95% MDD AASHTO 180)	CM	880		
F	Load and cart away extra excavated material from site.	CM	220		
G	Trim and compact formation to correct crossfalls.	SM	1,100		
H	Treat the surface with approved herbicide.	SM	1,100		
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO1: ACCESS ROAD AND PARKING

Item	Description	Unit	Qty	Rate	Amount
	Paving				
A	Provide, lay and compact 150mm thick approved murrum for sub-base to 98% M.D.D.	SM	1,100		
B	Provide, lay and compact 150mm thick approved hand packed stone base to 98% M.D.D specifications.	SM	1,100		
C	Provide and spread on hand packed stone 50mm thick stone dust ready to receive medium duty interlocking precast paving blocks.	SM	1,100		
D	Provide,lay and compact including stone dust 60mm thick heavy duty interlocking paving blocks (min strength 45N/mm ²).	SM	1,100		
	Kerbs and channels				
E	Provide, lay and joint along the edge of the road and parking 250x125mm kerb and 125x100mm channel, including 450x350mm concrete bed and haunch (mix 1:3:6) and any necessary formwork to detail (50) 5332 'B'	LM	110		
F	Ditto but curved to varying radii as shown on the plan.	LM	30		
	Kerbs Only				
G	Provide, lay and joint along the edge of the road and parking 250x125mm kerb including 350x325mm concrete bed and haunch (mix 1:3:6) and any necessary formwork to detail (50) 5332 'A'				
H	Ditto but curved to varying radii as shown on the plan.	LM	30		
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO1: ACCESS ROAD AND PARKING

Item	Description	Unit	Qty	Rate	Amount
	Channels Only				
A	Provide, lay and joint 200x100mm precast concrete channel including 200mm thick concrete bed and haunch, mix 1:3:6, any necessary excavation, formwork and disposal of surplus material.	LM	40		
B	Provide and apply three coats of approved reflective road marking paint white/black in colour in strips of 100mm wide as directed by the Engineer.	SM	70		
C	Ditto item H above but yellow in colour.	SM	10		
D	Allow a provisional sum of Three Hundred Thousand (Ksh 300,000) for any additional road worksworks.	ITEM			
TOTAL CARRIED TO COLLECTION PAGE CIV					-
<p>COLLECTION PAGE Brought forward from page CIV 1 Brought forward from page CIV 2 Brought forward from page CIV 3</p>					
TOTAL CARRIED TO SUMMARY					

BILL NO 2 STORM WATER DRAINAGE

Item	Description	Unit	Qty	Rate	Amount
	Open storm water drain				
A	Excavate trench for 450x225mm external dimension Pcc IBD not exceeding 0.7m (average depth 0.45m) including trimming sides to slope and disposal of surplus material to detail (50) 5329 'B'.	CM	90		
B	Ditto but average depth 1.0m ditto.	CM	20		
C	Ditto but average depth 1.5m ditto.	CM	10		
D	Provide, lay and compact 100mm thick murrum bed and on sloping sides of the IBD to detail (50) 5329' B'.	CM	20		
E	Provide, lay and joint 450x225mm external dimensions Pcc IBD to detail (50) 5329.	LM	120		
F	Provide, lay and joint 600x225x75mm Pcc side slabs to detail (50) 5329' B'.	SM	120		
	Culvert				
G	Excavate in trench for 600mm diameter precast concrete pipes, backfill and compact after laying of pipes and cart away surplus excavated materials.	CM	12		
H	Provide, lay and joint 600mm diameter precast concrete pipes including 100mm thick concrete necessary formwork.	LM	12		
	Stone pitching				
I	Provide all materials and stone pitch the edge of the storm drain and other sloping surfaces as directed by the Engineer.	SM	200		
	Headwalls				
J	Provide all materials and construct head walls to detail (50) 5318 including excavations,150mm dispose excess material.	No.	2		
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO 2 STORM WATER DRAINAGE

Item	Description	Unit	Qty	Rate	Amount
	Grated Drain				
A	Excavate to required depths and slopes the drainage trench for shallow IBD, depth n.e. 1.5m	CM	280		
B	Load and cart away all surplus excavated materials and spread elsewhere on site as directed.	CM	180		
C	Trim and compact the trenches to correct falls.	SM	120		
D	Provide , place and compact 70mm thick imported approved granular materials as specified on detail Drg (50)5353	CM	80		
E	Provide, mix and place 100 mm thick concrete (mix 1:3:6) as storm water IBD blinding on murrum base as specified on detail Drg (50)5352 .	CM	10		
F	Provide, lay and joint Ø 300 mm by 225 x 450 x 600 IBD on base prepared as item F and as specified in detail Drg (50) 5352.	LM	120		
G	Provide materials for and erect 150mm thick masonry walling for the drain as per Drg.No. (50) 5352	SM	180		
H	Provide and install 600mm x 350mm deep galvanized cover grating consisting of 50mmx10mm thick flats welded to it at 25mm c/c and edges to detail (50)5359.	Kg	4,000		
J	Provide and install deep galvanized 50x6mm angle frame along the channel to detail (50)5359.	Kg	2,000		
K	Prepare and apply one coat red oxide primer and two coats bituminuous paint to surfaces of metal grating (both sides measured flat overall) and the angle frames.	SM	880		
	Storm water drainage around the buildings.				
L	Provide, lay and joint 800x500x175mm precast concrete Storm Water Channel including 50mm thick concrete bed, mix 1:3:6, any necessary excavation, formwork and disposal of surplus material to detail (50) 5353.	LM	290		
M	Allow a provisional sum of One Hundred Thousand (Ksh 100,000) for any additional storm water drainage works.	ITEM			
	TOTAL CARRIED TO COLLECTION PAGE CIV				

Item	Description				Amount
	<p>BILL NO2:</p> <p>STORM WATER DRAINAGE</p> <p>COLLECTION PAGE</p> <p>Brought forward from page CIV 4</p> <p>Brought forward from page CIV 5</p>				
	TOTAL CARRIED TO SUMMARY				

BILL NO 3: FOOTPATHS AND PAVING SLABS ROUND THE BUILDING

Item	Description	Unit	Qty	Rate	Amount
	FOOTPATHS.				
A	Remove vegetable soil average depth 150mm and dispose as directed by Engineer	SM	360		
B	Excavate to reduce levels, not exceeding 1.5m deep.	CM	120		
C	Load and cart away extra excavated material from site.	CM	180		
D	Provide, lay and compact approved murrum base.	CM	40		
E	Provide and apply persistent herbicide.	SM	360		
F	Provide, lay and joint in cement mortar 600x600x50mm precast concrete paving slabs including 50mm thick sand bed.	SM	360		
	PAVING SLABS ROUND THE BUILDING				
G	Clear area around the building and trim surfaces above to achieve reduced levels and cart away excavated material to tips as directed. Depth n.e 0.2m.	SM	300		
H	Provide, lay and compact 100mm hardcore filling.	SM	300		
I	Provide, lay and compact 50mm concrete (mix 1:4:8) blinding.	SM	300		
J	Provide, lay and joint in cement sand mortar (mix 1:4) 600 X 600 X 50mm precast concrete paving slabs.Drg. (50) 5353.	SM	300		
	TOTAL CARRIED SUMMARY				

