



COUNTY GOVERNMENT OF NYERI

**DEPARTMENT OF LANDS, HOUSING, PHYSICAL PLANNING AND
URBANIZATION**

**PROPOSED ASIAN QUARTERS TRANSPORT TERMINI MAIN WORKS
(PHASE I)**

TENDER NUMBER: CGN/LHPPU/239/208-19

ISSUED BY:

CHIEF OFFICER
DEPARTMENT OF TRANSPORT,
PUBLIC WORKS AND INFRASTRUCTURE
P.O. BOX 372
NYERI

COUNTY ARCHITECT
P.O. BOX 372
NYERI

COUNTY QUANTITY SURVEYOR
P.O. BOX 372
NYERI

COUNTY STRUCTURAL/CIVIL ENGINEER
P.O. BOX 372
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COUNTY ELECTRICAL ENGINEER
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COUNTY MECHANICAL ENGINEER
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FEBRUARY, 2019

PROPOSED ASIAN QUARTERS TRANSPORT TERMINI MAIN WORKS (PHASE I)

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FORM OF AGREEMENT

THIS AGREEMENT, made on the _____ day of _____ 20_____
between the **Nyeri County Government**, whose registered office is situated at **Nyeri Town** and of **P.O. Box 1112-10100 Nyeri**
(Hereinafter called “the Employer”) of the one part AND
_____ whose registered office is
situated at and of _____
(Hereinafter called “the Contractor”) of the other part.

WHEREAS THE Employer is desirous that the Contractor executes the construction of **New Transport Termini Main Works** (hereinafter called “the Works”) located at **Asian Quarters Nyeri Town**] and the Employer has accepted the tender submitted by the Contractor for the execution and completion of the works and the remedying of any defects therein for the Contract Price of Kshs _____ [*Amount in figures*] ,Kenya Shillings _____ [*Amount in words*].

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
 - (i) Letter of Acceptance
 - (ii) Form of Tender
 - (iii) Conditions of Contract Part I
Conditions of Contract Part II and Appendix to Conditions of Contract
 - (iv) Specifications
 - (v)
 - (vi) Drawings
 - (vii) Priced Bills of Quantities

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In WITNESS WHEREOF the parties thereto have caused this Agreement to be executed the day and year first herein above written.

FOR AND ON BEHALF OF THE EMPLOYER (AUTHORIZED OFFICER)

NAME _____

TITLE _____

~~HERE~~

Witnessed by

~~ME~~

ADDRESS _____

~~HERE~~

FOR AND ON BEHALF OF THE CONTRACTOR

NAME _____

TITLE _____

BINDING SIGNATURE _____

Witnessed by NAME _____

ADDRESS _____

~~HERE~~

INVITATION FOR TENDERS

Tender No: CGN/LHPPU/239/208-19

1.1 The County Government of Nyeri invites sealed tender for **PROPOSED ASIAN QUARTERS TRANSPORT TERMINI MAIN WORKS (PHASE I)**

1.2 Interested eligible candidates may obtain further information and inspect tender documents *at the **County Procurement Office, ground floor, Nyeri County Government Offices** during normal working hours i.e. 8am-5pm*

1.3 A complete set of tender documents may be obtained by interested candidates by download at the ***Nyeri County Government website free of charge***

1.4 Prices quoted should be net inclusive of all taxes and must be in Kenya Shillings and shall remain valid for **One Hundred and Twenty (120)** days from the closing date of tender.

1.5 Completed tender documents are to be enclosed in plain sealed envelopes **(original and copy)** marked with tender name and reference number and deposited in the Tender Box at ***Nyeri County Government Offices*** or to be sent to **the *County Secretary, Nyeri County Government P.O. Box 1112-10100 Nyeri*** so as to be received on or before **15th March 2019 at 11:00am.**

1.6 Tenders will be opened immediately thereafter at the ***Nyeri County Government Boardroom*** in the presence of the candidates or their representatives who choose to attend.

COUNTY SECRETARY

NYERI COUNTY

P.O. BOX 1112-10100

NYERI

INSTRUCTIONS TO TENDERERS:

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INSTRUCTIONS TO TENDERERS

1. 1. General/Eligibility/Qualifications/Join venture/Cost of tendering

- 1.1 The Employer as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The successful tenderer will be expected to complete the Works by the Intended Completion Date specified in the tender documents.
- 1.2 All tenderers shall provide the Qualification Information, a statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or has not been associated in the past, directly or indirectly, with the Consultant or any other entity that has prepared the design, specifications, and other documents for the project or being proposed as Project Manager for the Contract. A firm that has been engaged by the Employer to provide consulting services for the preparation or supervision of the Works, and any of its affiliates, shall not be eligible to tender.
- 1.3 All tenderers shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.
- 1.4 In the event that pre-qualification of potential tenderers has been undertaken, only tenders from pre-qualified tenderers will be considered for award of Contract. These qualified tenderers should submit with their tenders any information updating their original pre-qualification applications or, alternatively, confirm in their tenders that the originally submitted pre-qualification information remains essentially correct as of the date of tender submission.
- 1.5 Where no pre-qualification of potential tenderers has been done, all tenderers shall include the following information and documents with their tenders , unless otherwise stated:
 - (a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business; written power of attorney of the signatory of the tender to commit the tenderer:
 - (b) total monetary value of construction work performed for each of the last five years:
 - (c) experience in works of a similar nature and size for each of the last five years, and details of work under way or contractually committed; and names and addresses of clients who may be contacted for further information on these contracts;

- (d) major items of construction equipment proposed to carry out the Contract and an undertaking that they will be available for the Contract.
- (e) qualifications and experience of key site management and technical personnel proposed for the Contract and an undertaking that they shall be available for the Contract.
- (f) reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the past five years;
- (g) evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);
- (h) authority to seek references from the tenderer's bankers;
- (i) information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount; and
- (j) proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price.

1.6 Tenders submitted by a joint venture of two or more firms as partners shall comply with the following requirements, unless otherwise stated:

- (a) the tender shall include all the information listed in clause 1.5 above for each joint venture partner;
- (b) the tender shall be signed so as to be legally binding on all partners;
- (c) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
- (d) one of the partners will be nominated as being in charge, authorised to incur liabilities, and receive instructions for and on behalf of all partners of the joint venture; and
- (e) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

1.7 To qualify for award of the Contract, tenderers shall meet the following minimum qualifying criteria;

- (a) annual volume of construction work of at least 2.5 times the estimated annual cashflow for the Contract;

- (b) experience as main contractor in the construction of at least two works of a nature and complexity equivalent to the Works over the last 10 years (to comply with this requirement, works cited should be at least 70 percent complete);
 - (c) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed as required for the Works;
 - (d) a Contract manager with at least five years' experience in works of an equivalent nature and volume, including no less than three years as Manager; and
 - (e) liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than 4 months of the estimated payment flow under this Contract.
- 1.8 The figures for each of the partners of a joint venture shall be added together to determine the tenderer's compliance with the minimum qualifying criteria of clause 1.7 (a) and (e); however, for a joint venture to qualify, each of its partners must meet at least 25 percent of minimum criteria 1.7 (a), (b) and (e) for an individual tenderer, and the partner in charge at least 40 percent of those minimum criteria. Failure to comply with this requirement will result in rejection of the joint venture's tender. Subcontractors' experience and resources will not be taken into account in determining the tenderer's compliance with the qualifying criteria, unless otherwise stated.
- 1.9 Each tenderer shall submit only one tender, either individually or as a partner in a joint venture. A tenderer who submits or participates in more than one tender (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the tenderer's participation to be disqualified.
- 1.10 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible or liable for those costs
- 1.11 The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the tenderer's own expense.
- 1.12 The procuring entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.

1.13 The price to be charged for the tender document shall not exceed Kshs. 1,000/=

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

2. Tender Documents

2.1 The complete set of tender documents comprises the documents listed below and any addenda issued in accordance with Clause 2.4.

- (a) These Instructions to Tenderers
- (b) Appendix to instructions to Tenderers and evaluation criteria
- (c) Form of Tender and Qualification Information
- (d) Conditions of Contract
- (e) Appendix to Conditions of Contract
- (f) Specifications
- (g) Bills of Quantities
- (h) Forms of Securities

2.2 The tenderer shall examine all Instructions, Forms to be filled and Specifications in the tender documents. Failure to furnish all information required by the tender documents, or submission of a tender not substantially responsive to the tendering documents in every respect will be at the tenderer's risk and may result in rejection of his tender.

2.3 A prospective tenderer making an inquiry relating to the tender documents may notify the Employer in writing or by cable, telex or facsimile at the address indicated in the letter of invitation to tender. The Employer will only respond to requests for clarification received earlier than seven days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.

2.4 Before the deadline for submission of tenders, the Employer may modify the tendering documents by issuing addenda. Any addendum thus issued shall be part of the tendering documents and shall be communicated in writing or by cable, telex or facsimile to all tenderers. Prospective tenderers shall acknowledge receipt of each addendum in writing to the Employer.

2.5 To give prospective tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend, as necessary, the deadline for submission of tenders, in accordance with Clause 4.2 here below.

3. Preparation of Tenders

3.1 All documents relating to the tender and any correspondence shall be in English language.

3.2 The tender submitted by the tenderer shall comprise the following:

- (a) These Instructions to Tenderers, Form of Tender, Conditions of Contract, Appendix to Conditions of Contract and Specifications;
Tender Security;
- (b) Priced Bill of Quantities ;
- (c) Qualification Information Form and Documents;
- (d) Alternative offers where invited; and
- (e) Any other materials required to be completed and submitted by
- (f) the tenderers

3.3 The tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items for which no rate or price is entered by the tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause relevant to the Contract, as of 30 days prior to the deadline for submission of tenders, shall be included in the tender price submitted by the tenderer.

3.4 The rates and prices quoted by the tenderer shall only be subject to adjustment during the performance of the Contract if provided for in the Appendix to Conditions of Contract and provisions made in the Conditions of Contract.

3.5 The unit rates and prices shall be in Kenya Shillings.

3.6 Tenders shall remain valid for a period of sixty (120) days from the date of submission. However in exceptional circumstances, the Employer may request that the tenderers extend the period of validity for a specified additional period. The request and the tenderers' responses shall be made in writing. A tenderer may refuse the request without forfeiting the Tender Security. A tenderer agreeing to the request will not be required or permitted to otherwise modify the tender, but will be required to extend the validity of Tender Security for the period of the extension, and in compliance with Clause 3.7 - 3.11 in all respects.

- 3.7 The tenderer shall furnish, as part of the tender, a Tender Security in the amount and form specified in the appendix to invitation to tenderers. This shall be in the amount not exceeding 2 percent of the tender price
- 3.8 The format of the Tender Security should be in accordance with the form of Tender Security included in Section G - Standard forms or any other form acceptable to the Employer. Tender Security shall be valid for 30 days beyond the validity of the tender.
- 3.9 Any tender not accompanied by an acceptable Tender Security shall be rejected. The Tender Security of a joint venture must define as "Tenderer" all joint venture partners and list them in the following manner: a joint venture consisting of".....", ".....", and ".....".
- 3.10 The Tender Securities of unsuccessful tenderers will be returned within 28 days of the end of the tender validity period specified in Clause 3.6.
- 3.11 The Tender Security of the successful tenderer will be discharged when the tenderer has signed the Contract Agreement and furnished the required Performance Security.
- 3.12 The Tender Security may be forfeited
- (a) if the tenderer withdraws the tender after tender opening during the period of tender validity;
 - (b) if the tenderer does not accept the correction of the tender price, pursuant to Clause 5.7;
 - (c) in the case of a successful tenderer, if the tenderer fails within the specified time limit to
 - (i) sign the Agreement, or
 - (ii) furnish the required Performance Security.
- 3.13 Tenderers shall submit offers that comply with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. Alternatives will not be considered, unless specifically allowed in the invitation to tender. If so allowed, tenderers wishing to offer technical alternatives to the requirements of the tendering documents must also submit a tender that complies with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. In addition to submitting the basic tender, the tenderer shall provide all information necessary for a complete evaluation of the alternative, including design calculations, technical specifications, breakdown of prices, proposed construction methods and other relevant details. Only the technical alternatives, if any, of

the lowest evaluated tender conforming to the basic technical requirements shall be considered.

- 3.14 The tenderer shall prepare one original of the documents comprising the tender documents as described in Clause 3.2 of these Instructions to Tenderers, bound with the volume containing the Form of Tender, and clearly marked "ORIGINAL". In addition, the tenderer shall submit copies of the tender, in the number specified in the invitation to tender, and clearly marked as "COPIES". In the event of discrepancy between them, the original shall prevail.
- 3.15 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorised to sign on behalf of the tenderer, pursuant to Clause 1.5 (a) or 1.6 (b), as the case may be. All pages of the tender where alterations or additions have been made shall be initialled by the person or persons signing the tender.
- 3.16 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 7 days prior to the deadline for submission of tenders.
- 3.17 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.
- 3.18 The tender security shall be in the amount of 0.5 – 2 per cent of the tender price.

4. Submission of Tenders

- 4.1 The tenderer shall seal the **original** and **a copy** of the tender in two inner envelopes and one outer envelope, duly marking the inner envelopes as "**ORIGINAL**" and "**COPY**" as appropriate. The inner and outer envelopes shall:
- (a) be addressed to the Employer at the address provided in the invitation to tender;
 - (b) bear the name and identification number of the Contract as defined in the invitation to tender; and
 - (c) provide a warning not to open before the specified time and date for tender opening.

- 4.2 Tenders shall be delivered to the Employer at the address specified above not later than the time and date specified in the invitation to tender. However, the Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Sub-Clause 2.5 in which case all rights and obligations of the Employer and the tenderers previously subject to the original deadline will then be subject to the new deadline.
- 4.3 Any tender received after the deadline prescribed in clause 4.2 will be returned to the tenderer unopened.
- 4.4 Tenderers may modify or withdraw their tenders by giving notice in writing before the deadline prescribed in clause 4.2. Each tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with clause 3.13 and 4.1, with the outer and inner envelopes additionally marked **"MODIFICATION"** and **"WITHDRAWAL"**, as appropriate. No tender may be modified after the deadline for submission of tenders.
- 4.5 Withdrawal of a tender between the deadline for submission of tenders and the expiration of the period of tender validity specified in the invitation to tender or as extended pursuant to Clause 3.6 may result in the forfeiture of the Tender Security pursuant to Clause 3.11.
- 4.6 Tenderers may only offer discounts to, or otherwise modify the prices of their tenders by submitting tender modifications in accordance with Clause 4.4 or be included in the original tender submission.

5. Tender Opening and Evaluation

- 5.1 The tenders will be opened by the Employer, including modifications made pursuant to Clause 4.4, in the presence of the tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender. Envelopes marked **"WITHDRAWAL"** shall be opened and read out first. Tenderers' and Employer's representatives who are present during the opening shall sign a register evidencing their attendance.
- 5.2 The tenderers' names, the tender prices, the total amount of each tender and of any alternative tender (if alternatives have been requested or permitted), any discounts, tender modifications and withdrawals, the presence or absence of Tender Security, and such other details as may be considered appropriate, will be announced by the Employer at the opening. Minutes of the tender opening, including the information disclosed to those present will be prepared by the Employer.

- 5.3 Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of Contract shall not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the Employer's officials, processing of tenders or award decisions may result in the rejection of his tender.
- 5.4 To assist in the examination, evaluation, and comparison of tenders, the Employer at his discretion, may ask any tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered in the evaluation of the tenders in accordance with Clause 5.7.
- 5.5 Prior to the detailed evaluation of tenders, the Employer will determine whether each tender (a) meets the eligibility criteria defined in Clause 1.7; (b) has been properly signed; (c) is accompanied by the required securities; and (d) is substantially responsive to the requirements of the tendering documents. A substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tendering documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the tendering documents, the Employer's rights or the tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.
- 5.6 If a tender is not substantially responsive, it will be rejected, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.
- 5.7 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:
- (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
 - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.
 - (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities, the amount as stated in the Form of Tender shall prevail.