BILL NO 4: FOUL DRAINAGE SYSTEM

Item	Description	Unit	Qty	Rate	Amount
	Excavation for drain trenches and remove surplus excavated material from site.				
A.	Excavate trench for 160mm diameter pipe and bed under not exceeding 1.50m deep from ground level average depth 1.0m	CM	120		
B.	Ditto but average depth 1.5m	CM	100		
C.	Ditto but average depth 2.0m	CM	100		
D.	Ditto but average depth 3.0m	CM	120		
	PIPE WORK				
E	Provide, lay and joint 160mm diameter UPVC pipe (Class 41 Golden brown) including 100mm approved material bedding and 150mm surround to detail (50) 5310 'F'.	LM	200		
F	Ditto; but including 150mm concrete bedding and surround to detail (50) 5310 'C'	LM	20		
	MANHOLES.				
	Excavation				
	Manhole Type A&B (7No.)				
G	Excavate in pit for rectangular manhole type A&B as per details (50)5300 and (50)5301,return fill and ram selected material after construction of manholes and cart away surplus material	CM	10		
	Manhole TypeC (3No.)				
H	Ditto, but rectangular manhole type C detail (50)5302 depth exceeding 1.0m but n.e 1.5m.	CM	10		
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO 4: FOUL DRAINAGE SYSTEM

Item	Description	Unit	Qty	Rate	Amount
	CONSTRUCTION				
	Concrete class P (mix 1:4:8)				
A.	Provide all materials, mix and place 50mm thick concrete as blinding for manholes.	CM	1		
	Concrete class 15 (mix 1:3:6)				
B.	Provide all materials, mix and place 150mm thick base slab for manholes.	CM	1		
C.	Ditto but 200mm thick	CM	5		
	Vibrated reinforced concrete class 20/20 (mix 1:2:4)				
D.	Provide all materials, mix and place 100mm thick concrete class 20 as cover slab for manholes.	CM	1		
E.	Ditto but 150mm thick.	CM	1		
	Concrete class 20 (mix 1:2:4)				
F	Provide all materials, mix and place concrete class 20 as benching for 160mm diameter pipe. Include for forming the main and branch channels as well as finishing benching to falls and building-in pipes as per detailed drawings.	CM	1		
	WALLING.				
G	Provide, lay and joint 150mm thick approved concrete block or dressed natural stone walling to manholes types A and B details (50) 5300 and (50)				
		5301	SM	26	
H	Ditto but 200mm thick for typesC detail (50)5302		SM	24	
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO 4. : FOUL WATER DRAINAGE SYSTEM

Item	Description	Unit	Qty	Rate	Amount
	Mild Steel Reinforcement Bars to B.S 4449.				
A	Provide 8mm diameter bars for cover slab to detail (50) 5309.	KG	100		
	Step Iron.				
B	Provide and fix deep galvanized malleable iron as step iron to B.S 1247 as per detailed drawings.	NO.	32		
	Rendering.				
C	Provide 12mm thick water proof cement and sand (mix 1:3) steel float finished rendering to walls.	SM	50		
D	Ditto but to cover slab.	SM	10		
E	Provide 12mm thick cement and sand (mix 1:1) water proof rendering trowelled smooth to surface of benching.	SM	10		
	C.I Manhole Cover and Frame to B.S 497 & B.S				
F	Provide and fix 600 X 450mm medium duty C.I manhole cover and frame and grease to detail 50 (5313).	NO.	10		
G	Allow for testing of the whole foul drainage system in the presence of the Engineer/Project Manager and make good any defects, re-test as necessary and leave the whole system perfect and to the satisfaction of the Engineer/Project Manager	ITEM			
H	Allow a provisional sum of Two Hundred Thousand (Ksh 200,000) for any additional foul water drainage works.	ITEM			
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO 4: FOUL DRAINAGE SYSTEM

Item	Description	Unit	Qty	Rate	Amount
	45,000 LITRES CAPACITY SEPTIC TANK				
	Excavation				
	Excavate in pit for septic tank starting from ground level.				
A	Depth not exceeding (n.e) 1.5m	CM	121		
B	Ditto, depth not limited to (n.t.l) 1.5m but n.e 3.0m.	CM	120		
C	Ditto, depth not limited to 3.0m.but n.e 4.5m.	CM	27		
D	Trim bottom of excavated surface	SM	43		
E	Extra over for excavation in rock class 1	CM	15		
F	Ditto but rock class III	CM	25		
G	Cart away surplus excavated materials from site and spread 100m away.	CM	105		
H	Return fill and ram selected approved material around external sides of septic tank.	CM	163		
	Concrete Class 15 (Mix 1:3:6)				
J	Mix and place 50mm concrete blinding.	SM	39		
	Vibrated reinforced concrete class 20/20 (mix 1:2:4)				
K	Mix and place 200mm thick concrete in base slab.	CM	7		
L	Ditto, but in 250mm thick wall	CM	19		
M	Ditto, but in 200mm thick wall	CM	5		
N	Ditto, but in 150mm thick scum baffle wall.	CM	6		
P	Ditto, but in 200mm thick suspended cover slab	CM	7		
	Mild Steel Reinforcement to B.S 4449				
Q	8mm diameter bars.	Kg	110		
	High yield square twisted reinforcement steel to B.S 4461				
R	10mm diameter bars	Kg.	143		
S	12mm diameter bars	Kg.	1,676		
T	16mm diameter bars	Kg	1,848		
	TOTAL CARRIED TO COLLECTION PAGE CIV				

LL NO. FOUL DRAINAGE SYSTEM CONT'D

ITEM	DESCRIPTION	UNIT	QTY	RATE KShs	AMOUNT (KSHS)
	BRC Mesh reinforcement to B.S 1483				
A	BRC mesh No.65/66	SM	9		
	Formwork				
	Sawn formwork to:	SM	86		
B	Interior sides of vertical walls	SM	90		
C	External sides of vertical walls	SM	34		
D	Soffit of suspended slab	SM	9		
E	Sides of suspended slab, 150mm-225mm wide	SM	2		
F	Edge of ground slab 150-225mm ditto	SM	2		
G	Ditto to sides of entry and exit manholes	SM	3		
H	Boxing in formwork to form opening in cover slab for 600 x 450mm manhole cover and frame, 150- 225mm wide.	SM	32		
	Water Proof Cement Rendering				
J	12mm thick sulphate resting cement sand (mix 1:3) to base slab.	SM	108		
K	Ditto to sides of vertical walls.	SM	95		
L	Provide and apply bituminous water proofing membrane on external walls as per the manufacturer's specifications	SM	95		
M	Supply and fix medium duty, cast iron manhole cover size 600x450mm complete with frame including greasing before fixing.	NO	4		
	DISTRIBUTION MANHOLES.				
	Excavate pit for rectangular distribution manhole as per detailed drawing No. (50) 5351.				
N	Depth n.e 1.5m	CM	4		
P	Ditto, depth n.l.t 1.5m but n.e 2.0m	CM	2		
	Concrete Class 15 (mix 1:3:6)				
Q	Mix and place 50mm thick blinding to manholes.	SM	3		
	Vibrated concrete class 20/20 (mix 1:2:4)				
R	Mix and place 150mm thick concrete class 20 as base slab.	CM	1		
S	Ditto, in 150mm thick reinforced concrete cover slab	CM	1		
	Walling				
T	200mm thick dressed natural stone.	SM	20		
U	12mm thick waterproof cement rendering to vertical walls and base slab.	SM	22		
	Mild Steel reinforcement to B.S 4449				
V	8mm diameter bars.	Kg.	22		
	TOTAL CARRIED TO COLLECTION PAGE CIV				

BILL NO. 04 FOUL DRAINAGE SYSTEM CONT'D

ITEM	DESCRIPTION	UNIT	QTY	RATE KShs	AMOUNT KShs
	SOAKPITS				
A	Excavate all unsuitable soils from soakage area and cart away as directed.	CM	10		
B	Provide red or similar approved soils and backfill pit and compact as required.	CM	10		
C	Excavate trench for 160mm Ø Upvc pipes (ISO class 41), backfill and ram after laying of pipes and cart away surplus material to tips as directed by the Engineer. Average depth 2.0m	LM	45		
D	Excavate pit for 5No. Circular soak-pit internal Ø 1.2m, backfill after construction and cart away surplus material. Depth, n.e. 6.5m	CM	35		
E	E.O. for excavation in rock. Class 111	CM	20		
F	Ditto but class 1	CM	10		
G	Provide all materials for and construct soak pits as	No.	5		
H	Allow for a Provisional Sum of KShs. 200,000.00 for any additional foul drainage works	SUM			
	TOTAL CARRIED TO COLLECTION PAGE CIV				

FOUL DRAINAGE SYSTEM

BILL NO4:

Item	Description				Amount(Kshs)
	<p>COLLECTION PAGE</p> <p>Brought forward from page CIV 8</p> <p>Brought forward from page CIV 9</p> <p>Brought forward from page CIV 10</p> <p>Brought forward from page CIV 11</p> <p>Brought forward from page CIV 12</p> <p>Brought forward from page CIV 13</p>				
	TOTAL CARRIED TO SECTION SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE KShs	AMOUNT KShs
	<p>SECTION SUMMARY PAGE</p> <p>Bill No. 01 Carried forward from page CIV 3</p> <p>Bill No. 02 Carried forward from page CIV 6</p> <p>Bill No. 03 Carried forward from page CIV 7</p> <p>Bill No. 04 Carried forward from page CIV 14</p>				
	<p>ADD 16% VAT</p>				
	<p>TOTAL FOR CIVIL WORKS CARRIED TO GRAND SUMMARY</p>				

ITEM	DESCRIPTION			AMOUNT (KSHS)
	PRIME COST SUMS			
A	Provide a prime cost sum Kenya shillings Twenty seven Million and five hundred thousand only (Kshs 27,500,000/=) only for Electrical Installation Works.	1	SUM	27,500,000
B	Provide a prime cost sum Kenya shillings One Million and five hundred thousand only (Kshs 1,500,000/=) only for 4 No. Security and street lighting Works. With all it necessity.	1	SUM	1,500,000
C	ADD for profit%		%	-
D	ADD for attendance.....%		%	-
E	Provide a prime cost sum Kenya shillings Seven Million four Hundred and eighty Thousand (Kshs 7,480,000/=) only for Generator InstallationWorks			7,480,000
F	ADD for profit%		%	-
G	ADD for attendance.....%		%	-
H	Provide a prime cost sum Kenya shillings Twenty five Million only (Kshs 25,000,000/=) only for Sanitary Fittings, Internal Plumbing & Drainage, Water Reticulation, sewerage disposal and Fire Protection Installation.	1	SUM	25,000,000
I	ADD for profit%		%	-
J	ADD for attendance.....%		%	-
K	Provide a prime cost sum Kenya shillings Twenty Two four Million nine Hundredseventy Thousand (Kshs 24,970,000/=) only for Cold Room Installations.	1	SUM	24,970,000
L	ADD for profit%		%	-
M	ADD for attendance%		%	-
	PC/1			
	Total carried to collection			

ITEM	DESCRIPTION				
A	Provide a prime cost sum Kenya shillings Four Million Seven Hundred and Ten Thousand (Kshs 4,710,000/=) only for Bore Hole Drilling and Equipping.	1	SUM		4,710,000
B	Provide a prime sum of 2No. High level water storage tank as " Braithwaite " or approved equivalent made of 6mm thick ressed, hot-dip galvanised mild steel sectional plates, and of size 1000mm x 1000mm Free board capacity of tank to be 30,000 litres of preferred dimensions 3,000 x 3,000 x 3,000 mm. high. with all necessary pipe work needed	2	NO		
C	<p>LANDSCAPING</p> <p>Allow a sum of Kenya shillings Two million and five hundred only (2,500,000) for landscaping</p> <p>ADD for profit%</p> <p>ADD for attendance.....%</p>	1	SUM		2,500,000
	Total carried to collection				
	<p>COLLECTION</p> <p>Brought forward from page PC/1</p> <p>Brought forward from Above</p>				
	TOTAL PRIME COST SUMS CARRIED TO GRAND SUMMARY				