- (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected Builder's Work (i.e. Corrected tender sum less P.C. and Provisional Sums)
- (e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
- (f) the amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 3.11.

5.8 The Employer will evaluate and compare only the tenders determined to be substantially responsive in accordance with Clause 5.5.

5.9 In evaluating the 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 5.7;
- (b) excluding provisional sums and the provision, if any, for contingencies in the Bill of Quantities, but including dayworks where priced competitively.
- (c) making an appropriate adjustment for any other acceptable variations, deviations, or alternative offers submitted in accordance with clause 3.12; and
- (d) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with clause 4.6

5.10 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the tender documents or otherwise result in unsolicited benefits for the Employer will not be taken into account in tender evaluation.

5.11 The tenderer shall not influence the Employer on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. Any effort by the Tenderer to influence the Employer or his employees in his decision on tender evaluation, tender comparison or Contract award may result in the rejection of the tender.

- 5.12 Firms incorporated in Kenya where indigenous Kenyans own 51% or more of the share capital shall be allowed a 10% preferential bias provided that they do not sub-contract work valued at more than 50% of the Contract Price excluding Provisional Sums to a non-indigenous sub-contractor.

6. Award of Contract

- 6.1 Subject to Clause 6.2, the award of the Contract will be made to the tenderer whose tender has been determined to be substantially responsive to the tendering documents and who has offered the lowest evaluated tender price, provided that such tenderer has been determined to be (a) eligible in accordance with the provision of Clauses 1.2, and (b) qualified in accordance with the provisions of clause 1.7 and 1.8.
- 6.2 Notwithstanding clause 6.1 above, the Employer reserves the right to accept or reject any tender, and to cancel the tendering process and reject all tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the action.
- 6.3 The tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the "Letter of Acceptance") will state the sum (hereinafter and in all Contract documents called the "Contract Price") that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract. At the same time the other tenderers shall be informed that their tenders have not been successful.
- The contract shall be formed on the parties signing the contract.
- 6.4 The Agreement will incorporate all agreements between the Employer and the successful tenderer. Within 14 days of receipt the successful tenderer will sign the Agreement and return it to the Employer.
- 6.5 Within 21 days after receipt of the Letter of Acceptance, the successful tenderer shall deliver to the Employer a Performance Security in the amount stipulated in the Appendix to Conditions of Contract and in the form stipulated in the Tender documents. The Performance Security shall be in the amount and specified form
- 6.6 Failure of the successful tenderer to comply with the requirements of clause 6.5 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Tender Security.

- 6.7 Upon the furnishing by the successful tenderer of the Performance Security, the Employer will promptly notify the other tenderers that their tenders have been unsuccessful.
- 6.8 Preference where allowed in the evaluation of tenders shall not be allowed for contracts not exceeding one year (12 months)
- 6.9 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 6.10 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.
- 6.11 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)
- 6.12 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.
- 6.13 Price variation request shall be processed by the procuring entity within 30 days of receiving the request.
- 6.14 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.15 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.
- 6.16 A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

7. Corrupt and Fraudulent practices

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

APPENDIX TO INSTRUCTIONS TO TENDERERS

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

1. SPECIAL NOTES

The contractor is required to check the number of pages of these Bills of Quantities and should he find any missing or in duplicate, or figures indistinct, he must inform the **Nyeri County Government** at once and have the same rectified.

Should the contractor be in doubt about the precise meaning of any item or figure for any reason whatsoever, he must inform the **Nyeri County Government** in order that the correct meaning may be decided before the date of submission of tenders.

No liability will be admitted nor claim allowed in respect of the errors in the contractor's tender due to mistakes in the specification that should have been rectified in the manner described above.

TENDERS EVALUATION CRITERIA

A three-stage procedure will be adopted in evaluating the tenders

1. Preliminary evaluation
2. Technical evaluation
3. Financial evaluation

STAGE 1 – MANDATORY REQUIREMENTS

Special conditions

- i. Those with contracts in Nyeri which are incomplete without an official extension will not be considered.
- ii. Those firms who have defaulted on completion of projects within Nyeri County will not be considered.
- iii. Bidders will be eligible for one contract only.

Tenderers shall meet the following **mandatory requirements** to pass the preliminary evaluation. Must provide:-

- 1) Valid copy of certificate of Incorporation/Registration
- 2) Valid copy of Tax Compliance Certificate.
- 3) Valid copy of company registration record details the company director(s)/ CR12 issued within the last three months
- 4) Valid copy of National Construction Authority (NCA) Registration Certificate Buildings Category (*NCA 3 and above*)**
- 5) Valid copy of National Construction Authority (NCA) Annual Licence for **2018/2109** (To be verified with NCA)
- 6) Pre-tender site visit certificate duly signed by the client's representative.
- 7) Proposed Work's Programme
- 8) Bid bond of 2% of tendered amount.
- 9) Must provide a bid bond of the prescribed amount which must remain valid for 30 days (after expiry of the tender validity period in the form a bank guarantee or from an insurance company approved by the Public Procurement Oversight Authority (PPOA) payable to the County Secretary, Nyeri County Government
- 10) Copies of audited financial statements for the last two years (**2017 and 2018**) signed by a certified public accountants and director(s)/company secretary
- 10) Current business permit/license
- 11) Duly filled, signed and stamped Form of Tender
- 12) Duly filled, signed and stamped Confidential Business Questionnaire

Failure to meet the preliminary mandatory requirements will lead to automatic disqualification

STAGE 2-TECHNICAL EVALUATION

	Evaluation Criterion	%	Score %
1.	Number of years in operation a) Less than 1 year b) 1-3 years c) 4-5 years d) 6-10 years e) >10 years	10 0 2 5 7 10	
2.	Work Experience. Provide project completion certificates signed by a project manager, as evidence of completed building projects of over KShs. 150 million a) 1-3 projects b) 4-6 projects b) 7-10 projects d) >10 projects	30 5 10 20 30	
3.	Qualified Technical Staff. Provide both CVs and academic certificates (at least a diploma in building or civil engineering) of key technical personnel with a minimum of 5 years experience a) 1-2 persons b) 3-4 persons c) >5 persons	25 10 15 25	
4.	Plant and Equipment. Provide details and proof of ownership of plant, equipment and transport vehicles (give no, type and capacity of each) a) Transport-Vehicles/trucks only b) Transport, concrete batching and welding c) a & b plus other assorted relevant equipment Note. For leased plant and equipment maximum of 3 marks	10 3 5 10	
5.	Financial Capacity. a) 100-150 million average annual turnover b) 151 - 200 million average annual turnover c) > 200 million average annual turnover	15 5 10 15	
6.	Proposed Works Programme. Provide a Works Programme for the project showing activities and timelines	5	
7.	Serialization of the tender documents (cover to cover)	5	
	TOTAL	100	

Only tenders with a technical score of 70% and above out of 100% shall be considered technically responsive hence qualify for financial evaluation.

STAGE 3- FINANCIAL EVALUATION

Tenders shall be checked for arithmetic errors. The lowest evaluated tender to be considered for award must be economically responsive i.e. unit rates in the bill of quantities must realistically be within market rates and the tender sum be within the budget.

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1. Definitions

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

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

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

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

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

“The Contractor” refers to the person or corporate body whose tender to carry out the Works has been accepted by the Employer.

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

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

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

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

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

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

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

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

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

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

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

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

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

“Project Manager” is the person named in the Appendix to Conditions of Contract (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract.

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

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

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

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

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

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

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

“The Works” are what the Contract requires the Contractor to construct, install, and turnover to the Employer, as defined in the Appendix to Conditions of Contract.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning in English Language unless specifically defined. The Project Manager will provide instructions clarifying queries about these Conditions of Contract.

2.2 If sectional completion is specified in the Appendix to Conditions of Contract, reference in the Conditions of Contract to the Works, the Completion Date and the Intended Completion Date apply to any section of the Works (other than references to the Intended Completion Date for the whole of the Works).

2.3 The following documents shall constitute the Contract documents and shall be interpreted in the following order of priority;

- (1) Agreement,
- (2) Letter of Acceptance,
- (3) Contractor’s Tender,
- (4) Appendix to Conditions of Contract,
- (5) Conditions of Contract,
- (6) Specifications,
- (7) Drawings,
- (8) Bill of Quantities,
- (9) Any other documents listed in the Appendix to Conditions of Contract as forming part of the Contract.

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

3. Language and Law

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

4 Project Manager's Decisions

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

5 Delegation

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

6 Communications

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

7 Subcontracting

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

8 Other Contractors

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

9 Personnel

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

10 Works

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

11 Safety and Temporary Works

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

12. Discoveries

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

13. Work Program

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

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

14. Possession of Site

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

15. Access to Site

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

16. Instructions

16.1 The Contractor shall carry out all instructions of the Project Manager which are in accordance with the Contract.

17. Extension or Acceleration of Completion Date

17.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining Work, which would cause the Contractor to incur additional cost. The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager in writing for a decision upon the effect of a Compensation Event or variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay caused by such failure shall not be considered in assessing the new (extended) Completion Date.

17.2 No bonus for early completion of the Works shall be paid to the Contractor by the Employer.

18. Management Meetings

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

19. Early Warning

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

20. Defects

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

21. Bills Of Quantities

- 21.1 The Bills of Quantities shall contain items for the construction, installation, testing and commissioning of the Work to be done by the Contractor. The Contractor will be paid for the quantity of the Work done at the rate in the Bills of Quantities for each item.

21.2 If the final quantity of the Work done differs from the quantity in the Bills of Quantities for the particular item by more than 25 percent and provided the change exceeds 1 percent of the Initial Contract price, the Project Manager shall adjust the rate to allow for the change.

21.3 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bills of Quantities.

22. Variations

22.1 All variations shall be included in updated programs produced by the Contractor.

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

22.3 If the work in the variation corresponds with an item description in the Bills of Quantities and if in the opinion of the Project Manager, the quantity of work is not above the limit stated in Clause 21.2 or the timing of its execution does not cause the cost per unit of quantity to change, the rate in the Bills of Quantities shall be used to calculate the value of the variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the variation does not correspond with items in the Bills of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.

22.4 If the Contractor's quotation is unreasonable, the Project Manager may order the variation and make a change to the Contract price, which shall be based on the Project Manager's own forecast of the effects of the variation on the Contractor's costs.

22.5 If the Project Manager decides that the urgency of varying the Work would prevent a quotation being given and considered without delaying the Work, no quotation shall be given and the variation shall be treated as a Compensation Event.

22.6 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

22.7 When the Program is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast.

23. Payment Certificates, Currency of Payments and Advance Payments

- 23.1 The Contractor shall submit to the Project Manager monthly applications for payment giving sufficient details of the Work done and materials on Site and the amounts which the Contractor considers himself to be entitled to. The Project Manager shall check the monthly application and certify the amount to be paid to the Contractor within 14 days. The value of Work executed and payable shall be determined by the Project Manager.
- 23.2 The value of Work executed shall comprise the value of the quantities of the items in the Bills of Quantities completed, materials delivered on Site, variations and compensation events. Such materials shall become the property of the Employer once the Employer has paid the Contractor for their value. Thereafter, they shall not be removed from Site without the Project Manager's instructions except for use upon the Works.
- 23.3 Payments shall be adjusted for deductions for retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of issue of each certificate. If the Employer makes a late payment, the Contractor shall be paid simple interest on the late payment in the next payment. Interest shall be calculated on the basis of number of days delayed at a rate three percentage points above the Central Bank of Kenya's average rate for base lending prevailing as of the first day the payment becomes overdue.
- 23.4 If an amount certified is increased in a later certificate or as a result of an award by an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.
- 23.5 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.
- 23.6 The Contract Price shall be stated in Kenya Shillings. All payments to the Contractor shall be made in Kenya Shillings and foreign currency in the proportion indicated in the tender, or agreed prior to the execution of the Contract Agreement and indicated therein. The rate of exchange for the calculation of the amount of foreign currency payment shall be the rate of exchange indicated in the Appendix to Conditions of Contract. If the Contractor indicated foreign currencies for payment other than the currencies of the countries of origin of related goods and services the Employer reserves the right to pay the equivalent at the time of payment in the currencies of the countries of such goods and services. The Employer and the Project Manager shall be notified promptly by the Contractor of any changes in the expected foreign currency requirements of the Contractor during the execution of the Works as indicated in the Schedule of Foreign Currency Requirements and the

23.7 foreign and local currency portions of the balance of the Contract Price shall then be amended by agreement between Employer and the Contractor in order to reflect appropriately such changes.

23.7 In the event that an advance payment is granted, the following shall apply:

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

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

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

Where:

- R A = the amount to be reimbursed
- = the amount of the advance which has been granted
- X₁ = the amount of proposed cumulative payments as a percentage of the original amount of the Contract. This figure will exceed 20% but not exceed 80%.
- X₁₁ = the amount of the previous cumulative payments as a percentage of the original amount of the Contract. This figure will be below 80% but not less than 20%.
- d) with each reimbursement the counterpart of the directly liable guarantee may be reduced accordingly.

24. Compensation Events

24.1 The following issues shall constitute Compensation Events:

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

24.2 If a compensation event would cause additional cost or would prevent the Work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

- 24.3 As soon as information demonstrating the effect of each compensation event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager will assume that the Contractor will react competently and promptly to the event.
- 24.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having co-operated with the Project Manager.
- 24.5 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the Appendix to Conditions of Contract.
- 24.6 The Contractor shall give written notice to the Project Manager of his intention to make a claim within thirty days after the event giving rise to the claim has first arisen. The claim shall be submitted within thirty days thereafter.

Provided always that should the event giving rise to the claim of continuing effect, the Contractor shall submit an interim claim within the said thirty days and a final claim within thirty days of the end of the event giving rise to the claim.

25. Price Adjustment

- 25.1 The Project Manager shall adjust the Contract Price if taxes, duties and other levies are changed between the date 30 days before the submission of tenders for the Contract and the date of Completion. The adjustment shall be the change in the amount of tax payable by the Contractor.
- 25.2 The Contract Price shall be deemed to be based on exchange rates current at the date of tender submission in calculating the cost to the Contractor of materials to be specifically imported (by express provisions in the Contract Bills of Quantities or Specifications) for permanent incorporation in the Works. Unless otherwise stated in the Contract, if at any time during the period of the Contract exchange rates shall be varied and this shall affect the cost to the Contractor of such materials, then the Project Manager shall assess the net difference in the cost of such materials. Any amount from time to time so assessed shall be added to or deducted from the Contract Price, as the case may be.
- 25.3 Unless otherwise stated in the Contract, the Contract Price shall be deemed to have been calculated in the manner set out below and in sub-clauses 25.4 and 25.5 and shall be subject to adjustment in the events specified there under;

- (i) The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the rates of wages and other emoluments and expenses as determined by the Joint Building Council of Kenya (J.B.C.) and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.

Upon J.B.C. determining that any of the said rates of wages or other emoluments and expenses are increased or decreased, then the Contract Price shall be increased or decreased by the amount assessed by the Project Manager based upon the difference, expressed as a percentage, between the rate set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of labour incorporated within the amount of Work remaining to be executed at the date of publication of such increase or decrease.

- (iii) No adjustment shall be made in respect of changes in the rates of wages and other emoluments and expenses which occur after the date of Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.