POWER HOUSE

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	GENERATOR HOUSE				
	SUB-STRUCTURES				
A	Clear the site of all bushes, short trees, grass undergrowth and the like and burn the ensuing.	87	SM		
	Excavation and Earth Works.				
B	Excavate topsoil average 200mm deep wheel and deposit spoil 50 meters away in soil heaps.	87	SM		
C	Excavate to reduce levels not exceeding 1.5 metre deep from stripped level; load in spoil heaps	131	CM		
D	Ditto exceeding 1500mm deep but not exceeding 3000mm deep; ditto	131	CM		
F	Excavate for Cable trenches in compacted hardcore/murram.	50	CM		
G	Allow for keeping excavations free from mud and all water including spring and running water by pumping piling or other approved means.	1	ITEM		
H	Allow for planking and strutting to sides of excavations.	1	ITEM		
	Filling				
I	Return fill and ram selected excavated materials around foundations, water and compact to approval	100	CM		
J	Supply, lay and consolidate imported red soil, fill to make up levels in 150mm thick layers, well watered and compacted to approval.	40	CM		
K	Ditto murram filling	223	CM		
	Hardcore.				
L	Supply and handpick 300mm thick imported hardcore fill including levelling and consolidating in 150mm layers.	26	CM		
M	Remove excavated spoil from site to an area agreed with the local authority.	349	CM		
N	Excavate for Cable trenches in compacted hardcore/murram.	50	SM		
	Carried To collection				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>Blinding</u>				
A	50mm Thick quarry dust blinding to the surface of hard core; rolled smooth to receive polythene sheeting (m.s).	75	SM		
	<u>Insecticide treatment</u>				
B	"TERMIDOL" or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	75	SM		
	<u>DAMP PROOFING MEMBRANE</u>				
	<u>1000 Gauge polythene sheeting; 150mm laps; measured overall; no allowance made for laps.</u>				
C	Horizontal; over 300mm wide.	75	SM		
	<u>In-situ concrete work</u>				
	<u>Mass concrete (1:3:6/15-38mm aggregate)</u>				
D	50mm thick blinding under strip foundations	30	SM		
E	Ditto under column bases.	12	SM		
	<u>Vibrated reinforced concrete (1:2:4/20-20mm aggregate), minimum crushing strength as specified in:</u>				
F	Strip foundations	6	CM		
G	Column bases	4	CM		
H	Columns	1	CM		
I	150mm Thick ground floor slab	75	SM		
J	Ground beam	3	CM		
K	200mm Cable trenches- sides and bottom	7	CM		
	<u>Mesh reinforcement</u>				
L	Fabric mesh reinforcement to B.S. 4483 ref: A142 including laps, tying wire and spacer blocks complete (measured nett-allow for laps in prices) in cable trenches only Double	75	SM		
	Carried To collection.				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>Steel reinforcement</u>				
	<u>Supply and fix reinforcement bars including bending, provision of hooks, tyingwire, cutting, spacers and supporting all in position as specified.</u>				
	<u>High tensile square twisted bars to B.S.4461</u>				
A	8mm Diameter	222	KG		
B	10mm Diameter	93	KG		
C	12mm Diameter	178	KG		
C	16mm Diameter	677	KG		
	<u>Sawn cypress formwork to:</u>				
E	Vertical sides of foundations	20	SM		
F	To column bases	13	SM		
G	Columns	21	SM		
H	Edge of ground floor slab 75-150mm high	40	LM		
I	Ground Beam	60	SM		
	<u>Foundation walling in approved natural stones; bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron at every alternate course as specified.</u>				
J	200mm thick walls	140	SM		
	<u>Plinth area finishes</u>				
K	12mm Thick cement and sand (1:3) wood float render to plinth area.	12	SM		
L	Prepare and apply three coats black bitumastic paint to rendered area.	12	SM		
M	50mm thick sand bed on blinded hardcore (m.s) to receive pcc paving slabs.	48	SM		
N	Supply and lay 600x600x50mm thick precast concrete paving slabs, jointed in cement:sand mortar; mix 1:3.	48	SM		
	CARRIED TO COLLECTION				
	COLLECTION. Brought Forward From CHRB/1 Brought Forward From CHRB/2 Brought Forward From Above				
	TOTAL SUBSTRUCTURE CARRIED TO SUMMARY				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>ELEMENT NO. 2</u>				
	<u>CONCRETE SUPERSTRUCTURE.</u>				
	<u>Vibrated reinforced concrete class 25/20 (1:1.5:3) to:</u>				
A	Beams	3	CM		
B	Columns	1	CM		
C	150mm Thick Slab	100	SM		
	<u>High yield square twisted bars reinforcements including tying wires.</u>				
D	8mm Diameter bars	478	KG		
E	10mm Bars	565	KG		
F	12mm Diameter bars	178	KG		
F	16mm Diameter bars	165	KG		
	<u>Sawn cypress formwork including support props to:</u>				
H	Beams	60	SM		
I	Columns	22	SM		
J	Soffits of suspended slab.	100	SM		
K	Edge of slab 150mm high	40	LM		
	TOTAL CONCRETE SUPER STRUCTURE CARRIED TO SUMMARY				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>ELEMENT NO. 3 WALLING. EXTERNAL WALLING.</u>				
	<u>Machine cut natural stone walling jointed in cement: sand mortar mix 1:3 including 25x4mm thick hoop iron at every alternate courses.</u>				
A	200mm thick walling.	33	SM		
B	Supply and fix 200x50mm thick precast concrete louvre vent blocks; jointed in cement sand mortar.	59	SM		
	<u>INTERNAL WALLING.</u>				
	<u>Machine cut natural stone walling jointed in cement/sand mortar as before described.</u>				
C	200mm thick walling.	28	SM		
D	100mm Thick ditto	30	SM		
	<u>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</u>				
E	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	43	LM		
F	100mm Ditto	20	LM		
	TOTAL SUPER STRUCTURE WALLING CARRIED TO SUMMARY				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>ELEMENT NO. 4</u>				
	<u>ROOFING AND RAINWATER GOODS. (ALL PROVISIONAL)</u>				
	<u>ROOF COVERING.</u>				
	<u>Supply & fix IT4 deep profiled resincoat sheets; gauge 28 GCI roof sheets, fixed to purlins with nails with rubber capped tops to details.</u>				
A	27.5° pitched roof to Architect's approval	94	SM		
B	Do. standard ridge cap	16	LM		
	<u>ROOF STRUCTURE.</u>				
	<u>Structural grade timbers; sawn cypress pressure impregnated.</u>				
C	100x50mm wall plate bolted to ring beam with 12mm thick crawl bolt @ 900centres	32	LM		
D	75x50 purlins.	96	LM		
E	150x50mm common rafters	150	LM		
	<u>The following in roof trusses; including hoisting and fixing in position.</u>				
F	150x50mm rafters	42	LM		
G	150x50mm ceiling joist	35	LM		
H	100x50mm ties and struts	40	LM		
I	200x50mm ridge board	16	LM		
J	Bore 50mm timber for 12mm diameter bolts	72	NO		
	<u>The following in grade 1 wrot cypress, selected, kept clean.</u>				
K	225x25mm fascia board ; 2 labours	32	LM		
L	115x25mm T & G eaves and barge boarding; secret nailed on and including 50x50 mm bearers and framings; Jointed in 25mm widths, finished in 3 coats clear polyurethane lacquer.	4	SM		
	Total Carried to Collection.				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>Metal work</u>				-
A	12mm Diameter bolt 125 mm long; hexagonal head; nut and two washers.	30	NO		
B	16mm Diameter bolt 125 mm long; hexagonal head; nut and two washers.	42	NO		
	<u>RAINWATER GOODS.</u>				
C	Supply and fix 150x150mm galvised mild steel sheet gutter gauge 24 bent and fixed to fascia with clips to details.	32	LM		
D	Extraover for angles	4	NO		
E	Extraover for gutter ends	4	NO		
F	Make or perforate holes to gutter for 100mm diameter downpipe.	4	NO		
G	75mm diameter UPVC rain water downpipe fixed to wall with UPVC clips at 900centres.	10	LM		
H	Extra over downpipe for swanneck projecting 600mm.	4	NO		
I	Ditto for shoe.	4	NO		
	<u>PAINTING & DECORATING.</u>				
J	Treat back of timber generally before fixing.	36	SM		
K	Knot, prime, stop and apply undercoat and two finishing coats of gloss paint to general	36	SM		
	Total Carried to Collection.				
	COLLECTION.				
	Brought down from page CHWR/7				
	Brought down frompage CHER/8				
	TOTAL ROOF CARRIED TO SUMMARY.				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>ELEMENT NO. 6 DOORS.</u>				
A	<u>Mild steel louvred door</u> Double door size 2400x2100mm high, overall	3	NO		
I	<u>Painting and Decorating</u> Prepare and apply three coats of premium quality gloss oil paint to metal door surfaces.	30	SM		
	Total Carried to Collection				
	<u>DOORS COLLECTION</u> Brought down from page CHBR /13 Brought down from Above				
	TOTAL DOORS CARRIED TO SUMMARY.				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>ELEMENT NO. 7 INTERNAL FINISHES.</u>				
	<u>FLOOR FINISHES.</u>				
A	20mm thick cement: sand 1:3 screed to granolithic base, 20mm thick granolithic paving, ground smooth and polished to approval, including dividing strips and non-slip inserts where necessary.	75	SM		
B	100x20mm terrazzo skirting.	60	LM		
C	6mm thick chequered plate on top of cable trenches	14	SM		
D	50x50x4mm thick mild steel angle bar	45	LM		
	<u>WALL FINISHES.</u>				
E	Plaster; 9mm first coat of cement, lime and sand (1:2:9); 4mm second coat of cement lime and sand (1:1:6); steel trowelled; to walls	127	SM		
F	Ditto to beams.	30	SM		
G	Ditto to columns.	11	SM		
H	200x250x6mm premium quality glazed ceramic wall tiles, approved colour; matt finish; to regular pattern on 18mm thick cement sand backing (1:4), on cement slurry and grouting joints with matching coloured cement	14	SM		
I	Extra over tiles for pvc edge stripping.	45	LM		
	<u>PAINTING AND DECORATION.</u>				
J	Prepare and apply an undercoat and three finishing coats of silk vinyl matt emulsion paint to plastered walls.	127	SM		
K	Ditto to beams and columns	41	SM		
	TOTAL FOR INTERNAL FINISHES CARRIED TO SUMMARY.				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount (Kshs)
	<u>ELEMENT NO. 8</u>				
	<u>EXTERNAL FINISHES.</u>				
	<u>WALL FINISHES.</u>				
B	Supply labour and material for key pointing to masonry walls in cement/sand 1:3 mortar.	24	SM		
C	12mm thick cement and sand (1:3) wood float render to suspended slab.	100	SM		
D	Ditto to concrete gutter	50	SM		
E	Ditto, Columns	11	SM		
F	Ditto, edges of slabs, 75-150mm high	40	LM		
G	Prepare and apply three coats exterior quality silk emulsion paint to slab	100	SM		
H	Ditto, edges of slabs, 75-150mm high	40	LM		
I	Allow a Provisional sum of Kenya Shillings Two Hundred Thousand (Kshs.200, 000.00) for Builders Work in connection with Building Services Work.	1	SUM		
	TOTAL FOR EXTERNAL FINISHES CARRIED TO SUMMARY				-

	TOTAL FOR PROVISIONAL ITEMS CARRIED TO SUMMARY				
	<u>SUMMARY PAGE.</u>				
A	SUBSTRUCTURES				
B	CONCRETE SUPERSTRUCTURE				
C	WALLING				
D	RAIN WATER GOODS.				
E	DOORS.				
F	INTERNAL FINISHES				
G	EXTERNAL FINISHES				
	TOTAL BUILDERS WORK FOR POWER HOUSE CARRIED TO MAIN SUMMARY				

PERIMETER FENCE

ITEM	DESCRIPTION	BOQ QTY	UNITS	RATE	BOQ AMOUNT (KSHS)
	<u>(PROVISIONAL)</u>				
	<u>EXCAVATIONS</u>				
A	Excavate foundation pits and trenches commencing at stripped level and not exceeding 1.5 m deep.	153	CM		
B	Ditto to column bases	126	CM		
C	Allow for excavation in all types of rock	75	CM		
	<u>FILLINGS / DISPOSAL</u>				
D	Return fill in and ram selected excavated material around foundations.	279	CM		
E	Remove surplus excavated material from site	75	CM		
	<u>CONCRETE WORK</u>				
F	50mm Thick surface blinding under footings and column bases	153	SM		
	<u>In situ concrete class 25/20 , vibrated and reinforced as described, in:-</u>				
G	Strip foundations	31	CM		
H	Column bases	126	CM		
I	Substructure column Superstructure columns	84	CM		
J	Ground beam 200 x 300mm high	18	CM		
	<u>REINFORCEMENT</u>				
	Reinforcement in different sizes in structural concrete work all in accordance with the Engineer's details and approval including all cutting, bending, laying and binding wire to;				
K	16mm barsmm bars	5,760	Kg		
L	12mm bars	7,130	Kg		
M	8mm bars	4,750	Kg		
	<u>SAWN FORMWORK TO:-</u>				
N	Vertical sides of columns bases and columns	420	SM		
O	Sides of Conrete footings	244	SM		
	<u>MASONARY WORK</u>				
	Load bearing Natural stone walling, jointed in cement and sand (1:3) mortar and including hoop-iron reinforcement at alternate courses : 10mm				
P	200mm Thick walling	1,068	SM		
	TOTAL CARRIED TO COLLECTION				

PERIMETER WALLING CONT'D

ITEM	DESCRIPTION	QTY	UNITS	RATE	AMOUNT (KSHS)
	<u>COPING</u>				
A	300 x 75mm thick concrete coping weathered and throated on boundary wall	305	Lm		
B	Dome shaped precast concrete coping weathered and throated on R.C. columns.	150	No		
	<u>MILD STEEL GRILLES</u>				
C	Average 950mm high mild steel grilles comprising of 50 x 50x2.0mm SHS horizontal members overall length 6000mm and R25 bars overall length 14000mm any necessary accessories including spray painting with approved metallic automotive paint, all to the satisfaction of the Architect.	50	NO		
	<u>PLASTERING</u>				
	15mm Cement and sand (1:3) render on stone or concrete work on:				
D	Concrete columns	252	m2		
E	Ditto horizontal pointing to masonry walling	1,830	m2		
	<u>PAINTING AND DECORATING</u>				
	Prepare and apply three coats black bituminous paint to:-				
F	Rendered concrete or stone surfaces	252	m2		
	<u>GATES</u>				
	Supply and fix the following purpose made mild steel gates with standard "Z" section framing including all coupling mullions etc;and complete with and other ironmongery; factory primed with red oxide primer including cutting and pining fixing lugs to concrete or masonry work jambs: bedding in cement and sand (1:3) mortar, pointing all frames in mastic, easing, oiling and adjusting opening leaves on completion.				
G	Side hung vehicular gate; double leaf overall size 6500mm wideX 2400mm high in 2No. Equal openable leaves, manually controlled with sliding gears as per Architects details.	2	No		
H	Ditto pedestrian gate overall size 1200mm wide X 2400mm high as per Architects details.	2	No		
	SUB TOTAL				
	<u>COLLECTION</u>				
	From Page previous page				
	From Above				
	TOTAL CARRIED TO MAI SUMMARY PAGE				