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

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

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

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

26. Retention

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

27. Liquidated Damages

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

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

28. Securities

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

29. Dayworks

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

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

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

30. Liability and Insurance

30.1 From the Start Date until the Defects Correction Certificate has been issued, the following are the Employer's risks:

- (a) The risk of personal injury, death or loss of or damage to property (excluding the Works, Plant, Materials and Equipment), which are due to;
 - (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works, or
negligence, breach of statutory duty or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.
- (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in Employer's design, or due to war or radioactive contamination directly affecting the place where the Works are being executed.

30.2 From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is the Employer's risk except loss or damage due to;

- (a) a defect which existed on or before the Completion Date.
- (b) an event occurring before the Completion Date, which was not itself the Employer's risk
- (c) the activities of the Contractor on the Site after the Completion Date.

30.3 From the Start Date until the Defects Correction Certificate has been issued, the risks of personal injury, death and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risk are Contractor's risks.

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

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

Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date.

All such insurance shall provide for compensation required to rectify the loss or damage incurred.

30.5

If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

30.7 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager. Both parties shall comply with any conditions of insurance policies.

31. Completion and taking over

31.1 Upon deciding that the Works are complete, the Contractor shall issue a written request to the Project Manager to issue a Certificate of Completion of the Works. The Employer shall take over the Site and the Works within seven [7] days of the Project Manager's issuing a Certificate of Completion.

32. Final Account

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

33. Termination

33.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. These fundamental breaches of Contract shall include, but shall not be limited to, the following;

- (a) the Contractor stops work for 30 days when no stoppage of work is shown on the current program and the stoppage has not been authorised by the Project Manager;

- (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 30 days;
- (c) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (d) a payment certified by the Project Manager is not paid by the Employer to the Contractor within 30 days (for Interim Certificate) or 60 days (for Final Certificate) of issue.
- (e) the Project Manager gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;
- (f) the Contractor does not maintain a security, which is required.

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

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

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

34. Payment Upon Termination

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

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

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

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

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

35. Release from Performance

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

36. Corrupt gifts and payments of commission

The Contractor shall not;

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

Employer any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other Contract for the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract for the Employer.

- (b) Enter into this or any other contract with the Employer in connection with which commission has been paid or agreed to be paid by him or on his behalf or to his knowledge, unless before the Contract is made particulars of any such commission and of the terms and conditions of any agreement for the payment thereof have been disclosed in writing to the Employer.

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

37. Settlement Of Disputes

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

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

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

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

- 37.3 Provided that no arbitration proceedings shall be commenced on any dispute or difference where notice of a dispute or difference has not been given by the applying party within ninety days of the occurrence or discovery of the matter or issue giving rise to the dispute.
- 37.4 Notwithstanding the issue of a notice as stated above, the arbitration of such a dispute or difference shall not commence unless an attempt has in the first instance been made by the parties to settle such dispute or difference amicably with or without the assistance of third parties. Proof of such attempt shall be required.
- 37.5 Notwithstanding anything stated herein the following matters may be referred to arbitration before the practical completion of the Works or abandonment of the Works or termination of the Contract by either party:
- 37.5.1 The appointment of a replacement Project Manager upon the said person ceasing to act.
- 37.5.2 Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.
- 37.5.3 Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.
- 37.5.4 Any dispute or difference arising in respect of war risks or war damage.
- 37.6 All other matters shall only be referred to arbitration after the completion or alleged completion of the Works or termination or alleged termination of the Contract, unless the Employer and the Contractor agree otherwise in writing.
- 37.7 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, tests or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any certificate.
- 37.8 The Arbitrator shall, without prejudice to the generality of his powers, have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision requirement or notice had been given.
- 37.9 The award of such Arbitrator shall be final and binding upon the parties.

APPENDIX TO CONDITIONS OF CONTRACT

The employer is: **The County Government of Nyeri**

The employer's representative is: **Chief Officer - Department of Lands
Physical Planning and Housing**

The Project Manager is: **County Architect Nyeri County**

The works consist of **PROPOSED ASIAN QUARTERS TRANSPORT TERMINI MAIN
WORKS (PHASE I)**

The site is located in within **ASIAN QUARTERS**

The Start Date shall be ***as agreed with Project Manager***

The completion period for the works shall be ***(52weeks)***

The following documents also form part of the Contract: ***as listed in Clause
2.3 of Conditions of Contract***

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

The minimum insurance cover shall be;

1. The minimum cover for insurance of the Works and of Plant and Materials in respect of the Contractor's faulty design is: **All Contractors risk insurance**
2. The minimum cover for loss or damage to Equipment is **All Contractors risk insurance**
3. The minimum for insurance of other property is: **All Contractors risk insurance**
4. The minimum over for third party personal injury or death: **All Contractors risk insurance**
5. For the Contractor's employee is: **Workmen's Injury & Benefits (WIBA) Policy**

The following events shall also be Compensation Events: **none (only as listed in clause 24 of the conditions of contract:**

The proportion of amount retained is **10%** and the limit of retention is **10%**

The Price Adjustment clause is **cancelled - it shall not apply**

The liquidated damages for the whole of the works a **KShs. 50,000.00** per week

The performance security shall be **5.0%** of the Contract Price in form of **a bank guarantee or in the form of an insurance policy from an approved insurance company**

Advance payment **shall not be granted**

FORM OF TENDER

TO: _____ [*Name of Employer*)

[*Date*]

[*Name of Contract*

Dear Sir/Madam,

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*]

[*Address*]

Witness; Name

Address

Signature

Date _____

FORM OF TENDER SECURITY

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

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

THE CONDITIONS of this obligation are:

1. If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers
Or
2. If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:
 - (a) fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required; or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;

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

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

[Date [

]signature of the Bank]

[Witness]

[Seal]

PERFORMANCE BANK GUARANTEE

To: *(Name of Employer) (Date)*

(Address of Employer)

Dear Sir,

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

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

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

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

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

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

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

SIGNATURE AND SEAL OF THE GUARANTOR _____

Name of Bank _____

Address

Date _____

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. Email address of tenderer

.....

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

.....

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

.....

.....

Signature & Stamp of Tenderer

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; Town.....

Plot No..... Street/Road

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

Nature of Business.....

Current Trade Licence No.....

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

KShs.....

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.			
4.			

Part 2(d) – Interest in the Firm:

Is there any person / persons in(**Nyeri County Government**)
who has interest in this firm? Yes/No.....(*Delete as necessary*)

I certify that the information given above is correct.

..... (Title)
(Signature) (Date)

X ***Attach proof of citizenship***

CERTIFICATE OF MANDATORY TENDERER’S SITE VISIT

This is to certify that,
(Name of Tenderer or his representative) of the firm of,

..... (Name of Firm
Tendering)

Visited the site in connection with Tender for;

PROPOSED ASIAN QUARTERS TRANSPORT TERMINI MAIN WORKS (PHASE I)

Having previously studied the Tender documents, I have visited the site and;

- 1. I have made myself familiar with all the local conditions likely to influence the works and cost thereof.
- 2. I further certify that I am satisfied with the description of the work and the explanations given by the Client’s representative and that I understand perfectly the work to be done as specified and implied in the execution of the contract.

Signed.....
(Tenderer or his representative)

Witnessed.....
(Signature of Client’s representative)

Date.....

NB:

The County Government of Nyeri shall not be held liable for tenderer's failure to verify the details of works to be undertaken respect to their final tender sum.

KINDLY DULY FIIL THESE SUPPLIER DETAILS

Name of supplier	Registration Details(ID/Re gistration/Inc orporation	PIN Number	List of Directors, shareholders and Beneficial Owners(in case of a company	Name of Proprietor (for Sole Proprietor and Business	Business Contacts Information (telephone and email address	Postal address	Physical address	Tax Complian ce status	Business Permit/ License number	County Of Operation

PARTICULARS PRELIMINARIES

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs).
A	PRICING ITEMS OF PRELIMINARIES Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. 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. The contractor is advised to read and understand all preliminary items.	
B	DESCRIPTION OF THE WORKS The works to be carried out under this contract involves PROPOSED ASIAN QUARTERS TRANSPORT TERMINI MAIN WORKS (PHASE I)	
C	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.	
D	LOCATION OF SITE The site is located at ASIAN QUARTERS . The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor’s failure to do so will be entertained.	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	CLEARING AWAY 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.	
B	CLAIMS 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 claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claims shall be entertained upon the expiry of the said contract period.	
C	PAYMENTS The tenderer's attention is drawn to the fact that the EMPLOYER MAY MAKE ADVANCE PAYMENTS	
D	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 instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of normal activities being carried out by the Client. The Contractor shall allow in his rates any expense he deems necessary by taking such care within the site.	
E	BID SECURITY The contractor shall not provide a bid security duly signed, sealed and stamped from an approved Bank or Insurance company of required amount	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	WORKING CONDITIONS The Contractor shall allow in his rates for any interference that he may encounter in the course of execution 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.	
B	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.	
C	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.	
D	MATERIALS FROM DEMOLITIONS Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates the cost of transporting the demolished materials to the District Works Office -Nyeri Central	
E	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.	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	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.	
B	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 deems that he/she may incur by having to complete the works within the stipulated contract period.	
C	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.	
D	EXISTING SERVICES 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.	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	PERFORMANCE BOND A bond of 5 % of the contract sum will be required. 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.	
B	TENDER DOCUMENTS Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page 7	
C	DELIVERY OF TENDER 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.	
D	VALUE ADDED TAX 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 tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, withholding VAT will be levied against the contract sum by the Employer and remitted to the Commissioner of VAT through all interim certificates. The contractor should therefore include this tax in the Grand Summary page as indicated herein.	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
	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	3 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 from date of Possession
	Liquidated and Ascertained Damages	at a rate of Kshs25,000 Per week or part thereof
	Period of Interim Certificates	Monthly
	Period of Honouring Certificates	30 Days
	Percentage of Certified Value Retained	10%
	Limit of Retention Fund	10%
	Carried to Collection	

Item	DESCRIPTION	Kshs.
	COLLECTION 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	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

GENERAL PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A.	GENERAL PRELIMINARIES PRICING OF 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.	
B.	ABBREVIATIONS Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:- C.M. Shall mean cubic metre S.M. Shall mean square metre L.M. Shall mean linear metre MM Shall mean Millimeter 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.	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
A.	EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT Attendance ;Clause B 19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:- Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub- Contractors' work and being responsible for the accuracy of the same. Fix Only:- "Fix Only" shall mean take delivery at nearest railway station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.	
B.	EMPLOYER The County Government of Nyeri (Department of Land, Housing, Physical Planning and Urbanization)	
C.	The term "Employer" and "Government" wherever used in the contract document shall be synonymous 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.	
D.	ARCHITECT The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 372, NYERI.	
E.	QUANTITY SURVEYOR The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 372, NYERI.	
	Carried to Collection	

ITEM	DESCRIPTION	KSHS
A.	ELECTRICAL ENGINEER The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 372, NYERI.	
B.	MECHANICAL ENGINEER The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 372, NYERI.	
C	STRUCTURAL ENGINEER The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 372, NYERI.	
D	FORM OF CONTRACT The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works(2006 Edition) included herein The Conditions of Contract are also included herein Conditions of Contract These are numbered from 1 to 37 as set out in pages 20 to 48 of these tender documents. Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities	
E.	PERFORMANCE BOND. The Contractor shall find and submit on the Form of Tender an approved bank/Insurance Company and who will be willing to be bound the County Government to the specified 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.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	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.	
B.	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.	
C.	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 order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.	
D.	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	
E.	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 Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	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 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.	
B.	GOVERNMENT ACTS REGARDING WORKPEOPLE 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 information regarding all such regulations and/or restrictions which may affect the organization 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.	
C.	SECURITY OF WORKS ETC. The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	PUBLIC AND PRIVATE ROADS. Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER	
B.	EXISTING PROPERTY. The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER	
C.	VISIT SITE AND EXAMINE DRAWINGS. The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.	
D.	ACCESS TO SITE AND TEMPORARY ROADS. Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER	
E.	AREA TO BE OCCUPIED BY THE CONTRACTOR 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	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A. B. C. D. E.	OFFICE ETC. FOR THE PROJECT MANAGER The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the type noted in the Particular Preliminaries, 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 leveling staff, ranging rods and 50 metre metallic or linen tape. WATER AND ELECTRICITY SUPPLY FOR THE WORKS 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. SANITATION OF THE WORKS 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 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. 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 profit.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	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.	
B.	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.	
C.	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" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. 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.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	ADJUSTMENT OF PROVISIONAL SUMS. 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 , but should any part of the work be executed by a Nominated Sub-Contractor, 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.	
B.	NOMINATED SUB-CONTRACTORS 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".	
C.	DIRECT CONTRACTS Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.	
D.	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.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A. B. C. D.	INSURANCE The Contractor shall insure as required in Conditions No. 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. 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. ALTERATIONS TO BILLS, PRICING, ETC. Any unauthorized 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. BLASTING OPERATIONS 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.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	MATERIALS ARISING FROM EXCAVATIONS 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.	
B.	PROTECTION OF THE WORKS. 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.	
C.	REMOVAL OF RUBBISH ETC. 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.	
D.	WORKS TO BE DELIVERED UP CLEAN 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	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	KSHS
A.	GENERAL SPECIFICATION. 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 Public Works 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.	
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.	
C.	MATERIALS ON SITE 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.	
D.	HOARDING The Contractor shall secure the roof area during the re-roofing with strong nets to ensure no dangerous objects falls to the ground thus avoiding any injuries to people moving around the building.	
E.	CONTRACTOR'S SUPERINTENDENCE/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.	
	<i>Carried to Collection</i>	

ITEM	DESCRIPTION	KSHS
	COLLECTION 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 Brought Forward From Page GP/ 12	
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

BILL NO. 1 MARKET STALLS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	The following Block in Sixty No(60) Market Stalls				
	ELEMENT NO 1.				
	SUBSTRUCTURES				
	(ALL PROVISIONAL)				
	Excavations and Earth works				
A	Clear the site of all grass, shrubs, undergrowth and small trees including grubbing up roots and burn arisings	302	SM		
B	Excavate to remove top soil commencing from ground level, average depth 150mm and cart away arisings	255	SM		
C	Excavate oversite to reduce levels not exceeding 1 .5m deep starting from stripped level	136	CM		
D	Excavate for strip foundation trenches not exceeding 1.5 metres deep from reduced level	199	CM		
E	Excavate for column pits not exceeding 1.5 metres deep from reduced level	117	CM		
F	Allow for keeping excavations free of surface water by pumping or any other approved method		ITEM		
G	Allow for maintaining and upholding sides of excavation clear of all falling materials by plunking and strutting		ITEM		
H	Return, fill and ram selected excavated material around foundations and columns	142	CM		
J	Load and cart away from site surplus excavated material for disposal	310	CM		
	Imported filling				
K	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers	68	CM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	50mm thick approved murram or quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane Damp-Proof membrane	255	SM		
B	1000 gauge polythene damp proof membrane or equal and approved laid over blinded hardcore (m.s) with 200 mm end and side laps (measured net-no allowance for laps) Anti-termite treatment	255	SM		
C	Termidor 25 EC" or other equal and approved anti-termite chemical treatment applied by an approved pest control specialist with a 10 year warranty strictly applied according to manufacturer's printed instructions. Concrete work	255	SM		
	50mm thick blinding in plain concrete (1:4:8) under:-				
D	Strip foundation	133	SM		
E	Column bases Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:	37	SM		
F	Strip foundation	28	CM		
G	Column bases	14	CM		
H	Columns	5	CM		
J	150mm ground floor slab Steel Reinforcement (All Provisional)	255	SM		
	Supply, cut, bend and fix the following reinforcement deformed steel bars including tying wire, stirrups and spacer blocks to B.S. 4461				
K	8mm Ditto (D10)	98	KG		
L	10mm Ditto (D10)	551	KG		
M	12mm Ditto (D12)	1,308	KG		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Steel mesh fabric reinforcement to BS 4483	251	SM		
	BRC fabric mesh reinforcement ref: A142 weighing 2.22 kg / m2 laid with 200 mm laps (measured net-no allowance made for laps)				
	Sawn form work to:				
B	Sides of strip footing Edges of floor slab 75-150mm wide Sides of columns Sides of column footing	76	SM		
C		87	LM		
D		36	LM		
E		87	SM		
Foundation Walling					
F	200mm thick natural stone local 'Kiganjo' walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 25x3mm thick hoop iron in every alternate course	257	SM		
G	Bituminous felt damp proof courses laid on and including levelling screed of cement mortar	190	LM		
	200mm wide in walling				
	Cement and Sand (1:4) rendering				
H	20mm thick render to plinth steel floated smooth	56	SM		
J	Prepare and apply three coats bituminous paint	56	SM		
	Rendered surfaces externally				
K	Paving blocks	45	SM		
	600 x600 x50mm thick precast concrete paving slabs bedded and jointed in cement and sand (1:4) mortar laid on and including 50mm thick sand bed.				
	Total carried to collection				
	COLLECTION				
	Total brought forward from page ST/1 Total brought forward from page ST/2 Total brought forward from above				