REFUSE BIN

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PROPOSED REFUSE BIN				
	ELEMENT NO. 1				
	SUBSTRUCTURES				
	(All provisional)				
A	Excavate oversite average 200mm deep to remove vegetable soil, load, wheel and deposit as directed, later spread on site as directed	48	SM		
B	Excavation to reduce levels	8	CM		
C	Excavate for foundation strips in normal soil not exceeding 1.5m deep starting from reduced level	39	CM		
D	Return fill and ram selected excavated material around foundations.	23	CM		
E	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	14	CM		
F	Extra over all kinds of excavation for excavating rock irrespective of class.	6	CM		
G	Allow for keeping excavations free from all water by pumping or otherwise.		Item		
H	Ditto; for plunking and strutting to sides of excavations.		Item		
I	250mm thick approved broken quarry stone hardcore filling in well compacted layers.	40	SM		
J	50 mm thick stone dust blinding to surfaces of hardcore	40	SM		
K	Dragnet FT termiticide 0.5% solution to be applied at the rate of 4 litres per square metre on top of hardcore filling over foundation walls or equal and approved treatment strictly in accordance with manufactureurer's printed instructions and subject to a TEN YEAR GUARANTEE	40	SM		
	Total to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.1 (CONT'D)</u>				
	<u>SUBSTRUCTURES (CONT'D)</u>				
	<u>50 mm plain concrete (1:4:8) blinding to:</u>				
A	Foundation strips	20	SM		
	<u>Vibrated reinforced concrete class 20/20mm in:-</u>				
B	Foundation strips	7	CM		
C	150mm thick ground floor slab	40	SM		
	<u>High tensile square twisted bars to BS 4461 including bends, hooks and trying wire</u>				
D	Y8 bars	62	KG		
E	Y10 bars	65	KG		
F	Steel fabric mesh reinforcement type A142 weighing 2.22Kg/M ² and to BS 4483 and with 150 mm side laps (measured net - no allowance for laps)	40	SM		
	<u>Sawn formwork to :</u>				
G	Sides of strip foundations	52	LM		
H	Edges of ground floor bed exceeding 75mm but not exceeding 150mm girth.	26	LM		
I	500 gauge polythene sheeting laid under concrete floor bed.	40	SM		
	Total to Collection				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1 (CONT'D)</u>				
	<u>SUBSTRUCTURES (CONT'D)</u>				
	<u>Surface treatment</u>				
	<u>Masonry</u>				
A	200 mm thick approved natural stone walling bedded and jointed in cement sand (1:3) mortar	31	SM		
	<u>Plinth area finishes</u>				
B	12mm Thick cement and sand (1:3) wood float render to plinth area	4	SM		
C	Prepare and apply three coats black bitumastic paint to rendered area	4	SM		
	Total to Collection				
	<u>COLLECTION</u>				
	Brought forward from page RB/1				
	Brought forward from page RB/2				
	Brought forward from above				
	Total for Element No. 1 (Substructures) Carried to Bill summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>WALLING</u>				
A	200 mm thick approved stone walling; bedded and jointed in cement sand (1:3) mortar; with keyed and pointed joints both internally and externally	39	SM		
	<u>Bituminous or other equal approved damp-proof course; 3 ply membrane</u>				
B	Horizontal; 200mm wide under walls	26	LM		
	<u>COPING</u>				
	<u>75 mm thick Weathered and Throated saddled - back grey precast concrete Coping jointed in cement:sand (1:3) mortar</u>				
C	For 200 mm thick walls	26	LM		
Total for Element No. 2 (Walling) to Bill Summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT NO. 3</u></p> <p><u>EXTERNAL OPENING (GATE)</u></p> <p><u>MS Grille framed with 40x25x3mm thick R.H.S sections including assembly and fixing to opening cutting and pinning lugs to masonry blockwork and bedding frame in cement and sand mortar (1:4) in:-</u></p> <p>A Gate: Double leafed; swinging; overall size 2480x1500 mm, each leaf size 1200x1500 mm high all as per the Architects details</p> <p><u>Prepare and Apply Three Coats of Gloss Oil Paint to:-</u></p> <p>B General surfaces of Steel gate</p>	1	NO		
	<p>Total for Element No. 3 External Opening (Gate) Carried to Bill Summary</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>FINISHES.</u>				
	<u>Wall Finishes</u>				
A	Keying and pointing to joints to both external and internal surfaces	78	SM		
	<u>Floor finishes.</u>				
B	50 mm thick plain cement and sand (1:4) bedding screed steel trowelled smooth to falls	40	SM		
C	Ditto 100mm high skirting (Provisional)	50	LM		
Total for Finishes Carried to Bill Summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>BUILDERS WORKS SUMMARY</u>					
1	Substructures from Page RB/3				
2	Walling from Page RB /4				
3	Doors from Page RB /5				
4	Finishes from Page RB /6				
Total for Refuse Bin Carried to Builder's work Summary					
	2NO.				
Total for Refuse Bin Carried to Builder's work Summary					

UNDERGROUND WATER TANK

100 CM UNDERGROUND RC WATER TANK.					
Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount
	UNDER GROUND WATER TANK.				
	SUB-STRUTURES				
A	Clear the site of all bushes, short trees, grass undergrowth and the like and burn the ensuing.	25	SM		
	Excavation and Earth Works.				
B	Excavate topsoil average 200mm deep wheel and deposit spoil 50 meters away in soil heaps.	25	SM		
C	Excavate to reduce levels not exceeding 1.5 metre deep from stripped level; load in spoil heaps	38	CM		
D	Ditto above exceeding 1.5 but not exceeding 3.0m deep	38	CM		
E	Ditto exceeding 3.0m but not exceeding 4.5m deep	38	CM		
F	Ditto exceeding 4.5M but not exceeding 6.0M deep.	25	CM		
K	Allow for keeping excavations free from mud and all water including spring and running water by pumping piling or other approved means.	1	ITEM		
L	Allow for planking and strutting to sides of excavations.	1	ITEM		
	Filling				
M	Supply, lay and consolidate imported red soil, fill to make up levels in 150mm thick layers, well watered and compacted to approval around septic tank.	4	CM		
N	Ditto above but 300mm thick at the bottom of slab,.	8	CM		
	Hardcore.				
O	Supply and handpick 300mm thick imported hardcore fill including levelling and consolidating in 150mm layers.	272	CM		
P	Backfill with murrum compacting in layers not eceeding 1500	204	CM		
	Disporsal.				
Q	Remove excavated spoil from site to an area agreed with the local authority.	138	CM		
	Carried To collection				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount
	<u>Insecticide treatment</u>				
A	'TERMIDOL" or other equal and approved chemicalinsecticide treatment prepared and applied according to the manufacturer's printed instructions.	20	SM		
	<u>DAMP PROOFING MEMBRANE</u>				
	<u>1000 Gauge polythene sheeting; 150mm laps; measured overall; no allowance made for laps.</u>				
B	Horizontal; over 300mm wide.	20	SM		
	<u>In-situ concrete work</u>				
	<u>Mass concrete (1:3:6/15-38mm aggregate)</u>				
C	50mm thick blinding under slab foundations	20	SM		
	<u>Vibrated reinforced concrete (1:1.5:3/25-20mm aggregate), minimum crushing strength mixed with sika hardener as specified in:</u>				
D	Slab bottom 250mm Thick	7	CM		
E	RC Walls 250mm Thick	25	CM		
F	200mm Thick Top Slab.	20	SM		
G	RC Wall base 300mm.	6	CM		
	<u>Form Work.</u>				
H	Top Slab	20	SM		
I	RC walls.	196	SM		
J	Edge of suspended slab	16	LM		
K	Form or leave opening for cover.	2	NO.		
L	Edge of base.	20	SM		
	Carried To collection.				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount
	<u>Steel reinforcement</u>				
	<u>Supply and fix reinforcement bars including bending, provision of hooks, tyingwire, cutting, spacers and supporting all in position as specified.</u>				
	<u>High tensile square twisted bars to B.S.4461</u>				
A	Slab bottom 250mm Thick	928	KG		
B	RC Walls 250mm Thick	3,314	KG		
C	200mm Thick Top Slab.	530	KG		
D	RC Wall base 300mm.	795	KG		
	<u>FINISHES.</u>				
	<u>Plaster Work</u>				
E	12mm Thick cement and sand (1:3) to RC walls	196	SM		
F	20mm thick floor screed to tank slab.	20	SM		
G	Ditto to soffit of top slab	20	SM		
H	Ditto to top of suspended slab.	20	SM		
	<u>Penetron Water proofing.</u>				
	<u>Water proofing with approved crystallisation material as supplied by Vandex or other equal and approved supplier applied as per the manufacturers specification and a guarantee of 10 Years to:</u>				
I	RC Walls internally	98	SM		
J	Bottom Slab	20	SM		
K	Top Slab.	20	SM		
	<u>Man Hole Covers.</u>				
L	600x600mm Heavy duty man hole covers.	2	NO		
	<u>Steps.</u>				
M	Supply and fix G.I steel steps fixed to RC work; Size 600x150mm	17	NO		
	CARRIED TO COLLECTION				

Item	DESCRIPTION	QTY	Units	Rate (Kshs)	Amount
	Construction joints				
A	PVC Waterbar cast into concrete, size 250 mm	82	LM		
B	cock expansion jointing sealant to concrete, size 25 x 200 mm	82	LM		
C	Approved joint sealant to concrete, size 25 x 25 mm	82	LM		
D	100mm diameter precast porous concrete underdrains	16	LM		
	<u>PLUMBING & DRAINAGE</u>				
E	Galvanised mild steel roof outlets	2	NO		
F	100 mm diameter two way outlet ventilators with gauze wire over openings	2	NO		
	CARRIED TO COLLECTION				
	COLLECTION.				
	Brought Forward From UGT 1				
	Brought Forward From UGT2				
	Brought Forward From UGT3				
	Brought Forward From UG4				
	TOTAL FOR UNDERGROUND WATER TANK CARRIED TO BUILDERS WORK SUMMARY.				

GATE HOUSE

Item	Description	Quantity	Unit	Rate	Amount
	GATE HOUSE				
	SUBSTRUCTURES (ALL PROVISIONAL)				
A	Excavate for foundation strips not exceeding 1.50 metres deep from stripped level	10	CM		
	<u>PROTECTION</u>				
B	Allow for maintaining and upholding sides of excavations and for keeping the same free from falling materials		ITEM		
C	Allow for keeping the whole of excavations free from all water including spring and running water		ITEM		
	<u>FILLINGS / DISPOSAL</u>				
D	Return , fill and ram selected excavated materials, compact in layers not exceeding 250 mm to engineers details	14	CM		
E	Load and cart away excess excavated materials	12	CM		
	<u>Approved Imported Hardcore Fill</u>				
F	Approved 250mm thick hardcore filling well watered and consolidated in layers not exceeding 150mm thick	20	SM		
G	50mm thick quarry dust blinding on hardcore(m.s)	18	SM		
	<u>Anti- termite treatment</u>				
H	Termidor, 'Dragnet' ' Gladiator' or equal and approved insecticide treatment with a 10 years Minimum guarantee period to hardcore fill	18	SM		
	<u>Damp Proof Membrane</u>				
I	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured nett- allow for laps)	18	SM		
	CONCRETE				
	<u>Plain concrete class 15 (mix 1:3:6)</u>				
J	50mm thick blinding under strip foundations	4	SM		
	<u>Reinforced concrete</u>				
	<u>Insitu concrete class 20/20 , vibrated and reinforced as described, in:-</u>				
K	Strip foundations	2	CM		
L	150mm thick surface bed	18	SM		
	<u>Carried to Collection</u>		KSHS		

Item	Description	Quantity	Unit	Rate	amount
	<u>SAWN FORMWORK TO:-</u>				
A	Vertical sides of strip foundations	6	SM		
B	Edges of ground floor slab over 75mm but not exceeding 150mm high	14	LM		
	STEEL REINFORCEMENT				
	<u>High Tensile steel square twisted bars in structural concrete work including all cutting, bending, laying and binding wire all in accordance with the Engineer's reinforcement schedules in the following:</u>				
C	In strip foundation <u>Mesh fabric reinforcement to B.S. 4483 and setting in concrete with 300mm side and end laps in solid slabs (measured nett-allow for laps)</u> <u>Fabric mesh ref:A192 weighing 3.02 Kg per square metre in floor slab</u>	200	KG		
D	Ground slab FOUNDATION WALLING <u>Load bearing natural stone walling, jointed in cement and sand (1:3) mortar with and including No. 20 gauge hoop iron ties 450mm long x 25mm wide bent and tacked into formwork with one end cast into concrete and straightened after removal of formwork and built into mortar joint of walling</u>	18	SM		
E	200mm thick masonry wall <u>Three- ply bituminous felt damp proof course bedded in cement ans sand (1:3) mortar (measured nett allow for 300mm laps):-</u>	20	SM		
F	200mm Wide horizontal layer <u>SUPERSTRUCTURE</u> REINFORCED CONCRETE FRAME (ALL PROVISIONAL) <u>In situ concrete class 20, vibrated and reinforced as described, in:-</u>	14	LM		
G	Beams	1	CM		
H	150 mm thick Roof slab	25	SM		
	<u>Carried to Collection</u>		KSHS		