	TOTAL FOR SUBSTRUCTURES CARRIED TO STALLS SUMMARY	
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2				
	REINFORCED CONCRETE SUPERSTRUCTURE				
	Vibrated reinforced concrete class 20/20				
A	in:- 150mm thick suspended slab	255	SM		
B	Beams	44	CM		
C	Columns	14	CM		
D	150mm thick landing	15	SM		
E	Staircases	3	CM		
	Reinforcement				
	<i>Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461</i>				
F	8mm diameter bars (D8) 10mm Ditto (D10)	1,117	KG		
G		2,534	KG		
H	12mm Ditto (D12)	2,313	KG		
J	16mm Ditto (D16)	1,869	KG		
	Sawn formwork to :-				
K	Soffits of suspended slabs	255	SM		
L	Sides and soffits of beams	560	SM		
M	Sides of Columns	75	SM		
N	Sides of landing slabs	15	SM		
p	Slopping soffits of stairs	12	SM		
Q	Edges of slab 75-150mm	190	LM		
R	Open string of staircase 300mm (extreme height) including cutting to profile of treads and risers	20	LM		
S	Risers 150-225mm high	41	LM		
T	Treads 225-300mm wide	34	LM		

	TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO STALLS SUMMARY	
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.3	285	SM		
	WALLING				
	External walling				
	Natural 'KIGANJO' quarry stone walling, bended and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course				
	150mm thick				
	Internal walling				
	Smooth Dressed 'Kiganjo' natural stone, bedded and jointed cement sand (1:3) mortar and reinforced in 25x3mm wide hoop irons in every alternate course				
	150mm thick				
B	150mm thick	545	SM		
	TOTAL FOR WALLING CARRIED TO STALLS SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO 4	368	SM		
	ROOFING				
	Roof Covering				
	IT5 Gauge 28 pre-painted galvanised iron sheets as MRM Covermax or equal and approved with and including J- bolts cups and washers laid with 95 mm side laps and 150 mm end laps fixed to existing purlins(m/s)				
	Matching cap				
	The following trusses fabricated welded and bolted in accordance with structural engineers details				
	50x50x3mm thick RHS rafter, tie beam and kingpost				
	50x50x3mm thick SHS ties and struts				
	100x50x 2mm thick Z - Purlin				
	100x50mm wall plate; fixed to concrete or masonry with and including approved bolts at 100mm centers				
	Rain water Disposal				
G	180mm half-round heavy gauge UPVC gutter as "metro" or equal and approved fixed to fascia board with and including matching brackets at 500mm centers	75	LM		
H	100mm diameter rainwater UPVC down pipe with matching brackets at 1000mm centers	45	LM		
J	Extra-over down pipe for 100mm bend	4	NO		
K	Extra over for shoe	4	NO		
TOTAL FOR ROOFING CARRIED TO STALLS SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 5	60	NO		
	STEEL DOOR				
	Supply, assemble and fix the following				
	purpose made double leaf steel folding				
	door, overall size 1700x 2100mm high,				
	fabricated to architects detail, using				
	40x40x3mm SHS outer and internal				
	framing and 3mm mild steel sheet, with				
	300mm high fixed fan light with				
	25x25x3mm burglarproofing at the top				
	complete with all necessary iron-mongery				
	and fixing to masonry wall with				
	cement/sand and steel lugs with two coats				
	of metal primer				
B	Steel door size 1700 x 2100mm high	35	SM		
	Clear sheet glazing and fixing putty				
C	4mm clear sheet	255	SM		
	Touch up primer and apply one undercoat				
	and two finishing coats of first quality				
	super gloss paint to:-				
	General surfaces of metal doors (b.s.m)				
TOTAL FOR DOORS CARRIED TO STALLS SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO 6	125	SM		
	EXTERNAL FINISHES				
	Cement/Lime/Sand (1:2:9) plaster				
	25mm rendering to beams, column and wall finished with a wood float thickness				
	Prepare and apply two coats special external paint as 'Wall master' or other equal and approved set in approved colour and pattern.				
B	General rendered surfaces externally	125	SM		
	TOTAL FOR EXTERNAL FINISHES CARRIED TO STALLS SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT					
A	ELEMENT NO. 7									
	INTERNAL FINISHES									
	FLOOR									
	Cement and sand (1:4) screeding smooth trowelled.									
	25mm thick cement sand screed coloured red oxide									
	B	100mm high ditto skirting	502	SM						
		WALL FINISHES								
		Cement: Lime: Sand (1:2:9) plaster								
		C					1 5mm thick plaster to walls	364	LM	
		D					Ditto to ceiling surfaces	820	SM	
							Prepare and apply one undercoat and two finishing coats of first quality silk vinyl paint on:	238	SM	
	E		Plastered surface of walls, Columns and beams	820	SM					
	F		Plastered surface of ceiling	238	SM					
	TOTAL FOR INTERNAL FINISHES CARRIED TO STALLS SUMMARY									

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO 8	97	LM		
	STEEL COLUMNS AND BALUSTRADING				
	Steel columns				
	100mm diameter black pipe class B with U section welded top to receive wall plate, bottom anchored in concrete and sides welded to rails				
	Mild Steel Balustrading				
	Supply assemble and fix 1500mm high purpose made mild steel balustrading comprising of 50mm diameter black pipe hand rail, middle and bottom rail and 40x40x3mm SHS main vertical balusters at 1000mm centres and 25x25x3mm SHS infill balusters at 150 mm centres all to Architects detail including fixing into concrete slab and steel columns; and two coats first grade primer				
	Prepare and apply two undercoats and finishing coat of gloss oil paint to:-				
B		80	LM		
C	General surfaces of metal (measured overall)	96	SM		
TOTAL FOR BALUSTRADING CARRIED TO STALLS SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	STALLS SUMMARY				
	Substructures				
	Reinforced Concrete Substructure				
	Walling				
	Roofing				
	Doors				
	External Finishes				
	Internal Finishes				
	Balustrading				
	TOTAL FOR ONE MARKET-STALLS BLOCK				10
	X NO OF BLOCKS				
	TOTAL FOR 10 NO MARKET STALL BLOCKS CARRIED TO GRAND SUMMARY				

BILL NO 2. WAITING BAY AND BOOKING BAYS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	The following in 1 No. Booking and Passenger Bays				
	ELEMENT NO 1.				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	Excavations and Earth works				
A	Clear the site of all grass, shrubs, undergrowth and small trees including grubbing up roots and burn arisings	48	SM		
B	Excavate to remove top soil commencing from ground level, average depth 150mm	48	SM		
C	Excavate oversite to reduce levels not exceeding 1.5m deep starting from stripped level	17	CM		
D	Excavate for strip foundation trenches not exceeding 1.5 metres deep from reduced level	35	CM		
E	Allow for keeping excavations free of surface water by pumping or any other approved method		ITEM		
F	Allow for maintaing and upholding sides of excavation clear of all falling materials by plunking and strutting		ITEM		
G	Return, fill and ram selected excavated material around foundations and columns	23	CM		
H	Load and cart away from site surplus excavated material for disposal	29	CM		
J	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers	4	CM		
K	50mm thick approved quality murram or quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane	11	SM		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Substructure (Continued)	11	SM		
	Damn-Proof membrane				
	1000 gauge polythene damp proof membrane or equal and approved laid over blinded hardcore (m.s) with 200 mm end and side laps (measured net-no allowance for laps)				
	Anti-termite treatment				
B	Termidor 25 EC" or other equal and approved anti-termite chemical treatment applied by an approved pest control specialist with a 10 year warranty strictly applied according to manufacturer's printed instructions.	11	SM		
	Concrete work				
C	50mm thick blinding in plain concrete (1:4:8) in:-	15	SM		
	Strip footing				
	Vibrated reinforced concrete (1:2:4/20-20mm)				
D	aggregate as described in:	5	CM		
	Foundation strip footing				
E	150 mm floor bed	11	SM		
F	Concrete columns	5	CM		
G	Reinforcement (All Provisional)	56	KG		
	Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461				
	8mm Ditto (D10)				
	10mm Ditto (D10)				
H	Steel mesh fabric reinforcement to BS 4483	66	KG		
J	B.R.C fabric mesh reinforcement ref:A142 weighing 2.22 kg / m2 laid with 200 mm laps (measured net-no allowance made for laps)	11	SM		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Substructure (Continued)				
	Sawn form work to:				
A	Sides of strip footing	13	SM		
B	Edges of floor slab 75-150mm wide	13	LM		
	Load bearing natural stone rough walling in cement and sand mortar				
C	200mm thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 25x3mm thick hoop iron in every alternate course	46	SM		
	Bituminous felt damp proof courses laid on and including leveling screed of cement mortar				
D	200mm wide in walling	31	LM		
	Cement and Sand (1:4) rendering				
E	20mm thick rendering to concrete and masonry surfaces finished with a steel float trowelled	8	SM		
	Prepare and apply three coats bituminous paint				
F	Rendered surfaces externally	8	SM		
	Carried to collection				
	COLLECTION				
	<i>Total carried forward from page Booking- Waiting Bay/1</i>				
	<i>Total carried forward from page Booking-Waiting Bay/2</i>				
	<i>Total carried forward from above</i>				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.2	1	CM		
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Vibrated reinforced concrete class 20/20 in:-				
	Beams				
	Reinforcement				
	Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461				
B	8mm diameter high tensile ribbed bars (D8)	23	KG		
C	10mm Ditto (D 10)	31	KG		
	Sawn formwork to :-				
D	Sides and soffits of beams	10	SM		
TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.3	22	SM		
	WALLING				
	External walling				
	Natural 'KIGANJO' quarry stone walling, bended and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course				
	150mm thick walling				
	Internal walling				
	Smooth Dressed 'Kiganjo' natural stone, bedded and jointed cement sand (1:3) mortar and reinforced in 25x3mm wide hoop irons in every alternate course				
	150mm thick walling				
	Permanent ventilation				
	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze				
B	150mm thick walling	11	SM		
C	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	6	NO		
D	Leave or form hole in 200mm thick wall size 225 x 225mm wide	6	NO		
TOTAL FOR WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO 4	60	SM		
	ROOFING				
	Roof Covering				
	1 5mm thick curved polycarbonate roofing sheets in approved colour fixed to steel purlins with and including J-bolts all to details				
	Matching ridge cap				
	The following trusses fabricated welded and bolted in accordance with structural engineers details				
	50mm dia class B black pipe rafter, tie beam and kingpost				
	Ditto ties and struts				
	100x50x 2mm thick Z - Purlin				
	100x50mm wall plate; fixed to concrete or masonry with and including approved bolts at 100mm centers				
	Rain water Disposal				
	180mm half-round heavy gauge UPVC gutter as "metro" or equal and approved fixed to fascia board with and including matching brackets at 500mm centers				
	100mm diameter rainwater UPVC down pipe with matching brackets at 1000mm centers				
	Extra-over down pipe for 100mm bend				
	Extra over for shoe				
Steel Columns	60	LM			
75mm dia black pipe columns bolted to concrete columns about 3000 mm high					
Extra-over steel columns for 1 50x1 50x6mm mild steel plate anchor plate					
M	2	SM			
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Prepare and apply by spraying one coat of red oxide primer on;-	87	SM		
	General surfaces of metal				
	Prepare and apply by spraying three coats of gloss oil paint				
B	General surfaces of metal	87	SM		
TOTAL CARRIED TO COLLECTION					
COLLECTION					
<i>Total carried forward from page Booking- Waiting Bay/6</i>					
<i>Total carried forward from Above</i>					
TOTAL FOR ROOFING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 5	5	LM		
	WINDOWS				
	Precast Concrete, once throated fixed with cement and sand (1:3) mortar				
	250x75mm Thick window cill				
	Supply and fix the following purpose made small panel mild steel once shipped primed window to schedule with pressed steel ventilating hood and 25x6mm mild steel flat to match window division burglar proofing in openings and polished in openings; complete with approved brass fasteners and stays 12 mm mild and fixed to metal jambs and concrete head.				
B	Window overall size 1500 wide x 1500 mm high	2	NO		
C	Window overall size 900 wide x 1500 mm high	2	NO		
	Clear Sheet Glass				
E	4mm glass and glazing to metal putty in panes not exceeding 0.1 square meter	8	SM		
	Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-				
G	General surfaces of windows and burglar bars (measured overall)	8	SM		
TOTAL FOR WINDOWS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 6	2	NO		
	STEEL DOORS				
	Supply, assemble and fix the following purpose made steel panneled door size 900x 2100mm high fabricated from 40x40x3mm SHS outer and internal framing; and 3mm mild steel plate complete with 40x40mm angle door frame, hinges, handles and all necessary locking accessories; all primed with two coats metal primer				
	Steel door overall size 900x2 100mm high				
	Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-				
D	General surfaces of metal doors	8	SM		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A B C D	ELEMENT NO. 8	11	SM		
	INTERNAL FINISHES				
	FLOOR				
	Cement and sand (1:4) paving :-				
	25 mm thick finish in coloured red oxide to approval				
	100mm high ditto skirting	14	LM		
	WALL FINISHES				
	Cement: Lime: Sand (1:2:9) plaster	25	SM		
	1 5mm thick two coat cement sans (1:4) plaster trowelled smooth and comprising 12mm backing and 3mm finishing coat				
	Prepare and apply one undercoat and two finishing coats of first quality silk vinyl paint on:				
	Plastered surface of walls				
TOTAL FOR FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 9	15	CM		
	CABRO PAVING				
	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers				
	50mm Thick quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane				
	Cabro concrete block paving				
C	Heavy duty industrial concrete paving blocks size (210 x 105 x 80mm) minimum strength 49N/mm laid to slope on quarry dust and compacted.	35	SM		
D	125x250mm high kerb and 125x100mm thick channel block including 350x100mm haunching , earth works, formworks and splayed edge one side.	42	LM		
TOTAL FOR CABRO PAVING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 10				
	FIXTURES				
	The following in 400mm wide concrete benches (ALL PROVISIONAL)				
	Reinforced concrete class 20/20				
	A 75 mm thick benches				
	B BRC Mesh reinforcement A1 142				
	Sawn formwork				
	C To soffits of benches				
	Cement/sand 1:3				
	D 15mm plaster				
	Prepare and apply one undercoat and two finishing coats of first quality silk vinyl paint on:				
	E Plastered surfaces of benches				
	TOTAL FOR FIXTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Substructure				
2	Reinforced Concrete Superstructure				
3	Walling				
4	Roofing				
5	Windows				
6	Doors				
7	External Finishes				
8	Internal Finishes				
9	Cabro paving				
10	Fixtures				
TOTAL FOR 1 NO BOOKING AND WAITING BAY					
	X NO OF BAYS				20
TOTAL FOR 20 N0. BOOKING AND WAITING BAYS CARRIED TO GRAND SUMMARY					