Item	Description	Quantity	Unit	Rate	Amount
	REINFORCEMENT				
	<i>High Tensile steel square twisted bars in structural concrete work including all cutting, bending, laying and binding wire all in accordance with the Engineer's reinforcement schedules in the following:</i>				
A	Beams	100	KG		
B	Roof slab	2	KG		
	<u>SAWN FORMWORK TO:-</u>				
C	Sides & soffits of beams	15	SM		
D	Soffits of roof slab	25	SM		
	WATER PROOFING (ROOF SLAB)				
	<i>Prepare and apply to horizontal surfaces APP/EPDM water proofing system prepared and applied by an approved specialist all in accordance with the manufacturers instruction catalogue including provision of a written ten year anti leak guarantee. Rate to include all necessary surface preparation chasing, forming skirting, fillets, works over outlets</i>				
E	APP/EPDM waterproofing to concrete roof slab as per suppliers specifications and architects approval	25	SM		
	EXTERNAL WALLING				
	<i>Approved load bearing natural /quarry stone walling, machine dressed on both sides and jointed in cement and sand (1:3) mortar and including hoop-iron at alternate courses.</i>				
F	200mm Thick walling	42	SM		
	DOORS				
	TIMBER DOORS WITH TIMBER FRAMES				
G	Single leaf solid core flush door overall size 900 x 2100 mm high x 45 mm thick : 150 x 50 mm prime grade rebated podo frame fixed to masonry wall : 50 x 20 mm thick architraves on both sides : hardwood (mahogany or other equal & approved) veneer on both sides and hardwood lipped to all edges : 3 coats of approved clear polyurethane laquer to timber surfaces	1	NO		
H	Ditto overall size 800 x 2100mm high	1	NO		
	<u>Carried to Collection</u>		KSHS		

Item	Description	Quantity	Unit	Rate	Amount
	<i>IRON MONGERY</i> <i>Supply and fix the following ironmongery with matching screws</i> <i>as per Assa Abloy / Union catalogue or other equal and</i> <i>approved.</i>				
A	Stainless steel double washered hinges	3	PRS		
B	3 Lever union dead lock	2	NO		
C	2-lever mortice lock complete with aluminium lever handles	1	NO		
	MILD STEEL WINDOW FRAMES <i>Supply and fix the following purpose made mild steel casement small panes (</i> <i>maximum size 200 x 300 mm) windows, with standard "Z" section framing</i> <i>including all coupling mullions etc and complete with polished brass handles ,peg</i> <i>stays and other ironmongery; factory primed with red oxide primer other</i> <i>ironmongery; factory primed with red oxide primer including cutting and pinning</i> <i>fixing lugs to concrete or masonry work jambs ; bedding in cement and sand (1:3)</i> <i>mortar , pointing all round frames in mastic ,easing ,oiling and adjusting opening</i> <i>lights on completion including burglar proofing comprising 25mm wide x 3mm thick</i> <i>mild steel flat, cut, jointed and welded and set to match window frame all in</i> <i>accordance with the Architect's window schedule.</i>				
D	Window overall size 1600 x 1350 mm high <u>GLAZING</u> <i>4 mm clear sheet glazing to metal windows with putty</i>	2	NO		
E	In panes not exceeding 0.10 square metres	2	SM		
	FLOOR FINISHES <i>INTERNAL FLOOR FINISHES</i>				
F	28 mm Screed finished to receive grano finish	18	SM		
G	25 mm thick polished granolithic pavig on prepared screed surface	18	SM		
H	Plastic dividing strip	36	LM		
I	20 x 100 mm high skirting with rounded top edge and coved at junction to paving	18	LM		
	INTERNAL WALL FINISHES <u>PLASTER</u> <i>12mm (minimum) Two-coat lime plaster, finish, as described</i> <u>to:-</u>				
J	Concrete or stone walls : steel trowelled	40	SM		
K	Ditto wood floated	19	SM		
	<u>Carried to Collection</u>		KSHS		

Item	Description	Quantity	Unit	Rate	Amount
	CERAMIC TILING <u>200 x 200 x 6 mm Thick ceramic wall tiles on and including cement and sand (1:4) backing and pointing in white cement and including approved plastic strips to all edges, and border tiles as per architects details</u>				
A	Walls : wet areas	19	SM		
	PAINTING AND DECORATING <u>Prepare and apply three coats first grade plastic emulsion paint to:-</u>				
B	Plastered walls	40	SM		
	EXTERNAL WALL FINISHES				
C	Extra over walling for recessed horizontal and vertical key pointing in cement and sand (1:3) mortar to walls joint	42	SM		
	CEILING FINISHES				
	PLASTER <u>12mm (minimum) Two-coat lime plaster, with steel trowelled finish, as described to:-</u>				
D	Soffits of suspended ceiling	18	SM		
	PAINTING AND DECORATING <u>Prepare and apply three coats first grade plastic emulsion paint to:-</u>				
E	Plastered soffits of suspended slabs	18	SM		
	BUILDER'S WORK IN CONNECTION WITH SERVICES				
	ELECTRICAL INSTALLATIONS <u>Builder's work in connection with Electrical Installation including cutting away for and forming chases, holes and recesses, notching timber etc. making good all finishes and leaving to the satisfaction of the Architect</u>				
F	Lighting points.	2	NO		
G	Socket Outlets.	2	NO		
	<u>Cut horizontal or vertical chase for small pipe and make good finishes</u>				
H	Masonry or concrete block walling	10	LM		
	<u>Carried to Collection</u>		KSHS		

Item	Description	Quantity	Unit	Rate	Amount
	<p>EXTERNAL WORKS</p> <p>GATE HOUSE</p> <p><u>COLLECTION</u></p> <p>Total Brought Forward from Page No</p> <p>Total Brought Forward from Page No</p> <p>Total Brought Forward from Page No</p> <p>Total Brought Forward from Page No</p> <p>Total Brought Forward from Page No</p>		<p>EW/2</p> <p>EW/3</p> <p>EW/4</p> <p>EW/5</p> <p>EW/6</p>		
	<p><u>Carried Forward to Summary of External Works</u></p>		<p>KSHS</p>		

GRAND SUMMMARY

GRAND SUMMARY PAGE

ITEM	DESCRIPTION				AMONUT (KSHS)
A	Particular Preliminaries				
B	General Preliminaries				
C	Project Provisions				
D	Substructures.....				
E	Lower Ground 1 and 2.....				
F	Ground Floor and First Floor.....				
G	Second Floor.....				
H	Third Floor and Roof.....				
I	Civil Works.....				
K	Prime Cost & Provisional Sums				
L	Power house				
M	Perimeter fence				
N	Refuse Bin				
O	Underground Tank				
P	Gate House				
Q	Contingency Sum 3%				
GRAND TOTAL CARRIED TO FORM OF TENDER					