BILL NO. 3 ABLUTION BLOCKS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	The following in 1 No. Ablution Block				
	ELEMENT NO 1.				
	SUBSTRUCTURES				
	(ALL PROVISIONAL)				
	Excavations and Earth works				
A	Clear the site of all grass, shrubs, undergrowth and small trees including grubbing up roots and burn arisings	87	SM		
B	Excavate to remove top soil commencing from ground level, average depth 150mm	87	SM		
C	Excavate oversite to reduce levels not exceeding 1.5m deep starting from stripped level	26	CM		
D	Excavate for strip foundation trenches not exceeding 1.5 metres deep from reduced level	88	CM		
E	Excavate for column pits not exceeding 1.5 metres deep from reduced level	20	CM		
F	Allow for keeping excavations free of surface water by pumping or any other approved method		ITEM		
G	Allow for maintaining and upholding sides of excavation clear of all falling materials by plunking and strutting		ITEM		
H	Return, fill and ram selected excavated material around foundations and columns	49	CM		
J	Load and cart away from site surplus excavated material not exceeding 10m away and spread as directed	59	CM		
K	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers	21	CM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	50mm Thick approved quality murrum or quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane Damp-Proof membrane	87	SM		
B	1000 gauge polythene damp proof membrane or equal and approved laid over blinded hardcore (m.s) with 200 mm end and side laps (measured net-no allowance for laps) Anti-termite treatment	87	SM		
C	Termidor 25 EC" or other equal and approved anti-termite chemical treatment applied by an approved pest control specialist with a 10 year warranty strictly applied according to manufacturer's printed instructions. Concrete Work	87	SM		
	50mm thick blinding in plain concrete (1:4:8) in:-				
D	Strip footing	60	SM		
E	Column footing	13	SM		
	Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:-				
F	Strip foundation	12	CM		
G	Column bases	8	CM		
H	Columns	3	CM		
J	150mm ground slabs	87	SM		
	Reinforcement (All Provisional)				
	Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461				
K	8mm Ditto (D10)	220	KG		
L	10mm Ditto (D10)	208	KG		
M	12mm Ditto (D12)	328	KG		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Steel Mesh Fabric Reinforcement to BS 4483	87	SM		
	B.R.C fabric mesh reinforcement ref: A142 weighing 2.22 kg / m2 laid with 200 mm laps (measured net-no allowance made for laps)				
	Sawn form work to:				
B	Sides of strip footing	39	SM		
C	Edges of floor slab 75-150mm wide	37	LM		
D	Sides of columns	37	LM		
E	Sides of column footing	37	LM		
F	Natural 'KIGANJO' quarry stone walling, bedded and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course	122	SM		
	200mm thick				
	Bituminous felt damp proof courses laid on and including leveling screed of cement mortar				
G	200mm wide in walling	98	LM		
	Cement and Sand (1:4) rendering				
H	20mm thick rendering to concrete and masonry surfaces finished with a steel float trowelled	15	SM		
J	Prepare and apply three coats bituminous paint	15	SM		
	Rendered surfaces externally				
K	Paving blocks	23	SM		
	600 x600 x50mm thick precast concrete paving slabs bedded and jointed in cement and sand (1:4) mortar laid on and including 50mm thick sand bed.				
	Carried to collection				
	COLLECTION				
	<i>Total carried forward from page AB/1</i>				
	<i>Total carried forward from page AB/2</i>				
	<i>Total carried forward from above</i>				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2				
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Vibrated reinforced concrete class 20/20 in:-				
A	Beams	6	CM		
B	Column	5	CM		
C	150mm thick suspended slab	85	SM		
D	Concrete gutter	5	CM		
	Reinforcement (All Provisional)				
	<i>Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461</i>				
E	Assorted bars in various diameter	1,750	KG		
F	8mm diameter bars (D8)	217	KG		
G	10mm Ditto (D10)	1,176	KG		
H	12mm Ditto (D12)	806	KG		
	Sawn Formwork				
J	Sides and soffits of beams	51	SM		
K	Sides of Column	33	SM		
L	Edges of suspended slab 75-150mm high	56	LM		
M	Soffits of suspended slab	85	SM		
N	Sides and soffits of concrete gutter	23	SM		
	TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.3	65	SM		
	WALLING				
	External walling				
	Natural 'KIGANJO' quarry stone walling, bended and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course				
	200mm thick walling				
	Internal walling				
	Smooth Dressed 'Kiganjo' natural stone, bedded and jointed cement sand (1:3) mortar and reinforced in 25x3mm wide hoop irons in every alternate course				
	200mm thick walling				
	150mm thick				
	Permanent ventilation				
D	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	6	NO		
E	Leave or form hole in 200mm thick wall size 225 x 225mm wide	6	NO		
TOTAL FOR WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 4	19	LM		
	WINDOWS				
	Precast Concrete, once throated fixed with cement and sand (1:3) mortar				
	250x75mm thick window cill				
	Supply and fix the following purpose made small panel mild steel once shopped primed window to schedule with pressed steel ventilating hood and 25x6mm mild steel flat to match window division burglar proofing in openings and polished in openings; complete with approved brass fasteners and stays 12 mm mild and fixed to metal jambs and concrete head.				
B	Window overall size 1000 wide x 1500 mm high	4	NO		
C	Window overall size 900 wide x 900 mm high	16	NO		
	Clear Sheet Glass				
D	4mm glass and glazing to metal putty in panes not exceeding 0.1 square meter	6	SM		
	Obscured sheet glass				
E	4mm glass and glazing to metal putty in panes not exceeding 0.1 square meter	13	SM		
	Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-				
F	General surfaces of windows and burglar bars (b.s.m)	38	SM		
TOTAL FOR WINDOWS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 6	1	NO		
	DOORS				
	Steel Doors				
	Steel grill external door in two equal leafs overall size 3200 x 2100mm high fabricated using 40x40x3mm SHS outer and internal framing and 25x25x3mm SHS vertical and horizontal in fills at 1 50mm centres both ways complete with all necessary opening and locking sections				
	Supply and fix the following purpose made mild steel panelled door made from 50x37.5 x3mm RHS outer framing, and 25 x25x 3mm vertical and horizontal members, steel panelled plate with 1000mm glazed top complete with 3 -lever Union lock and all other necessary fittings				
B	Size 900 x 2400mm high single leaf door	2	NO		
C	Flush doors to BS 459(part 2)	16	NO		
	45mm Thick semi-solid core beech laminated flush door and hardwood lipped all round overall size 800 x 2060 mm high with extra over with formica life seal				
D	Wrot Cypress	84	LM		
	150 x 50mm door frame once rebated to detail				
E	40 x 25mm architrave	82	LM		
F	25mm diameter quadrant bead	82	LM		
G	Iron mongery	16	NO		
	Supply and fix the following "UNION" ironmongery with matching screws				
	Two lever mortice lock complete with brass handles				
H	100mm brass butt hinges	24	PRS		
J	38mm diameter rubber door stop fixed to wall or floor	20	NO		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Brass tower bolts	16	NO		
B	Indicator bolts	14	NO		
	Prepare surfaces and apply two undercoats stainer and two finishing coats of varnish to:-				
C	General surfaces of wooden doors	61	SM		
D	Surfaces not exceeding 100mm girth	82	LM		
E	Surfaces exceeding 100mm but not exceeding 200mm girth	84	LM		
	Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-				
D	General surfaces of metal doors (measured overall)	28	SM		
	Total carried to Collection				
	COLLECTION				
	<i>Total brought forward from page AB./7</i>				
	<i>Total brought forward from above</i>				
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO 7	28	SM		
	EXTERNAL FINISHES				
	Cement: Lime: Sand (1:2:9) plaster				
	25mm rendering to beams, columns and wall finished with a wood float				
	Prepare and apply two coats special external paint as 'Wallmaster' or other equal and approved set in approved colour and pattern.				
B	General rendered surfaces externally	28	SM		
C	Waterproofing	95	SM		
	Prepare surface to receive water proofing by cleaning surface and laying 24mm thick troweled smooth cement sand screed to falls. Apply approved waterproof cement				
D	Lay Sirrah P GR 5Kg/SM-APP bituminous membrane or approved equal and equivalent in accordance with manufacturer's instructions	95	SM		
TOTAL FOR EXTERNAL FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 8	84	SM		
	INTERNAL FINISHES				
	FLOOR				
	Cement and sand (1:4) paving :-				
	25 mm thick paving under floors finished with a wood float to receive floor finish				
	Ceramic floor tiles				
	300 x 300 x 8 mm thick Saj Ceramics floor tiles laid on backing screed (m.s) with and including an approved adhesive and pointed with matching cement				
	100mm high ditto skirting				
	WALL FINISHES				
	Coloured glazed ceramic wall tiles and fittings				
	200 x 300 x 6mm thick approved coloured tiles bedded and jointed in cement and sand (1:1) and pointed in coloured cement gouting				
	15mm thick cement and sand backing on wall finished with wood float to receive ceramic wall tiles (m.s)				
	Cement: Lime: Sand (1:2:9) plaster				
	15mm thick plaster to walls				
Prepare and apply one undercoat and two finishing coats of first quality silk vinyl paint on:					
G	Plastered surface of walls	177	SM		
H	Plastered surface of ceiling	73	SM		
TOTAL FOR INTERNAL FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
	Substructure				
	Reinforced Concrete Superstructure				
	Walling				
	Windows				
	Doors				
	External Finishes				
	Internal Finishes				
	TOTAL FOR 1 NO. ABLUTION BLOCK				
	X NO OF ABLUTION BLOCKS				4
	TOTAL FOR ABLUTION BLOCKS CARRIED TO GRAND SUMMARY				

BILL NO. 4 ADMINISTRATION OFFICE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 1.				
	SUBSTRUCTURES				
	(ALL PROVISIONAL)				
	Excavations and Earth works				
A	Clear the site of all grass, shrubs, undergrowth and small trees including grubbing up roots and burn arisings	90	SM		
B	Excavate to remove top soil commencing from ground level, average depth 150mm	90	SM		
C	Excavate oversite to reduce levels not exceeding 1 .5m deep starting from stripped level	27	CM		
D	Excavate for strip foundation trenches not exceeding 1.5 metres deep from reduced level	73	CM		
E	Allow for keeping excavations free of surface water by pumping or any other approved method		ITEM		
F	Allow for maintaining and upholding sides of excavation clear of all falling materials by plunking and strutting		ITEM		
G	Return, fill and ram selected excavated material around foundations and columns	33	CM		
H	Load and cart away from site surplus excavated material not exceeding 1 0m away and spread as directed	40	CM		
J	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers	22	CM		
K	50mm Thick approved quality murram or quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane	90	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Damp-Proof membrane	90	SM		
	1000 gauge polythene damp proof membrane or equal and approved laid over blinded hardcore (m.s) with 200 mm end and side laps (measured net-no allowance for laps)				
	Anti-termite treatment				
B	Termidor 25 EC" or other equal and approved anti-termite chemical treatment applied by an approved pest control specialist with a 10 year warranty strictly applied according to manufacturer's printed instructions.	90	SM		
C	50mm thick blinding in plain concrete (1:4:8) in:-	49	SM		
	Strip footing				
	Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:				
D	Foundation strip footing	12	CM		
E	150mm ground floor bed	90	SM		
	Reinforcement (All Provisional)				
	Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461				
F	8mm Ditto (D10)	430	KG		
G	10mm Ditto (D10)	172	KG		
	Steel mesh fabric reinforcement to BS 4483				
H	B.R.C fabric mesh reinforcement ref: A142 weighing 2.22 kg / m2 laid with 200 mm laps (measured net-no allowance made for laps)	90	SM		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Sawn form work to:				
A	Sides of strip footing	32	SM		
B	Edges of floor slab 75-150mm wide	41	LM		
	Natural 'KIGANJO' quarry stone walling, bedded and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course				
C	200mm thick	101	SM		
	Bituminous felt damp proof courses laid on and including leveling screed of cement mortar				
D	200mm wide in walling	81	LM		
	Cement and Sand (1:4) rendering				
E	20mm thick rendering to concrete and masonry surfaces finished with a steel float trowelled	14	SM		
	Prepare and apply three coats bituminous paint				
F	Rendered surfaces externally	14	SM		
	Paving blocks				
G	600 x600 x50mm thick precast concrete paving slabs bedded and jointed in cement and sand (1:4) mortar laid on and including 50mm thick sand bed.	42	SM		
	Carried to collection				
	COLLECTION				
	<i>Total carried forward from page Revenue/1</i>				
	<i>Total carried forward from page Revenue/2</i>				
	<i>Total carried forward from above</i>				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.3	62	SM		
	WALLING				
	External walling				
	Natural 'KIGANJO' quarry stone walling, bended and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course				
	200mm thick walling				
	Ditto to gable walling				
	Internal walling				
	Smooth dressed 'Kiganjo' natural stone, bedded and jointed cement sand (1:3) mortar and reinforced in 25x3mm wide hoop irons in every alternate course				
	200mm thick walling				
	Permanent ventilation				
D	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	21	NO		
E	Leave or form hole in 200mm thick wall size 225 x 225mm wide	21	NO		
TOTAL FOR WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 4				
	ROOFING				
	Roof Covering				
A	IT5 Gauge 28 pre-painted galvanised iron sheets as MRM Covermax or equal and approved with and including J- bolts cups and washers laid with 95 mm side laps and 150 mm end laps fixed to existing purlins(m/s)	123	SM		
B	Matching ridge cap	65	LM		
	The following in mild steel trusses fabricated welded and bolted in accordance with structural engineers details				
C	75x50x3mm thick RHS rafter, tie beam and Kingpost	197	LM		
D	50x50x3mm thick SHS ties and struts	117	LM		
E	150x50x 2mm thick Z - Purlin	129	LM		
F	100x50mm wall plate; fixed to concrete or masonry with and including approved bolts at 100mm centers	30	LM		
	Rain water Disposal				
G	180mm half-round heavy gauge UPVC gutter as "metro" or equal and approved fixed to fascia board with and including matching brackets at 500mm centers	31	LM		
H	100mm diameter rainwater UPVC down pipe with matching brackets at 1000mm centers	6	LM		
J	Extra-over down pipe for 100mm bend	2	NO		
K	Extra over for shoe	2	NO		
	TOTAL FOR ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 5	15	LM		
	WINDOWS				
	Precast Concrete, once throated fixed with cement and sand (1:3) mortar				
	250x75mm Thick window cill				
	Supply and fix the following purpose made small panel mild steel once shopped primed window to schedule with pressed steel ventilating hood and 25x6mm mild steel flat to match window division burglar proofing in openings and polished in openings; complete with approved brass fasteners and stays 12 mm mild and fixed to metal jambs and concrete head.				
B	Window overall size 1500 wide x 1450 mm high	5	NO		
C	Window overall size 1200 wide x 1450 mm high	4	NO		
D	Window overall size 900 wide x 1450 mm high	3	NO		
E	Clear Sheet Glass	15	SM		
	4mm glass and glazing to metal putty in panes not exceeding 0.1 square meter				
	Obscured sheet glass				
F	4mm glass and glazing to metal putty in panes not exceeding 0.1 square meter	7	SM		
	Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-				
G	General surfaces of windows and burglar bars (b.s.m)	45	SM		
TOTAL FOR WINDOWS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 6	6	NO		
	DOORS				
	Supply, assemble and fix the following				
	purpose made steel casement door to comply				
	with BS 990 obtained from an approved				
	manufacturer, once shopped primed with red				
	oxide before delivery to site complete with				
	hinges, handles, catches and building in lugs.				
	Steel casement double leaf door overall size 900x2400mm high, consisting of steel framing, bracing and infill to Architect's details and all necessary ironmongery				
	Flush doors to BS 459(part 2)				
	45mm Thick semi-solid core beech laminated flush door and hardwood lipped all round overall size 800 x 2060 mm high.				
	Frames and finishing in wrot Cypress				
	150 x 50mm frame once rebated to detail				
	40 x 25mm architrave				
	25mm diameter quadrant bead				
	Iron mongery				
F	Supply and fix the following "UNION"	3	NO		
	ironmongery with matching screws				
	Two lever mortice lock complete with brass handles				
	100mm brass butt hinges				
	38mm diameter rubber door stop fixed to wall or floor				
J	Brass tower bolts	3	NO		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Prepare surfaces and apply two undercoats	12	SM		
	stainer and two finishing coats of varnish to:-				
	General surfaces of wooden doors				
	Surfaces not exceeding 100mm girth				
	Surfaces exceeding 100mm but not exceeding 200mm girth				
	Touch up primer and apply one undercoat				
B	and two finishing coats of first quality super	18	LM		
	gloss paint to:-				
C	General surfaces of metal doors (b.s.m)	27	SM		
Total carried to Collection					
	COLLECTION				
	<i>Total brought forward from page Revenue/8</i>				
	<i>Total brought forward from above</i>				
TOTAL FOR DOORS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 8	75	SM		
	INTERNAL FINISHES				
	FLOOR				
	Cement and sand (1:4) paving :-				
	25 mm thick paving under floors finished with a wood float to receive floor finish				
	Granito floor tiles				
	600 x 600x 8 mm thick granito polished floor tiles laid on backing screed (m.s) with and including an approved adhesive and pointed with matching cement grouting				
	100mm high ditto skirting				
	WALL FINISHES				
	Coloured glazed ceramic wall tiles and fittings				
F	200 x 300 x 6mm thick approved coloured tiles bedded and jointed in cement and sand (1:1) and pointed in coloured cement gouting	21	SM		
G	15mm thick cement and sand backing on wall finished with wood float to receive ceramic wall tiles (m.s)	21	SM		
H	Cement: Lime: Sand (1:2:9) plaster	162	SM		
	15mm thick plaster to walls				
	Prepare and apply one undercoat and two finishing coats of first quality silk vinyl paint on:				
J	Plastered surface of walls	162	SM		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	CEILING FINISHES	271	LM		
	Sawn cypress				
	50x50mm brandering				
	Ceiling Boards				
	12mm celotex soft board ceiling board fixed to brandering (m.s)				
	Extra over for forming 600x600mm trap door with cypress framing				
	100x50mm moulded cornice plugged				
	Prepare and apply two undercoats stainer and two finishing coats of varnish to:-:				
E	General surfaces of ceiling boards	75	SM		
F	Surfaces not exceeding 100mm girth to cornice	116	LM		
	Total carried to collection				
	COLLECTION				
	Total brought forward from page Revenue/11				
	Total brought forward from above				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
	1	Substructure			
	2	Reinforced Concrete Superstructure			
	3	Walling			
	4	Roofing			
	5	Windows			
	6	Doors			
	7	External Finishes			
	8	Internal Finishes			
	TOTAL FOR ADMINISTRATION OFFICE CARRIED TO GRAND SUMMARY				

BILL NO 5. REFUSE CHAMBER

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	The following in 1 No. Refuse Chamber				
	ELEMENT NO 1.				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	Excavations and Earth works				
A	Clear the site of all grass, shrubs, undergrowth and small trees including grubbing up roots and burn arisings	30	SM		
B	Excavate to remove top soil commencing from ground level, average depth 150mm	30	SM		
C	Excavate oversite to reduce levels not exceeding 1.5m deep starting from stripped level	9	CM		
D	Excavate for strip foundation trenches not exceeding 1.5 metres deep from reduced level	18	CM		
E	Allow for keeping excavations free of surface water by pumping or any other approved method		ITEM		
F	Allow for maintaining and upholding sides of excavation clear of all falling materials by plunking and strutting		ITEM		
G	Return, fill and ram selected excavated material around foundations and columns	8	CM		
H	Load and cart away from site surplus excavated material not exceeding 10m away and spread as directed	10	CM		
	Imported filling				
J	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers	8	CM		
K	50mm Thick approved quality murrum or quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane	24	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Damp-Proof membrane	24	SM		
	1000 gauge polythene damp proof membrane or equal and approved laid over blinded hardcore (m.s) with 200 mm end and side laps (measured net-no allowance for laps)				
B	Anti-termite treatment	24	SM		
	Termidor 25 EC" or other equal and approved anti-termite chemical treatment applied by an approved pest control specialist with a 10 year warranty strictly applied according to manufacturer's printed instructions.				
C	Concrete work	12	SM		
	50mm thick blinding in plain concrete (1:4:8) in:-				
	Strip footing				
	Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:				
D	Foundation strip footing	3	CM		
E	150mm Ground Floor bed	24	SM		
F	Reinforcement (All Provisional)	34	KG		
	Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461				
	8mm Ditto (D10)				
	10mm Ditto (D10)				
G	Steel mesh fabric reinforcement toBS 4483	38	KG		
H	B.R.C fabric mesh reinforcement ref: A142 weighing 2.22 kg / m2 laid with 200 mm laps (measured net-no allowance made for laps)	24	SM		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Sawn form work to:	8	SM		
	Sides of strip footing				
B	Edges of floor slab 75-150mm wide	20	LM		
C	Load bearing natural stone rough walling in cement and sand mortar	24	SM		
	200mm thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 25x3mm thick hoop iron in every alternate course				
	Bituminous felt damp proof courses laid on and including leveling screed of cement mortar				
D	200mm wide in walling	20	LM		
E	Cement and Sand (1:4) rendering	9	SM		
	20mm thick rendering to concrete and masonry surfaces finished with a steel float trowelled				
	Prepare and apply three coats bituminous paint				
F	Rendered surfaces externally	9	SM		
	Carried to collection				
	COLLECTION				
	Total carried forward from page RF/1				
	Total carried forward from page RF/2				
	Total carried forward from above				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.2	28	SM		
	SUPERSTRUCTURE				
	External walling				
	Natural 'KIGANJO' quarry stone walling, bended and jointed in cement sand mortar 1:3 reinforced with 25 x 3mm thick hoop iron at every alternate course				
	200mm thick walling				
	DOORS				
	Supply, assemble and fix the following purpose made grille door, obtained from an approved manufacturer, comprising of 40x40x1 .5mm thick vertical and horizontal framing, 25x25x1.5mm middle rail and bracing, and wire mesh infill to detail, once shipped primed with red oxide before delivery to site complete with hinges, handles, catches and building in lugs.				
B	1500x1800mm high	1	NO		
	Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-				
C	General surfaces of metal doors (b.s.m)	6	SM		
	WALL FINISHES				
D	Extra over wall for vertical pointing and horizontal keying externally	28	SM		
	Cement: Lime: Sand (1:2:9) plaster				
E	15mm thick two coat cement sans (1:4) plaster trowelled smooth and comprising 12mm backing and 3mm finishing coat	28	SM		
	Prepare and apply one undercoat and two finishing coats of first quality silk vinyl paint on:				
F	Plastered surface of walls	28	SM		
TOTAL FOR FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
	Substructure Superstructure				
	TOTAL FOR ONE No(1) REFUSE CHAMBER	CARRIED	TO	MAIN	
	SUMMARY				
	X NO OF REFUSE CHAMBERS				2
	TOTAL FOR REFUSE CHAMBERS CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRIME COST SUMS				
	<i>The following works to be undertaken by nominated specialized sub-contractors</i>				
A	Provide a Prime Cost Sum of Kenya Shillings Thirty Nine Million for Electrical Works				
B	Allow for Attendance			%	
C	Allow for Profit			%	
D	Provide a Prime Cost Sum of Kenya Shillings Twenty Three Million for Plumbing and Drainage Works				
E	Allow for Attendance			%	
F	Allow for Profit			%	
	PROVISIONAL SUMS				
	<i>The following funds to be expensed as per instructions of the Project Manager</i>				
G	Provide a Provisional Sum of Kenya Shillings One Million for Landscaping				
H	Provide a Provisional Sum of Kenya Shillings Five Hundred Thousand for Storm Water Drainage				
J	Provide a Provisional Sum of Kenya Shillings Ten Million for Contingencies				
K	Provide a Provisional Sum of Kenya Shillings One Million for Project Management				
L	Provide a Provisional Sum of Kenya Shillings One Million for Office Equipment and stationery				
TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO GRAND SUMMRY					

GRAND SUMMARY

ITEMS	TENDERER'S AMOUNT	OFFICIAL USE ONLY
Particular Preliminaries		
General Preliminaries		
Market Stalls		
Booking And Passenger Bays		
Ablution Blocks		
Administration Office		
Refuse Chamber		
Prime Cost And Provisional Sums		
SUB - TOTAL		
ADD 16% V.A.T		
GRAND TOTAL CARRIED TO FORM OF TENDER		

Amount of Tender in Words :- Kenya Shillings

.....
.....

Tenderer's Signature and Stamp.....

Address.....

Date.....

Witness Name and Signature.....

Description.....

Address.....

Date.....

BILL NO. 2 : ABLUTION BLOCK

Item	Description	Unit	Qty	Rate	Amount
	- <u>SANITARY FITTINGS</u> Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Duravit products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref. No. is intended only as a guide to the type and quality of fittings				
A	Water Closet General purpose white in colour squatting W.C suite, in vitreous china to BS 3402, constructed as one-piece pan and floor plate with treads and separate 'P' (or 'S') trap, for fixing to suite site requirement. To be complete with 1 ¼ " (32mm dia.) standard 'Flush Master' toilet flush valve, chrome plated, back entry, with integral vacuum breaker, non-hold-open features and non-return valve, inlet control stop and wall plate comprising flush valve, bent flush pipe and rubber pipe connector. To be as TWYFORD'S ARABIAN (1996)	No	3		
B	Water Closet (WC) Pan Duravit WC Pan in white vitreous china comprising of WC bowl complete, WC waste connector bend, heavy duty plastic seat and cover and other necessary accessories. WC to be suitable for connecting a 32mm dia Flush Valve	No	3		
C	32mm diameter push button chrome plated water closet flush valve as Cobra for exposed/concealed installation with a chrome plated extension pipe if necessary such that the distance from the push button to the connection to the Water closet bowl (described above) is 600mm.	No	3		
D	Wash handbasin Duravit D-CODE wash basin set for counter top fixing in white vitreous china with overflow and single tap hole size 520 x 420 x 1850mm and comprising of Ref No. 327566..0 basin, 1No. Chrome plated mixer tap with chrome plated waste extension pipe and wall flange, silicon sealant, and fixings to approval	No	10		

	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount
A	Wheel chair accessible W.C facility Comprising of the following:- i)Close coupled W.C with 7.5 litre cistern with bottom inlet and overflow.The bowl shall be of size 375x560x420mm high.The bowl and cistern shall be manufactured from vitreous china complying with B.S 3402 .The unit shall be complete with valveless cistern fittings including syphon, 1 /2" side inlet ballvalve, 3 /4" side overflow, inlet connector and reversible metallic chrome plated cistern lever.There shall also be a heavy duty seat(25mmhigh) and cover with chrome plated metal hinges, toilet roll holder, 610 x 450 x 6mm thick mirror and robe hook. ii)Semi pedestal wall mounted W.H.B of size 600x500x545mm high with flexible connectors to waste and taps.The basin shall be manufactured from vitreous china complying with B.S 3402.It shall have one tap hole with 1/2" chrome plated lever action pillar tap, chrome plated waste with height adjustable trap, pedestal and wall fixing bolts. iii) Hinged support rail with toilet roll holder 770mm long manufactured in nylon coated aluminium and mounted on a wall fixing plate plate size 230x100 mm, 4No 600mm grab rails with covered wall plates. The set shall be as Twyford's DOC.M wheelchair accessible W.C. facility or approved equivalent.	Set	2		
B	Soap Dish Semi recessed built in soap tray in Vitreous China of size: 305 x 150mm in approved colour as Duravit or equal and approved.	No	2		
C	Towel Rail Chrome plated towel rail 650mm long with the rail and brackets as one piece, all as Duravit or equal and approved.	No	2		
	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount

A	Urinal bowls Vitreous china white in colour urinal bowl for one person, single bowl complete with bowl supports, 40mm diameter chrome plated outlet grating, 40mm diameter chrome plated bottle trap. The bowl should be operated with an infrared automatic flash valve as Duravit or equal and approved.	No	4		
B	Touchless automatic Urinal flush valve compatible with the above urinal bowl. The system to operate on a 240V electricity mains and should have all accessories necessary for proper functioning. To be as Giberit Hytronic touchless system MAMBO or equal and approved.	No	4		
C	Toilet roll holder Toilet roll holder in vitreous china to BS 3402 in white colour of size 165x165mm and recessed into wall. Toilet roll holder to be as Duravit or equal and approved	No	6		
D	Mirrors 6mm thick polished plate glass, silver backed mirror with beveled edges, size 6100 x 610mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back rest.	No	10		
E	Robe hook Robe hook in vitreous china and in white colour mounted unto a concealed screw to wall wedges, to be as Duravit or approved equivalent.	No	12		
F	Shower fittings Shower fitting as bricon wall type with concealed riser pipe, carina handle and adjustable shower rose.	No	2		
E	Soap Dispenser Wall mounted Soap dispenser with a capacity of about one Litre having a press action Soap release mechanism complete with fixing screws. As starmix or approved equivalent	No	6		
	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount

A	Hand/face driers Automatic hand drier in approved color, operating on an infra-red automatic sensing system with safety cut-out complete with plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m3/min) and to be of size 270x264x143mm deep as WANDSWORTH BUNNIE Model HDZ or approved equivalent.	No	2		
Total carried forward to the collection page H-18					
Item	Description	Unit	Qty	Rate	Amount
	<u>INTERNAL PLUMBING</u> To supply and install Chlorinated Polyvinyl Chloride(CPVC) tubing and fittings which meet requirements of ASTM F442 as described.Tenderers must allow for jointings,clippings,couplings etc,necessary for the proper and satisfactory functioning of the installation when pricing.All joints shall assembled using solvent cements that meet or exceeds the requirement of ASTM F493 and to the Engineer's Approval. Rates must allow for all Metal/plastic threaded adaptors where required for connection of sanitary fixtures,valves etc				
	CPVC PIPES				
A	15mm diameter CPVC pipe.	Lm	18		
B	20mm -Ditto-	Lm	12		
C	25mm -Ditto-	Lm	9		
D	32mm -Ditto-	Lm	18		
E	40mm -Ditto-	Lm	6		
F	50mm -Ditto-	Lm	9		

	Extra- over CPVC pipework for the following. Bends				
G	15mm -Ditto-	No	4		
H	20mm -Ditto-	No	4		
I	25mm -Ditto-	No	2		
J	32mm -Ditto-	No	3		
K	40mm -Ditto-	No	2		
L	50mm -Ditto-	No	2		
	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount
	<u>Threaded fittings</u>				
A	15mm dia. female threaded 90° bend	No	13		
B	32mm dia. male threaded sockets	No	8		
C	50mm dia male threaded sockets	No	5		
	Equal tees				
D	20mm equal tee	No	10		
E	32mm -Ditto-	No	3		
F	40mm -Ditto-	No	6		
G	50mm -Ditto-	No	8		
	Reducers				
H	20x15mm reducer	No	6		
I	25x20mm -Ditto-	No	5		
J	32x20mm -Ditto-	No	4		
K	32x25mm -Ditto-	No	3		
L	50x32mm -Ditto-	No	5		
M	40x25mm -Ditto-	No	3		
N	40x20mm -Ditto-	No	2		

O	50x40mm -Ditto-	No	3		
	Gate valves				
P	50mm dia. approved medium pressure screw down full way non- rising stem wedge gate valve to BS 1952, with wheel and head joints to steel tubing. The gate valve to be as “Pegler” or approved equivalent.	No	2		
Q	32mm -ditto-	No	2		
R	25mm -ditto-	No	2		
	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount
	Unions				
A	50mm union	No	5		
B	40mm ditto	No	2		
C	Allow for water connection from existing 65mm dia. water supply pipe.	Item	1		
D	Excavation from existing supply pipe to the new building	Lm	150		
E	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve for connecting the sanitary fitting to water supply. To be as Cobra or equal and approved.	No	20		
F	Allow for pressure testing, flushing out and sterilization of the cold water system as required to the satisfaction of the Engineer.	Item	1		
	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount
	INTERNAL DRAINAGE				
	All drainage pipes to be as ‘Key Terrain or equal and approved equivalent. Allow for connection to the nearest manholes.				

	PVC and muPVC pipework				
A	100mm heavy duty golden brown pipe class D	Lm	54		
B	100mm diameter heavy duty grey pipe class D	Lm	12		
C	50mm ditto	Lm	29		
D	40mm ditto	Lm	7		
E	32mm ditto	Lm	7		
	<u>PVC and muPVC pipework</u>				
F	100mm diameter long radius bend	No	12		
G	32mm diameter bend	No	4		
H	32mm diameter sweep Tee	No	6		
I	100mm diameter sweep Tee	No	8		
J	50mm diameter sweep Tee	No	6		
K	40mm diameter sweep Tee	No	6		
L	100mm diameter access cap	No	8		
M	50mm diameter access cap	No	6		
N	40mm diameter access cap	No	0		
O	32mm diameter access cap	No	6		
P	40mm diameter bend	No	8		
Q	50mm diameter bend	No	10		
	Total carried forward to the collection page H-18				
Item	Description	Unit	Qty	Rate	Amount
A	40mm x32mm dia reducer	No	6		
B	100 mm diameter WC connector	No	8		
C	100mm diameter 4-way Floor trap and grating	No	8		

D	100mm floor gully complete with cover	No	4		
E	100mm diameter vent cowl	No	2		
F	100mm diameter weathering slate and apron	No	2		
G	Inspection Chamber(manhole)	No	8		
H	Testing and commissioning the internal drainage installations	Item	1		
Total carried forward to the collection page H-18					
Item	Description	Unit	Qty	Rate	Amount
A	SOLAR WATER HEATING INSTALLATION Supply, delivery, installation, test and commission of the following solar hot water system appliances complete with all the accessories including all connections to the services, jointing to water supply, overflows, supports and all plugging and screwing to walls and frames. The hot water cylinder shall be installed inside the roof space or on the roof as shall be directed by the project manager.				
	Solar Panels and Hot Water Storage Cylinder Solar water heating system comprising of 1No. 300 litres capacity hot water cylinder with 3KW electric booster element, 3No. solar panels with selective (black chrome) 6m ² dielectric nett absorbing area,safety valves and all other necessary interconnectors. The insulated cylinder shall be treated against corrosion by ceramic lining and shall be fitted with an anode. The system shall be a closed circuit type of the solar heating system as Solahart or equal and approved.	Item	1		
	Supporting Frames Allow for support 3mm hollow tubes mild steel angle iron fixed on roof for the above solar panels above solar hot water cylinders to engineers approval.	No	1		
	Automatic Air Eliminator Air relief valve as manufactured by "Spirax Sarco" model No. AES 50 Air Eliminators for use on hot water services.	No	1		
	Pressure gauge				

D	Pressure gauge as manufactured by Honeywell to be fitted as instructed by the Engineer	No	1		
E	GMS pipework and Fittings 25mm diameter pipework	Lm	50		
F	25mm diameter pipe unions	No	3		
G	25mm diameter bend	No	20		
H	Tees 25mm diameter tee	No	10		
Total carried forward to the collection page H-18					
Item	Description	Unit	Qty	Rate	Amount
A	Gate Valves 25mm diameter screwed- in bonnet, full way non-rising stem, solid wedge disk, bronze gate valve to BS 5154 PN 20 for series 'B' ratings with wheel head and transition fitting for jointing to GMS pipework.	No	3		
B	Ball Valve 20mm diameter medium pressure ball valve as "PORTSMOUTH" type or approved equivalent with brass stem and plastic float, screwed to threaded socket of tank including union	No	1		
C	Wiring Allow for all wiring to booster heater from local isolator supplied by others within two meter to the solar heating systems to the switch in the kitchen.	Item	1		
D	Testing and commisioning Allow for testing and commissioning for all solar heating systems and to the hot water delivery line.	Item	1		
E	Sterilization Allow for flushing out and sterilizing the whole system with chlorine to the satisfaction of the Project Engineer.	Item	1		

F	Carbon dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	2		
G	Dry Chemical Powder Fire Extinguisher 9kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	2		
H	Fire Notices Allow for fire signage for the hose reel system, fire exits and fire instructions as described in the particular specifications and to the Project Engineer's approval.	No	2		
I	9" (225mm) wall mounted manual alarm bell	No.	1		

Total carried forward to the collection page H-18

COLLECTION PAGE

Item	Description	Total			
1	Total brought forward from page H-7				
2	Total brought forward from page H-8				
3	Total brought forward from page H-9				
4	Total brought forward from page H-10				
5	Total brought forward from page H-11				
6	Total brought forward from page H-12				
7	Total brought forward from page H-13				

8	Total brought forward from page H-14		
9	Total brought forward from page H-15		
10	Total brought forward from page H-16		
11	Total brought forward from page H-17		
	Total Cost for Sanitary Fittings,Plumbing ,Drainage ,and Fire protection works for 1No Typical Ablution Block		
	Total Cost for Sanitary Fittings,Plumbing ,Drainage ,and Fire protection works for 4No Typical Ablution Block carried to Main Summary page	X 4	

BILL NO. 3 OFFICE BLOCK

Item	Description	Unit	Qty	Rate	Amount
	<u>SANITARY FITTINGS</u> Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Duravit products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref. No. is intended only as a guide to the type and quality of fittings				
A	Water Closet Duravit D-CODE Close Coupled WC suite in Vitreous china and approved colour comprising of WC bowl,'P' or 'S' trap connector,heavy duty matching seat and cover with metal top fixed chrome plated hinges and chrome plated push button with all the other necessary accessories.	No	2		

B	Wash handbasin Duravit D-CODE wash basin set for counter top fixing in white vitreous china with overflow and single tap hole size 520 x 420 x1850mm and comprising of Ref No. 327566..0 basin, 1No. Chrome plated mixer tap with chrome plated waste extension pipe and wall flange, silicon sealant, nd fixings to approval	No	3		
C	Urinal bowls Vitreous china white in colour urinal bowl for one person, single bowl complete with bowl supports, 40mm diameter chrome plated outlet grating, 40mm diameter chrome plated bottle trap. The bowl should be operated with an infrared automatic flash valve as Duravit or equal and approved.	No	1		
D	Touchless automatic Urinal flush valve compatible with the above urinal bowl. The system to operate on a 240V electricity mains and should have all accessories necessary for proper funtioning. To be as Giberit Hytronic touchless system MAMBO or equal and approved.	No	1		
E	Toilet roll holder Toilet roll holder in vitreous china to BS 3402 in white colour of size 165x165mm and recessed into wall. Toilet roll holder to be as Duravit or equal and approved	No	2		
Total carried forward to the collection page H-27					
Item	Description	Unit	Qty	Rate	Amount
A	Mirrors 6mm thick polished plate glass, silver backed mirror with beveled edges, size 600 x 610mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back rest.	No	3		
B	Robe hook Robe hook in vitreous china and in white colour mounted unto a concealed screw to wall wedges, to be as Duravit or approved equivalent.	No	2		

C	Hand/face driers Automatic hand drier in approved color, operating on an infra-red automatic sensing system with safety cut-out complete with plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m3/min) and to be of size 270x264x143mm deep as WANDSWORTH BUNNIE Model HDZ or approved equivalent.	No	2		
D	Soap Dispenser Wall mounted Soap dispenser with a capacity of about one Litre having a press action Soap release mechanism complete with fixing screws. As starmix or approved equivalent	No	3		
Total carried forward to the collection page H-27					
Item	Description	Unit	Qty	Rate	Amount
	<u>INTERNAL PLUMBING</u> To supply and install Chlorinated Polyvinyl Chloride(CPVC) tubing and fittings which meet requirements of ASTM F442 as described.Tenderers must allow for jointings,clippings,couplings etc,necessary for the proper and satisfactory functioning of the installation when pricing.All joints shall assembled using solvent cements that meet or exceeds the requirement of ASTM F493 and to the Engineer's Approval. Rates must allow for all Metal/plastic threaded adaptors where required for connection of sanitary fixtures,valves etc				
	CPVC PIPES				
A	15mm diameter CPVC pipe.	Lm	18		
B	20mm -Ditto-	Lm	6		
C	25mm -Ditto-	Lm	6		
D	32mm -Ditto-	Lm	18		
	Extra- over CPVC pipework for the following.				
	Bends				
E	15mm bend/elbows	No	4		
F	20mm -Ditto-	No	2		
G	25mm -Ditto-	No	6		

H	32mm -Ditto-	No	3		
	<u>Threaded fittings</u>				
I	20x15mm dia. female threaded 90 ⁰ bend	No	8		
J	25x15mm dia. female threaded 90 ⁰ bend	No	2		
K	32x15mm dia. female threaded 90 ⁰ bend	No	2		
L	25mm dia. male threaded sockets	No	2		
	Equal tees				
M	20mm equal tee	No	5		
N	25mm equal tee	No	3		
Total carried forward to the collection page H-27					
Item	Description	Unit	Qty	Rate	Amount
A	32mm -Ditto-	No	4		
	Reducers				
B	20x15mm reducer	No	5		
C	25x15mm -Ditto-	No	2		
D	25x20mm -Ditto-	No	2		
	Gate valves				
E	25 mm dia. approved medium pressure screw down full way non- rising stem wedge gate valve to BS 1952, with wheel and head joints to steel tubing. The gate valve to be as “Pegler” or approved equivalent.	No	8		
	Unions				
F	32mm diameter union	No	2		
G	25mm ditto	No	2		
H	15mm diameter plain sockets	No	4		
I	Allow for water connection from existing 50 mm dia. water supply pipe.	Item	1		

J	Excavation from existing supply pipe to the new building	Lm	25		
K	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve for connecting the sanitary fitting to water supply. To be as Cobra or equal and approved.	No	5		
L	Allow for pressure testing, flushing out and sterilization of the cold water system as required to the satisfaction of the Engineer.	Item	1		
	Total carried forward to the collection page H-27				
Item	Description	Unit	Qty	Rate	Amount
	INTERNAL DRAINAGE All drainage pipes to be as 'Key Terrain or equal and approved equivalent. Allow for connection to the nearest manholes.				
	PVC and muPVC pipework				
A	100mm heavy duty golden brown pipe class D	Lm	18		
B	100mm diameter heavy duty grey pipe class D	Lm	6		
C	50mm ditto	Lm	6		
D	32mm ditto	Lm	6		
	<u>PVC and muPVC pipework</u>				
E	100mm diameter long radius bend	No	3		
F	32mm diameter bend	No	8		
G	32mm diameter sweep Tee	No	5		
H	100mm diameter sweep Tee	No	2		
I	50mm diameter sweep Tee	No	4		
J	100mm diameter access cap	No	2		
K	50mm diameter access cap	No	2		

L	32mm diameter access cap	No	4		
M	40mm diameter bend	No	2		
N	50mm diameter bend	No	2		
O	100x50mm reducer	No	2		
P	100 mm diameter WC connector	No	2		
Q	100mm diameter 4-way Floor trap and grating	No	2		
R	100mm floor gully complete with cover	No	3		
Total carried forward to the collection page H-27					
Item	Description	Unit	Qty	Rate	Amount
A	100mm diameter vent cowl	No	1		
B	100mm diameter weathering slate and apron	No	1		
C	Inspection Chamber(manhole)	No	4		
D	Testing and commissioning the internal drainage installations	Item	1		
Total carried forward to the collection page H-27					
Item	Description	Unit	Qty	Rate	Amount
A	<u>FIRE FIGHTING EQUIPMENT</u>				
	Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the Engineer.				
A	Hose Reel				
	20mm diameter 30m long swimming type fire hose reel complete with delivery valve, mild steel feed pipe, isolation valve guide and all other accessories as “ANGUS FIRE ARMOUR” or equal and approved.	No.	1		

	PIPE WORK Supply, deliver and install galvanized mild steel pipes to BS 1387, class “B” Tenderers must allow in their pricing of pipework for all couplings, connectors, joints, unions etc as required in running lengths of pipework. Also where necessary for pipe fixing clips, holderbats plugged or screwed.				
	GMS PIPE B 50mm diameter gms pipe class “B” C 25mm diameter gms pipe class “B”	Lm	12		
		Lm	6		
	Bends D 50mm diameter Bend E 25mm -ditto- F 50mm x25mm Reducer G 50mm equal Tee	No	5		
		No	3		
		No	2		
		No	1		
	Gate valve H 50mm Gate valve I 25mm -ditto-	No	1		
		No	1		
	Unions J 50mm diameter pipe unions K 25mm diameter pipe unions	No	1		
		No	1		
	Total carried forward to the collection page H-27				
Item	Description	Unit	Qty	Rate	Amount
A	25mm air release valve	No	1		
B	50mm ditto	No	1		
C	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No	1		

D	Carbon dioxide Gas Fire Extinguisher 4.5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	1		
E	Dry Chemical Powder Fire Extinguisher 9kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	1		
F	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	No	1		
G	Fire Notices Allow for fire signage for the hose reel system, fire exits and fire instructions as as described in the particular specifications and to the Project Engineer's approval.	No	2		
Total carried forward to the collection page H-27					

COLLECTION PAGE

Item	Description	Total
1	Total brought forward from page H-19	
2	Total brought forward from page H-20	
3	Total brought forward from page H-21	
4	Total brought forward from page H-22	
5	Total brought forward from page H-23	
6	Total brought forward from page H-24	
7	Total brought forward from page H-25	
8	Total brought forward from page H-26	

	Total Cost for Sanitary Fittings, Plumbing, Drainage, and Fire protection works for office block carried to Main Summary page H-46		

BILL NO. 4 STALLS

Item	Description	Unit	Qty	Rate	Amount
	<u>FIRE FIGHTING EQUIPMENT</u> Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the Engineer.				
A	Hose Reel 20mm diameter 30m long swimming type fire hose reel complete with delivery valve, mild steel feed pipe, isolation valve guide and all other accessories as “ANGUS FIRE ARMOUR” or equal and approved.	No.	2		
	PIPE WORK Supply, deliver and install galvanized mild steel pipes to BS 1387, class “B” Tenderers must allow in their pricing of pipework for all couplings, connectors, joints, unions etc as required in running lengths of pipework. Also where necessary for pipe fixing clips, holderbats plugged or screwed.				
	GMS PIPE				
B	50mm diameter gms pipe class “B”	Lm	48		
C	25mm diameter gms pipe class “B”	Lm	12		
C	25mm diameter gms pipe class “B”	Lm	6		
	Bends				
D	50mm diameter Bend	No	5		
E	25mm -ditto-	No	6		
E	20mm -ditto-	No	4		
F	50mm x25mm Reducer	No	2		
F	25mm x20mm Reducer	No	2		
G	50mm equal Tee	No	1		

H	Gate valve 50mm Gate valve	No	1		
I	25mm -ditto-	No	2		
Total carried forward to the collection page H-30					
Item	Description	Unit	Qty	Rate	Amount
A	20mm -ditto-	No	2		
B	Unions 50mm diameter pipe unions	No	2		
C	25mm diameter pipe unions	No	2		
D	20mm diameter pipe unions	No	2		
E	25mm air release valve	No	1		
F	50mm ditto	No	1		
G	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No	2		
H	Carbon dioxide Gas Fire Extinguisher 4.5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brankets.	No.	2		
I	Dry Chemical Powder Fire Extinguisher 9kg dry chemical podwer portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	No.	2		
J	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	No	2		
K	Fire Notices Allow for fire signage for the hose reel system, fire exits and fire instructions as as described in the particular specifications and to the Project Engineer's approval.	No	3		

	Total carried forward to the collection page H-30				
COLLECTION PAGE					
Item	Description			Total	
1	Total brought forward from page H-28				
2	Total brought forward from page H-29				
	Total Cost for Fire Protection works for 1No. Block of Stalls				
	Total Cost for Fire Protection works for 10No. Block of Stalls carried to Main Summary page H-43			X 10	

BILLS NO. 6 -PRESSED STEEL TANKS

Item	Description	Unit	Qty	Rate	Amount
A	Supply, deliver and Assemble a High level water tanks, made of pressed steel sectional tank plates 6mm thick plates (type 1 and 2) and of size 1220mm x 1220mm capacity of tank to be 32,000 litres (7,100 gallons) and of preferred dimensions 3660mm x 3660mm x 2440mm. The tank to come complete with tank cover, mosquito proof inspection vent, internal stays, jointing material, bolts and nuts including applying two coats of non-toxic bituminous paint on the inside and two coats of aluminum paint on the outside. The tank shall be complete with the following pipe connections:- -100mm diameter overflow -150mm and 75mm diameter outlets -100mm diameter inlet -100mm diameter washout	No	1		
B	Float switch regulator	No	1		

C	Water level indicator	No	1		
D	Internal ladder	No	1		
E	External ladder from tank platform	No	1		
F	Galvanized tower ladder and protection cage of approximately 22 metres high	No	1		
G	Galvanized platform with features described in the particular specifications.	No	1		
H	Galvanized steel tower 22 metres high with features as described in the particular specifications.	No	1		
I	65mm diameter high pressure ball valve	No	1		
J	High level Tank bases Allow for the construction of ground bases for mounting the steel tower to the approval of the structural engineer. Include all costs including excavation in red soil, reinfoeced concrete curing etc.	Item	1		
Total Carried Forward to the Collection page H-36					
Item	Description	Unit	Qty	Rate	Amount
A	Supply, deliver and assemble a Low level water tanks, made of pressed steel sectional tank plates 6mm thick plates (type 1 and 2) and of size 1220mm x 1220mm capacity of tank to be 136,000 litres (30,200 gallons) and of preferred dimensions 6100mm x 6100mm x 3660mm. The tank to come complete with tank cover, mosquito proof inspection vent, internal stays, jointing material, bolts and nuts including applying two coats of non-toxic bituminous paint on the inside and two coats of aluminum paint on the outside. The tank shall be complete with the following pipe connections:- -100mm diameter overflow -150mm and 75mm diameter outlets -100mm diameter inlet -100mm diameter washout	No	1		
B	Float switch regulator	No	1		
C	Water level indicator	No	1		

D	Internal ladder	No	1		
E	External ladder from tank platform	No	1		
F	65mm diameter high pressure ball valve	No	1		
G	100 x 10 mm capping flat steel plate on all dwarf walls	Lm	50		
H	Allow for construct low level water tank foundations complete with dwarf walls to the approval of the structural engineer.	Item	1		
I	BOOSTER PUMPS Set of automatic electrically driven twin booster pump. One duty and the other one standby with automatic changeover , capable of delivering 4.2 litres per second against a head of 25 meters with a three phase power source. It includes pressure switches, time delay switch, a switch to protect against dry run, timer, gate valves and non-return valves. The pump to be as Davey Dynaflo model DF 6220 or approved equivalent. Pump to be installed on mild steel platform.	Set	1		
Total Carried Forward to the Collection page H-36					
Item	Description	Unit	Qty	Rate	Amount
A	Control Panel Control panel for above pumps with contactors, over voltage and under voltage protection relays, MCBs, timer, start/stop push buttons, internal buttons with automatic changeover, 'running' and 'trip' neon lights control system and button for for change from automatic to manual operation. All these shall be housed in a lockable cabinet (with integral isolator) made from SWG 18 mild steel sheet that is oven powder coated . There shall also be an adjustable time delay switch to ensure pumping cycles are controlled to not more than 6 per hour, cables, low level cut-out switch in low level tank and regulator. Each pump should run for twelve hours per day.	Item	1		
C	Pump house Allow for the construction of a standard pump house of dimensions 1.5 metres x 1.5 metres to the approval of the engineer	Item	1		

D	Electrical Works Allow for electrical works wiring and fitting to pumps, control panel and float switches from Isolator provided by others ASSOCIATED PIPEWORK <i>Supply, deliver and install galvanized mild steel pipes to BS 1387 class 'B' with screwed and socketed joints to BS 134 and 1256 and of approved manufacturer with galvanizing to BS 729. Tenderers must allow in their pipe work prices for all the couplings, unions, connectors joints, holder bats, reducers etc. as required in the running length of the pipework and also where necessary for pipe fixing clips, plugged and screwed.</i>	Item	1		
E	Pipework 100mm diameter G.M.S pipe	Lm	60		
F	65mm ditto	Lm	36		
G	50mm ditto	Lm	42		
H	65mm diameter gate valve	No	2		
Total Carried Forward to the Collection page H-36					
Item	Description	Unit	Qty	Rate	Amount
A	Gate Valve 100mm diameter approved rising stem full way high pressure flanged gate valve with wheel and jointing to tubing	No	4		
B	50mm ditto	No	4		
C	Sluice Valve 100mm diameter Sluice Valve	No	2		
D	75mm dia. Sluice Valve	No	1		
E	50mm dia. Sluice Valve	No	4		
F	Non Return Valve 100mm dia. approved high pressure non- return valve to BS 1952. The non-return valve to be as "Pegler" or approved equivalent.	No	2		

G	50mm ditto	No	4		
	Air release Valves				
H	65mm diameter air release valve	No	8		
I	50mm ditto	No	8		
	Drain Valves				
J	65mm diameter drain valve	No	8		
	Tees				
K	100mm diameter equal tee	No	3		
L	50mm ditto	No	3		
M	100 x 65 mm unequal tee	No	3		
	Bends/Elbows				
N	100mm diameter bend/elbows	No	8		
O	65mm ditto	No	8		
P	50mm ditto	No	12		
Q	100mm diameter connecting flange	No	3		
Total Carried Forward to the Collection page H-36					
Item	Description	Unit	Qty	Rate	Amount
A	Valve Chamber Valve chamber size 750 x 750 x 600mm deep with 100mm concrete (1: 3: 6) base 100mm block sides rendered all round in cement and sand (1:4) and with approved hinged and flanged cast iron cover and frame including all necessary excavation, disposal and form work.	No	2		
B	Allow for excavation for the existing pipework at tee and valve points to connect with existing pipework.	Item	1		
C	Indicator Plates Standard precast concrete Sluice valve marker post marked 'SV' set in concrete (1:3:6) base, including formwork, excavations backfilling and disposal. The plate to be painted with blue gloss oil paint.	No	2		

	Total Carried Forward to the Collection page H-36			
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COLLECTION PAGE

ITEM	DESCRIPTION	AMOUNT
1	Total amount brought forward from page.....H-31	
2	Total amount brought forward from page.....H-32	
3	Total amount brought forward from page.....H-33	
4	Total amount brought forward from page.....H-34	
5	Total amount brought forward from page.....H-35	
	Total amount for Water tanks carried forward to the Main summary page H-43	

BILL NO. 7 -SITE WATER RETICULATION

Item	Description	Qty	Unit	Rate Kshs	Cost Kshs
	WATER RETICULATION Supply, deliver and install galvanized mild steel pipes to BS 1387, class “B”Tenderers must allow in their pricing of pipework for all couplings, connectors, joints, unions, nipples etc as required in running lengths of pipework. Also where necessary for pipe fixing clips, holderbats plugged or screwed.				
A	Excavations Excavate trench in red soil/murram for small pipe not exceeding 1000mm deep and average 750mm deep, Part return in, fill and surplus cart away.	2074	LM		
B	Allow for keeping the excavated trenches free of water either by bailing or by pumping.	1	Sum		
	GMS Pipework				
C	75mm diameter Class B Gms pipework	850	LM		
D	65mm dia. Ditto	245	LM		
E	50mm ditto	454	LM		

F	40mm dia. Ditto	60	LM		
G	32mm dia. Ditto	72	LM		
H	25mm dia. Ditto	32	LM		
I	20mm dia. Ditto	44	LM		
J	15mm dia ditto	24	LM		
	<u>Extra over GMS Pipework for the following:</u>				
	Bends				
K	100mm diameter bends/elbows	12	No		
L	65mm diameter bends/elbows	15	No		
Total carried to Collection Page H-41					
Item	Description	Qty	Unit	Rate Kshs	Cost Kshs
A	50mm diameter bends/elbows	13	No		
B	40mm diameter bends/elbows	8	No		
C	25mm diameter bends/elbows	9	No		
D	20mm diameter bends/elbows	32	No		
E	15mm diameter bends/elbows	15	No		
	Tees				
F	100mm diameter equal tee	26	No		
G	65mm ditto	37	No		
H	50mm ditto	17	No		
I	40mm ditto	9	No		
J	32mm ditto	11	No		
K	15mm ditto	5	No		
	Reducers				
L	100 x 65mm diameter valve reducing sockets	11	No		

M	100 x 50mm ditto	13	No		
N	100 x 40mm ditto	8	No		
O	100 x 32mm ditto	1	No		
P	100 x 15mm ditto	6	No		
Q	65 x 50mm ditto	16	No		
R	65 x 25mm ditto	7	No		
S	65 x 20mm ditto	11	No		
T	65 x 15mm ditto	18	No		
U	65 x 40mm ditto	2	No		
Total carried to Collection Page H-41					
Item	Description	Qty	Unit	Rate Kshs	Cost Kshs
A	50 x 20mm ditto	33	No		
B	40 x 32mm ditto	12	No		
C	40 x 20mm ditto	8	No		
D	32 x 20mm ditto	12	No		
E	20 x 15mm ditto	2	No		
F	40mm standpipe complete with garden bib tap	30	No		
	Valves				
G	65mm diameter high pressure approved pattern brass rising stem fullway gate valve with wheel head and jointing to tubing as “Pegler” or approved equivalent.	12	No		
H	50mm diameter ditto	7	No		
I	40mm diameter ditto	4	No		
J	15mm diameter ditto	6	No		
	Unions				
K	100mm diameter union	7	No		

L	65mm diameter union	5	No		
M	50mm ditto	2	No		
N	40mm ditto	2	No		
O	15mm ditto	15	No		
P	Valve Chamber Valve chamber size 750 x 750 x 600mm deep with 100mm concrete (1: 3: 6) base 100mm block sides rendered all round in cement and sand (1:4) and with approved hinged and flanged cast iron cover and frame including all necessary excavation, disposal and form work.	15	No		
Total carried to Collection Page H-41					
Item	Description	Qty	Unit	Rate Kshs	Cost Kshs
A	Supply, deliver and install a 65mm diameter screw down type fire hydrant conforming to BS 750:1977 complete with copper alloy spindle complying with requirements of BS 2874 and having a thread machined of trapezoidal form, cast iron spindle cap secured to the spindle by an M12 hexagonal socket set screw to BS 4168. A tapered key suitable for the spindle cap, a screwed outlet with cast iron cap attached to the hydrant body by a chain. All other necessary accessories necessary for the proper functioning of the hydrant. The hydrant to be as 'Greenfield' type or equal and approved.	2	No		
B	Hydrant Key and cover	2	No		
C	65mm drain valve	2	No		
D	25mm air release valve	2	No		
E	Indicator Plates Standard precast concrete sluice valve marker post marked 'SV' set in concrete (1:3:6) base, including formwork, excavations, backfilling and disposal. The plate to be painted with blue gloss oil paint.	2	No		
F	Ditto but marked FH (Fire Hydrant)	2	No		

G	Water Line Markers Standard precast concrete water line marker post marked 'WL' set in concrete (1:3:6) base, including formwork, excavations, backfilling and disposal. The plate to be painted with blue gloss oil paint. The post shall also indicate the pipe size.	32	No		
H	Sluice valve 100mm diameter sluice valve of approved manufacture	3	No		
I	Ditto but 65mm diameter	2	No		
J	65mm plugs and sockets	4	No		
K	Water Meter 50mm water meter as ‘Kent’ or equal and approved equivalent .	1	No.		
L	Sterilization Allow for flushing out and sterilizing the whole system with chlorine to the satisfaction of the engineer	1	Sum		
	Total carried to Collection Page H-41				
<u>COLLECTION PAGE FOR WATER RETICULATION WORKS</u>					
Item	Description				Amount (Kshs)
1	Total carried forward from page H-37				
2	Total carried forward from page H-38				
3	Total carried forward from page H-39				
4	Total carried forward from page H-40				
Total Cost for Water Reticulation Works Carried to Main Summary Page H-43					

BILL NO. 8 EXTERNAL FOUL WATER DRAINAGE

Item	Description	Qty	Unit	Rate	Amount
A	PVC PIPE Supply, deliver to site lay joint in excavated trench, perform hydraulic test, and flush 200mm uPVC sewer pipe, Rate to include for jointing, cutting etc., as directed by the engineer.	Lm	670		
	INSPECTION CHAMBER				

	Construction of standard inspection chamber as per drawings and specifications including excavation, fixing of pipes, heavy duty/motorable Inspection cover, benching, etc. to complete. Depth shall be measured from invert level to the cover level.				
B	Depth not exceeding 0.6m ("S" type chamber)	No.	11		
C	Depth 0.61m to 0.90m ("M" type chamber)	No.	5		
D	Depth 0.91m to 1.50m ("L" type chamber)	No.	3		
	TRENCH EXCAVATION				
E	Excavate trench for a 200mm uPVC sewer pipe below ground level or road formation whichever is lower to required dimension and allow for timbering to trench depth not exceeding 1.5m. Backfill with part of excavated material up to the required levels as directed by the Engineer, cart away surplus materials and dispose	Lm	640		
F	Ditto but for depth exceeding 1.5m but not exceeding 2.0m	Lm	30		
G	Provided spread and compact granular fill of approved materials for backfilling and bedding around pipe.	CM	60		
H	Allow for concrete (Class 20) surround and bedding for road crossing (provisional)	CM	10		
Total for External foul water drainage carried to Main Summary page H-43					

MAIN SUMMARY PAGE

Item	Description	Amount
1	Total for preliminaries carried forward from page H-6	
2	Total Cost for Sanitary Fittings, Plumbing, Drainage, and Fire protection works for 4No Typical Ablution Block brought forward from page H-18	
3	Total Cost for Sanitary Fittings, Plumbing, Drainage, and Fire protection works for office block brought forward from page H-27	

4	Total Cost for Fire Protection works for 10No. Block of Stalls brought forward from page H-30	
5	Total amount for Water tanks brought forward from page H-36	
6	Total Cost for Water Reticulation Works brought forward from Page H-41	
7	Total for External foul water drainage brought forward from page H-42	
8	Contingency	500,000.00
	Total for Sanitary fittings, Plumbing, Drainage and Fire protection Works carried to the form of Tender	

Amount in Words:

.....

Tenderer's Name and Stamp:

Sub contract period. Weeks

Signature Date:

PIN NO. VAT CERTIFICATE No.

(Provide copy)

(Provide copy)

Witness Address:

Signature Date: