

REPUBLIC OF KENYA
MINISTRY OF EDUCATION



THE MERU NATIONAL
POLYTECHNIC

Technology for Innovation & Development

TENDER FOR CONSTRUCTION OF AN
ADMINISTRATION BLOCK

AT

THE MERU NATIONAL POLYTECHNIC

TENDER NUMBER:
MNP/CONST/001/2021-2022

AUGUST 2021

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SECTION I: INVITATION FOR TENDERS

The Meru National Polytechnic invites sealed bids from eligible candidates for **TENDER NUMBER MNP / CONST / 002/ 2020-2021 Tender for Construction of an Administration Block at Meru National Polytechnic**

Interested candidates may obtain the tender documents from **The Meru National Polytechnic Procurement office during working hours (8.00a.m to 5.00p.m)** at a non-refundable tender fee of **Kshs. 1,000.00** made to the Cash office and an official receipt obtained. Documents are also downloadable from the government tenders portal <https://tenders.go.ke> or the polytechnic website www.merunationalpolytechnic.ac.ke free of charge. Prices quoted by tenderers must be expressed in Kenya Shillings and should be net inclusive of all taxes and delivery costs, and shall remain valid for one hundred and fifty (150) days from the closing date of the tender. Bidders who meet the following criteria, which must be demonstrated by attaching relevant documentary evidence, shall be considered for further evaluation.

- a. Must provide a bid bond of **Kenya shillings two million (2,000,000.00)** which must remain valid for 30 days (after the expiry of the tender validity period) in the form of bank guarantee from a reputable bank or any other form as provided for on the public procurement regulatory authority tender security providers www.ppra.go.ke/tender-security-providers/
- b. Provide a valid tax compliance certificate.
- c. Provide KRA PIN and VAT certificates.
- d. Prove Registration as a company.
- e. Single Business Permit
- f. Dully filled business questionnaire.
- g. Must be registered by National Construction Authority (NCA) for category NCA 5 and above.
- h. Evidence of adequate equipment and key personnel for the specified type of work.
- i. Must attach audited Accounts for the last two years.

A tender from the following tenderers shall be treated as non-responsive and therefore subject to automatic disqualification:

- a. A tender from a tenderer whose ongoing projects is/are behind schedule and without any approved extension of time.
- b. A tender from a tenderer who has been served with default notice on on-going project/s or terminated from a contract in the past.
- c. A tender from a tenderer with on-going projects exceeding four (4) in Number irrespective of the total value of the outstanding works.
- d. A tender from a tenderer who refuses to initial changes made in the bid document.

Completed tender documents – Original and a Copy - are to be enclosed in a plain sealed envelope marked with tender name and reference number and deposited in the tender box situated at the **The Meru National Polytechnic** administration block addressed to the principal **The Meru National Polytechnic** P.O. Box 111-60200 Meru so as to be received **on or before 21st September, 2021 at 10:00am** . Tenders will be opened immediately thereafter in the presence of the tenderers or their representatives who choose to attend at the Polytechnic's Main Board Room at 10:30am on 21st September, 2021.

SECTION II: INSTRUCTIONS TO TENDERERS

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INSTRUCTIONS TO TENDERERS

- 1. General/Eligibility/Qualifications/Joint 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) evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);
- (g) authority to seek references from the tenderer's bankers;
- (h) information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount; and
- (i) Proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price.

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

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

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

- (a) annual volume of construction work of at least 2.5 times the estimated annual cashflow for the Contract;
- (b) experience as main contractor in the construction of at least
- (c) 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);
- (d) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed as required for the Works;

1.8 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.

1.9 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.

- 1.10 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.
- 1.11 The procuring entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 1.12 The price to be charged for the tender document shall be Kshs.1,000/=
- 1.13 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) Form of Tender and Qualification Information
 - (c) Conditions of Contract
 - (d) Appendix to Conditions of Contract
 - (e) Specifications
 - (f) Drawings
 - (g) Bills of Quantities
 - (h) Forms of Securities
- 2.2 The tenderer shall examine all Instructions, Forms to be filled and Specifications in the tender documents. Failure to furnish all information required by the tender documents, or submission of a tender not substantially responsive to the tendering documents in every respect will be at the tenderer's risk and may result in rejection of his tender.
- 2.3 A prospective tenderer making an inquiry relating to the tender documents may notify the 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;
 - (b) Tender Security;
 - (c) Priced Bill of Quantities ;
 - (d) Qualification Information Form and Documents;
 - (e) Alternative offers where invited; and
 - (f) Any other materials required to be completed and submitted by the tenderers.
- 3.3 The tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items for which no rate or price is entered by the tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause relevant to the Contract, as of 30 days prior to the deadline for submission of tenders, shall be included in the tender price submitted by the tenderer.
- 3.4 The rates and prices quoted by the tenderer shall only be subject to adjustment during the performance of the Contract if provided for in the Appendix to Conditions of Contract and provisions made in the Conditions of Contract.
- 3.5 The unit rates and prices shall be in Kenya Shillings.

- 3.6 Tenders shall remain valid for a period of One Hundred and fifty (150) 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 ONE COPY of the tender, in the number specified in the invitation to tender, and clearly marked as "COPY". In the event of discrepancy between them, the original shall prevail.
- 3.15 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the tenderer, pursuant to Clause 1.5 (a) or 1.6 (b), as the case may be. All pages of the tender where alterations or additions have been made shall be initialed by the person or persons signing the tender.
- 3.16 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 7 days prior to the deadline for submission of tenders.
- 3.17 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.
- 3.18 The tender security shall be in the amount of Kenya shillings 2,000,000.00 (Two million)

4. Submission of Tenders

- 4.1 The tenderer shall seal **ONE ORIGINAL** and **ONE 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 un-opened.
- 4.4 Tenderers may modify or withdraw their tenders by giving notice in writing before the deadline prescribed in clause 4.2. Each tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with clause 3.13 and 4.1, with the outer and inner envelopes additionally marked "**MODIFICATION**" and "**WITHDRAWAL**", as appropriate. No tender may be modified after the deadline for submission of tenders.
- 4.5 Withdrawal of a tender between the deadline for submission of Tenders and the expiration of the period of tender validity specified in the invitation to tender or as extended pursuant to Clause 3.6 may result in the forfeiture of the Tender Security pursuant to Clause 3.11.
- 4.6 Tenderers may only offer discounts to, or otherwise modify the prices of their tenders by submitting tender modifications in accordance with Clause 4.4 or be included in the original tender submission.

5. Tender Opening and Evaluation

- 5.1 The tenders will be opened by 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

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

Except as required to confirm the correction of arithmetic errors discovered in the evaluation of the tenders in accordance with Clause 5.7.

- 5.6 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.

- 5.7 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.

- 5.8 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.

5.9 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 Day works where priced competitively.
- (c) making an appropriate adjustment for any other acceptable variations, deviations, or alternative offers submitted in accordance with clause 3.12; and
- (d) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with clause 4.6

5.10 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 an 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 14 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 25% 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.
- 7.2 1.1 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.
- 7.3 2. Corrupt and Fraudulent Practices

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.

CONDITIONS OF CONTRACT

1. Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Interpretation

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.

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).

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

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

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

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

6 Communications

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

7 Subcontracting

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

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

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

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

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.

13.2 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

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

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

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

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.

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

18. Management Meetings

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 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 = the amount to be reimbursed

A = 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.

If a compensation event would cause additional cost or would prevent the Work

24.2 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

- 25.2 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.
- 25.3 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.
- 25.4 Unless otherwise stated in the Contract, the Contract Price shall be deemed to have been calculated in the manner set out below and in sub-clauses 25.4 and 25.5 and shall be subject to adjustment in the events specified thereunder;
- (i) The prices contained in the Contract Bills of Quantities shall be deemed based upon the rates of wages and other

Emoluments and expenses as determined by the Joint Building Council of Kenya (J.B.C.) and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.

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

25.5 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.

25.6 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.

25.7 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.

25.8 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 Day works 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 Day works 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 Day works subject to obtaining signed Day works forms.

30 Liability and Insurance

- 30.1 From the Start Date until the Defects Correction Certificate has been issued, the following are the Employer's risks:
- (a) The risk of personal injury, death or loss of or damage to property (excluding the Works, Plant, Materials and Equipment), which are due to;

- (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works, or
 - (ii) Negligence, breach of statutory duty or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.
 - (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in Employer's design, or due to war or radioactive contamination directly affecting the place where the Works are being executed.
- 30.2 From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is the Employer's risk except loss or damage due to;
- (a) A defect which existed on or before the Completion Date.
 - (b) an event occurring before the Completion Date, which was not itself the Employer's risk
 - (c) The activities of the Contractor on the Site after the Completion Date.
- 30.3 From the Start Date until the Defects Correction Certificate has been issued, the risks of personal injury, death and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risk are Contractor's risks.
- The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts stated in the Appendix to Conditions of Contract for the following events;
- (a) loss of or damage to the Works, Plant, and Materials;
 - (b) loss of or damage to Equipment;
 - (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract, and
 - (d) Personal injury or death.
- 30.4 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide for compensation required to rectify the loss or damage incurred.
- 30.5 If the Contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the Contractor should have provided and recover the premiums from payments otherwise

Due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

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

31 Completion and taking over

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

32 Final Account

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

33 Termination

- 33.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. These

Fundamental breaches of Contract shall include, but shall not be limited to, the following;

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

(e) 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;

- Architectural Association of Kenya
- Institute of Quantity Surveyors of Kenya
- 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:

- 37.6 The appointment of a replacement Project Manager upon the said person ceasing to act.
- 37.7 Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.
- 37.8 Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.
- 37.9 Any dispute or difference arising in respect of war risks or war damage.
- 37.10 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.
- 37.11 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.
- 37.12 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.
- 37.13 The award of such Arbitrator shall be final and binding upon the parties.

SECTION IV – APPENDIX TO CONDITIONS OF CONTRACT

THE EMPLOYER IS

Name: THE MERU NATIONAL POLYTECHNIC

Address: P.O. BOX 111, 60200 MERU

Name of Authorized Representative: **THE PRINCIPAL, THE MERU NATIONAL POLYTECHNIC**

The Project Manager is: **To be appointed by employer.**

The name (and identification number) of the Contract is: **MNP/ CONST / 002/2020-2021**

TENDER FOR CONSTRUCTION OF AN ADMINISTRATION BLOCK AT MERU NATIONAL POLYTECHNIC

The Works consist of **CONSTRUCTION WORKS AND ASSOCIATED ELECTRICAL, MECHANICAL AND CIVIL WORKS.**

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

The Intended Completion Date for the whole of the Works shall be **52 (FIFTY TWO) WEEKS AFTER DATE OF POSSESSION**

The following documents also form part of the Contract:

BILLS OF QUANTITIES, CONTRACT DRAWINGS AND ANY OTHER AUTHORIZED DRAWINGS WHICH MAY BE ISSUED

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

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

The Site is located **AT THE MERU NATIONAL POLYTECHNIC** and is defined in drawings nos. **CONTRACT DRAWINGS**

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

The minimum insurance covers shall be;

1. The minimum cover for insurance of the Works and of Plant and Materials in respect of the Contractor's faulty design is **NIL**
2. The minimum cover for loss or damage to Equipment is **NIL**
3. The minimum for insurance of other property is **KSH. 500,000.00**

4. The minimum cover for personal injury or death insurance

- For the Contractor's employees is **KSH. 1,500,000.00**
- And for other people is **KSH. 1,500,000.00**

The following events shall also be Compensation Events:

1. **NONE (ONLY AS LISTED IN CLAUSE 24 OF THE CONDITIONS OF CONTRACT**

The period between Program updates is **30**days.

The amount to be withheld for late submission of an updated Program is **EQUAL TO 10% OF CERTIFICATE**

The proportion of payments retained is **10** percent. The Price Adjustment Clause **shall not** apply

The liquidated damages for the whole of the Works is **Kshs. 30,000.00** (per week)

The Performance Security shall be for the following minimum amounts equivalent as a percentage of the Contract Price **5** percent (%)

The Completion Period for the Works is **96 (NINETY SIX) WEEKS**

The rate of exchange for calculation of foreign currency payments is **PREVAILING US DOLLAR CENTRAL BANK EXCHANGE RATE.**

The schedule of basic rates used in pricing by the Contractor is as attached

[Contractor to attach].

Advance Payment **WILL NOT** be granted.

Tender security shall be **KSH.2,000,000.00.**

SECTION V - SPECIFICATIONS

Notes for preparing Specifications

- 1.0 Specifications must be drafted to present a clear and precise statement of the required standards of materials, and workmanship for tenderers to respond realistically and competitively to the requirements of the Employer and ensure responsiveness of tenders. The Specifications should require that all materials, plant, and other supplies to be permanently incorporated in the Works be new, unused, of the most recent or current models, and incorporating all recent improvements in design and materials unless provided otherwise in the Contract. Where the Contractor is responsible for the design of any part of the permanent Works, the extent of his obligations must be stated.
- 2.0 Specifications from previous similar projects are useful and may not be necessary to re-write specifications for every Works Contract.
- 3.0 There are considerable advantages in standardizing **General Specifications** for repetitive Works in recognized public sectors, such as highways, urban housing, irrigation and water supply. The General Specifications should cover all classes of workmanship, materials and equipment commonly involved in constructions, although not necessarily to be used in a particular works contract. Deletions or addenda should then adapt the General Specifications to the particular Works.
- 4.0 Care must be taken in drafting Specifications to ensure they are not restrictive. In the Specifications of standards for materials, plant and workmanship, existing Kenya Standards should be used as much as possible, otherwise recognized international standards may also be used.
- 5.0 The Employer should decide whether technical solutions to specified parts of the Works are to be permitted. Alternatives are appropriate in cases where obvious (and potentially less costly) alternatives are possible to the technical solutions indicated in tender documents for certain elements of the Works, taking into consideration the comparative specialized advantage of potential tenderers.
- 6.0 The Employer should provide a description of the selected parts of the Works with appropriate reference to Drawings, Specifications, Bills of Quantities, and Design or Performance criteria, stating that the alternative solutions shall be at least structurally and functionally equivalent to the basic design parameters and Specifications. Such alternative solutions shall be accompanied by all information necessary for a complete evaluation by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, proposed construction methodology, and other relevant details. Technical alternatives permitted in this manner shall be considered by the Employer each on its own merits and independently of whether the

Tenderer has priced the item as described in the Employer's design included with the tender documents.

SECTION VI - BILL OF QUANTITIES

Notes for preparing Bills of Quantities

The objectives of the Bills of Quantities are;

- (a) to provide sufficient information on the quantities of Works to be performed to enable tenders to be prepared efficiently and accurately; and
- (b) When a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

The Bills of Quantities should be divided generally into the following sections:

(a) Preliminaries.

The preliminaries should indicate the inclusiveness of the unit prices, and should state the methods of measurement which have been adopted in the preparation of the Bill of Quantities and which are to be used for the measurement of any part of the Works.

The number of preliminary items to be priced by the tenderer should be limited to tangible items such as site office and other temporary works, otherwise items such as security for the Works which are primarily part of the Contractor's obligations should be included in the Contractor's rates.

(b) Work Items

- (i) The items in the Bills of Quantities should be grouped into sections to distinguish between those parts of the Works which by nature, location, access, timing, or any other special characteristics may give rise to different methods of construction, or phasing of the Works, or considerations of cost. General items common to all parts of the Works may be grouped as a separate section in the Bill of Quantities.
- (ii) Quantities should be computed net from the Drawings, unless directed otherwise in the Contract, and no allowance should be

Made for bulking, shrinkage or waste.
down where appropriate.

Quantities should be rounded up or

- (iii) The following units of measurement and abbreviations are recommended for use.

<i>Unit</i>	<i>Abbreviation</i>	<i>Unit</i>	<i>Abbreviation</i>
cubic meter	m ³ or cu m	millimeter	mm
hectare	ha	month	mon
hour	h	number	nr
kilogram	kg	square meter	m ² or sq m
lump sum	su	square millimeter	mm ² or sq mm
meter	m	week	wk
metric ton (1,000 kg)	t		

- (iv) The commencing surface should be identified in the description of each item for Work involving excavation, boring or drilling, for which the commencing surface is not also the original surface. The excavated surface should be identified in the description of each item for Work involving excavation for which the excavated surface is not also the final surface. The depths of Work should be measured from the commencing surface to the excavated surface, as defined.

(c) Daywork Schedule

A Daywork Schedule should be included if the probability of unforeseen work, outside the items included in the Bill of Quantities, is relatively high. To facilitate checking by the Employer of the realism of rates quoted by the tenderers, the Daywork Schedule should normally comprise:

- (i) a list of the various classes of labour, and materials for which basic Day work rates or prices are to be inserted by the tenderer, together with a statement of the conditions under which the Contractor will be paid for Work executed on a Day work basis; and
- (ii) a percentage to be entered by the tenderer against each basic Day work Subtotal amount for labour, materials and plant representing the Contractor's profit, overheads, supervision and other charges.

(d) Summary

The Summary should contain a tabulation of the separate parts of the Bills of Quantities carried forward, with provisional sums for Daywork, for physical (quantity) contingencies, and for price contingencies (upward price adjustment) where applicable.

SECTION VII – STANDARD FORMS

- (i) Form of Invitation for Tenders
- (ii) Form of Tender
- (iii) Letter of Acceptance
- (iv) Form of Agreement
- (v) Form of Tender Security
- (vi) Performance Bank Guarantee
- (vii) Bank Guarantee for Advance Payment
- (viii) Qualification Information
- (ix) Tender Questionnaire
- (xi) Confidential Business Questionnaire

- (x) Statement of Foreign Currency Requirement

Details

of

Sub-Contractors

FORM OF TENDER (to be filled on the Contractor's letterhead)

**To: THE PRINCIPAL,
THE MERU NATIONAL POLYTECHNIC
P.O BOX 111-60200 MERU.**

**Construction of an Administration
Block at Meru National Polytechnic
(MNP/CONST/001/2021-2022)**

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

Kshs..... *[Amount in 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 Employer's Representative'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 **for a period of 150 days from the date of tender opening**, and shall remain binding upon us and may be accepted at any time before the expiry of that period.
- 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.....

Signaturein the capacity of

Duly authorized to sign tenders for and on behalf of:

.....*[Name of Tenderer]*

of.....*[Address of Tenderer]*

PIN No.

VAT CERTIFICATE No.

Witness: Name

Address Signature

FORM OF TENDER SECURITY

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

..... (Name of Contract)

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

FORM OF AGREEMENT

This agreement is made on

Between

Of (or whose registered office is situated at)

.....
(Hereinafter called “the employer”) of the one part

And

Of (or whole registered office is situated at)

.....
(Hereinafter called “the main Contractor”) of the other part:

And whereas the Contractor has supplied the employer with a priced

Copy of the bills of quantities (hereinafter referred to as “the bills”), where applicable,
which together with the drawings
numbered.....

.....
(Here in after referred to as “the contract drawings), the specifications and the conditions
of contract,

NOW IT IS HEREBY AGREED AS FOLLOWS:

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

1.2 The employer shall pay the Contractor the sum of the Kshs (in
words).....

.....Kshs.....)

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

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

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

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

1.6 AS WITNESS the hands of the said parties;

Signed by the said

.....(employer)

In the presence of

Name

Address

Signed by the said

..... (Contractor)

In the presence of

Name

Address

PERFORMANCE BANK GUARANTEE

**To: THE PRINCIPAL,
THE MERU NATIONAL POLYTECHNIC,
P.O BOX 111-60200 MERU**

Dear Sir,

WHEREAS(hereinafter called “the Contractor”) has undertaken,
in pursuance of Contract No. dated to execute
..... (here in after called “the Works”);

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

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

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of
the Contractor, up to a total of:

Kshs. (*amount of Guarantee in figures*)

Kenya Shillings
.....(*amount of Guarantee in words*),

And we undertake to pay you, upon your first written demand and without cavil or argument, any sum or
sums within the limits of Kenya Shillings
..... (*amount of Guarantee in words*) as
aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum
specified therein.

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

We further agree that no change, addition or other modification of the terms of the Contract or of the

Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any change, addition, or modification.

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

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank

Address

Date

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 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 (2d) whichever applies to your type of business.

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

Part 1 – General

Business Name

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

Email address:.....

Plot No..... Street/Road

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

Nature of Business.....

Current Trade Licence No..... Expiring date.....

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

Kenya Shillings.....

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.
4.

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:

	<i>Name in full</i>	<i>Nationality</i>	<i>Citizenship Details*</i>	<i>Shares</i>
1.
2.
3.
4.

Part 2(d) Interest in the Firm:

Is there any person/persons in the employment of the Government of Kenya WHO has interest in this firm? Yes/No (Delete as necessary)

I certify that the above information is correct.

.....
Title	Signature	Date

* *Attach proof of citizenship*

KEY PERSONNEL

Qualifications and experience of key personnel proposed for administration and execution of the Contract.

POSITION	NAME	YEARS OF EXPERIENCE (GENERAL)	YEARS OF EXPERIENCE IN PROPOSED POSITION
1.			
2.			
3.			
4.			
5.			
6.			
7.			

I certify that the above information is correct.

.....
Title

.....
Signature

.....
Date

CONTRACTS COMPLETED IN THE LAST FIVE (5) YEARS

Work performed on works of a similar nature, complexity and volume over the last 5 years.

PROJECT NAME	NAME OF CLIENT	TYPE OF WORK AND YEAR OF COMPLETION	VALUE OF CONTRACT (Kshs.)

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

.....

Title

.....

Signature

.....

Date

SCHEDULE OF ON-GOING PROJECTS

Details of on-going or committed projects, including expected completion date.

PROJECT NAME	NAME OF CLIENT	CONTRACT SUM	% COMPLETE	COMPLETION DATE

I certify that the above works are currently being carried out by ourselves.

.....

Title

.....

Signature

.....

Date

FINANCIAL REPORTS FOR THE LAST TWO YEARS

(Balance sheets, Profits and Loss Statements, Auditor's reports, etc.)

List below and attach copies)

1. _____.
2. _____.
3. _____.
4. _____.
5. _____.
6. _____.
7. _____.
8. _____.
9. _____.
10. _____.

EVIDENCE OF FINANCIAL RESOURCES TO MEET QUALIFICATION REQUIREMENTS

(Cash in Hand, Lines of credit, e.t.c. List below and attach copies of supportive documents.)

1. _____.

2. _____.

3. _____.

4. _____.

5. _____.

6. _____.

7. _____.

8. _____.

9. _____.

10. _____.

DETAILS OF LITIGATIONS OR ARBITRATION PROCEEDINGS IN WHICH THE
TENDERER IS INVOLVED AS ONE OF THE PARTIES

1. _____.

2. _____.

3. _____.

4. _____.

5. _____.

6. _____.

7. _____.

8. _____.

9. _____.

10. _____.

1. _____.

Statement of Compliance

- a) I confirm compliance of all clauses of the General Conditions, General Specifications and Particular Specifications in this tender.

- b) I confirm I have not made and will not make any payment to any person, who can be perceived as an inducement to win this tender.

Signed:*for and on behalf of the Tenderer*

Date:

Official Rubber Stamp:

LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

To: _____

RE: Tender No. _____

Tender Name _____

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

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

(FULL PARTICULARS) _____

SIGNED FOR ACCOUNTING OFFICER

SECTION V111: EVALUATION CRITERIA

TENDER EVALUATION CRITERIA.

After tender opening, the tenders will be evaluated in 3 stages, namely:

- 1) Determination of Responsiveness
- 2) Detailed Technical Examination
- 3) Financial Evaluation.

STAGE 1- DETERMINATION OF RESPONSIVENESS

A. PRELIMINARY EXAMINATION.

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

These conditions will include the following:

- i) Category of Registration with National Construction Authority in relevant trade and or any other statutory bodies.
- ii) **Single business permit with relevant county government authorities.**
- iii) Tax compliance issued by Kenya Revenue Authority.
- iv) Company certificate of incorporation.
- v) Provision of Bid Security of tender amount.
- vi) Dully filled Form of Tender.

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

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

STAGE2: TECHNICAL EVALUATION.

The tender document shall be examined based on the instruction to Tenderers which states as follows:

In accordance to Instructions to Tenderers, the tenderers will be required to prove evidence for eligibility of the award of the tender by satisfying the employer of their eligibility and adequacy of resources to effectively carry out the subject contract. The tenderers shall be required to fill the Standards Forms provided for the purpose of providing the required information. The tenderers may also attach the required information if they so desire.

The award of points for the **STANDARD FORMS** considered in this section shall be shown as below:

PARAMETER**MAXIMUM POINTS**

(i)	Statement of Compliance	3
(ii)	Tender Questionnaire	5
(iii)	Confidential business questionnaire	5
(iv)	Key personnel.....	2
(v)	Contract Completed in the first Five (5) years.....	15
(vi)	Schedules of on-going projects	10
(vii)	Schedule of contractors equipment	10
(viii)	Audited Financial Recourses for the last 2 years.....	10
(ix)	Evidence of Financial Resources.....	10
(x)	Name, Address and Telephone of Banks (Contractor to provide).....	5
(xi)	Litigation History	2
(xii)	Sanctity of the tender document as in accordance with clause 5 of instruction to tender	5

TOTAL**100**

S/N	Description	Points Scored	Max. Point	
1.	Statement of Compliance a. Filled signed and stamped 3 b. Signed but not stamped or vice versa... 2 c. Not signed nor stamped 0		3	
2.	Tender Questionnaire Form a. Completely filled 5 b. Partially filled 3 c. Not filled 0		5	
3.	Confidential Business Questionnaire Form. a. Completely filled 5 b. Partially filled 3 c. Not filled..... 0		5	
4.	Key Personnel (attach evidence) Director of the firm a. Holder of degree or diploma in relevant Engineering field..... 5 b. Holder of certificate in relevant engineering field..... 3 c. Holder of trade test certificate in relevant Engineering field..... 2 d. No relevant certificate..... 0		5	20

	<p>At least 1 No. degree/diploma holder of key personnel relevant Engineering field.</p> <p>a. With over 10 years relevant experience.....5</p> <p>b. With over 5 years relevant experience.....3</p> <p>c. With under 5years relevant experience.....1</p>		5	
	<p>At least 2 No. certificate holder of key personnel in relevant Engineering field.</p> <p>a. With over 10 years relevant experience.....5</p> <p>b. With over 5 years relevant experience.....2</p> <p>c. With under 5years relevant experience.....1</p>		6	
	<p>At least 2 No. artisan (trade test certificate in relevant engineering field)</p> <p>a. Artisan with over 10 years relevant experience..... 2</p> <p>b. Artisan with under 10 years relevant experience..... 1</p> <p>c. Non skills worker with over 10 years experience..... 1</p>		4	
5	<p>Contract completed in the last five (5) years (a max of 5 No. projects)(attach evidence)</p> <p>a. Project of similar nature, complexity and magnitude3</p> <p>b. Project of similar nature but of lower value than the one in consideration 2</p> <p>c. No completed project of similar nature....0</p>		15	
6	<p>On-going projects (a max of 5 No. projects)(attach evidence)</p> <p>a. Project of similar nature ,complexity and magnitude2</p> <p>b. Project of similar nature but of lower value than the one in consideration 1</p> <p>c. No ongoing project of similar nature 0</p>		10	
7	<p>Schedules of contractors equipment and transport(attach proof or evidence of ownership)</p> <p>a. transport(vehicle)..... 4</p> <p>b. No means of transport.....0</p>		4	10

	For each specific equipment required in the installation of the work being tendered for. (Maximum No. of equipment to be considered-3No.)-2		6	
--	--	--	---	--

8	<p>Financial report</p> <p>Audited financial report (last two years)</p> <p>a. Annual turnover greater or equal to 5 times the cost of the project 10</p> <p>b. Annual turnover greater or equal to 3times the cost of the project6</p> <p>c. Annual turnover greater or equal to the cost of the project.....4</p> <p>d. Turnover below the cost of the project 2</p>			10
9	<p>Evidence of financial Resources (Cash in hand, lines of credit, over draft facility etc.)</p> <p>a. Has financial resources equal or above the cost of the project 10</p> <p>b. Has financial resources below the cost of the project 5</p> <p>c. Has not indicated sources of financial recourses 0</p>			10
10	<p>Name, Address and Telephone of Banks(Contractor to provide)</p> <p>a. Provide..... 5</p> <p>b. Not provide..... 0</p>			5
11	<p>Litigation History.</p> <p>a. Filled..... 2</p> <p>b. Not filled..... 0</p>			2
12	<p>Sanctity of the tender document</p> <p>a. Having the document intact(not tampered with in any way)5</p> <p>b. Having mutilated or having modified the tender document0</p>			5
	TOTAL			100

Any bidder who scores 70 points and above shall be considered for further evaluation.

STAGE 3: FINANCIAL EVALUATION

1. Financial evaluation shall be in accordance with instruction to tenders. The parameter to be considered under this section includes the following:
 - a. **Arithmetic Errors**
The bid shall be checked for arithmetic errors based on the rates and the total sums indicated in the bills of quantities
 - b. If necessary may confirmation be sought in writing from the tenders whose tender sums will be determined to have a significance arithmetic error to their disadvantage, to confirm whether they stand by their tender sums. The error shall be treated as per the **Instructions to Tenderers**.

PRICING NOTES

SECTION 1X SPECIFICATIONS AND PRICING NOTES

BILL NO. 1

The contractor should read carefully the following specification for workmanship prepared in accordance with standard specifications for building works 1976 Edition prepared by the Ministry of Public Works

GENERAL ITEMS

Materials Generally

All materials used on the works shall be new and of the qualities and kinds specified herein and equal to approved samples. Deliveries shall be made sufficiently in advance to enable samples to be taken and tested if required. No materials shall be used until approved and all materials which are not approved or which are damaged, contaminated or have deteriorated in any way or do not comply in any way with the requirements of this specification shall be rejected and shall be immediately removed from the site at the Contractors expense.

Material for which there is a Kenya Bureau of Standard specification

All materials used in the works for which a Kenya Bureau of Standards Specification has been published shall conform with the latest edition thereof in every way. The Architect reserves the right to demand that the Contractor shall obtain at his own expense a certificate in respect of any materials to state that is in accordance with the Kenya Bureau of Standard specification.

Materials for which there is no Kenya Bureau of Standards specification

All materials used in the works for which no Kenya Bureau of Standards specifications has been published shall conform with the British Standards Specification for such materials. If there are no published standards as specified for any materials, the quality of such materials shall be generally of a standard equal to those for which there is a Kenya Bureau of Standards or British Standard specification.

EXCAVATION AND EARTHWORK

Site Clearance

Site Clearance shall include the cutting down of all trees, stumps, bushes, vegetation and rubbish, burning the debris arising in approved locations and carting remaining material to a tip provided by the Contractor.

Nature of the Soil

The Contractor is advised to visit the site and ascertain the nature of the ground to be excavated and then shall price accordingly and no claim will be allowed for want of knowledge in this respect.

Rates for excavation shall include for excavation in soil, earth, black cotton, sandy soil, murrum, tuff, soft rock, boulders or whatever other subsoil is encountered except hard rock as defined below..

Foundation Excavations

- a. The foundation trenches and column bases shall be excavated to the widths and depths of the concrete foundations shown on the drawings or to such widths and depths as the Engineer may instruct after examination of the excavations. Quantities of all excavations shall be measured and valued by the Quantity Surveyor and any difference between such measurements and the measurements herein given shall be dealt with as a variation to the Contractor.
- b. If however, the Contractor excavates to any greater depths than shown in the drawings or as instructed by the Engineer, then he shall at his own expense fill in such extra depth of excavation with concrete as specified for the foundations to the satisfaction of the Engineer. The Contractor shall not be paid for the cost of any excavation executed deeper or wider than shown on the drawings or instructed by the Engineer nor the cost of back filling such excavation or disposing of surplus.

Surplus Soil Disposal

Excavated material not required for subsequent refilling shall be removed to areas off site which shall be approved by the Architect.

Top Soil for Spreading

Where required in the Bills of Quantities, top soil required for subsequent spreading over

finished work shall be especially selected and shall be dumped in Special heaps as indicated by the Architect. Such top soil shall be reasonably free from vegetation to the satisfaction of the Architect and shall be compacted as little as possible in the heaps.

Filling under Surface Beds in Buildings

i) Murram filling

Murram for filling as base course shall be from an approved source and of the highest quality. It shall be laid in layers not less than 150mm thick and not greater than 230 mm thick prior to compaction. Water will be applied to

O.M.O. and each layer will be thoroughly compacted by at least 8 passes of a

10 tonne smooth wheeled roller or a 2 tonne vibrating roller until all movement ceases and 100% C.B.R. is obtained.

ii) Hardcore filling

Hardcore filling shall be crushed rock, broken concrete or other approved hard granular materials broken to pass not greater than a 150mm ring or to be 75% of the finished thickness of the layers being compacted whichever is the less and graded so that it can be easily and thoroughly compacted by rolling. The filling is to be laid in layers each of a consolidated thickness not exceeding 230 mm.

Anti-termite treatment

Where described the top surface of filling shall be treated with Gladiator T C Pesticides to be supplied and applied by Rentokil Ltd. P.O. Box, 44360, Nairobi or other equal and approved firm strictly in accordance with the satisfaction of the Architect. The Contractor must destroy any termite nests found within the perimeter of the building and within 20 metres from the building externally and take out and destroy queens, impregnate holes and tunnels with approved insecticide and backfill with hard material, well rammed rammed and consolidated. The specialist shall be required to issue a 10 year guarantee to the Engineer.

Polythene Sheeting

Polythene sheeting shall be produced by an approved manufacturer. Joints in sheeting shall be treble folded with a 150mm fold and taped at 300mm intervals with 50mm wide back plastic adhesive tapes. The sheeting shall not stretched but shall be laid with sufficient wrinkles to permit shrinkage up to 15%.

The Contractor shall ensure that the membrane is not pierced buying laying and concreting.

Existing Services

Before commencing works, the Contractor shall at his own expense ascertain in writing from the relevant Local Authorities and all other Public bodies, companies and persons who may be affected, the position and depths of their respective ducts, cables, mains or pipes and appurtenance. He shall thereupon search for and locate such services.

Active existing services shall be adequately protected from damage or relocated as directed by the Architect. Inactive services shall be removed or sealed off in accordance with the direction of the Architect.

B. 10 Protection

The Contractor shall protect all graded and filled areas from the actions of the elements. Any settlement or washing away that occur prior to acceptance of the works shall be repaired and grades re-established to the required elevations and slopes.

CONCRETE WORK

Codes of Practice

All workmanship, materials, tests and performances in connection with reinforced concrete shall be in conformity with the latest edition of the British Standard for concrete works 9B.S. B 10 parts 1 & 2, B.S 8004, BS. 8007) and any other approved Local and International Standards. Where inconsistency exists between these preambles and these Standards, the Contractor shall notify the Engineer in good time for his Clarification as to which of the two implications on the Contract.

Supervision

A competent person approved by the Engineer shall be employed by the Contractor whose duty will be to supervise all stages in the preparation and placing of the concrete. All cubes shall be made and site tests carried out under his direct supervision on Consultation with the Engineer.

Cement

Cement unless otherwise specified shall be ordinary Portland Cement of a brand and source approved by the Engineer and shall comply With the requirements of K.S.02-21. A manufacturers certificate of test in accordance with K.S.0221 shall be supplied for each consignment delivered to the site.

Aggregate

Aggregates shall conform with the requirement K.S.02-95 and all the proposed sources, types and grading test results of all aggregates are to be approved in all respects by the Engineer before work commences.

If in the opinion of the Engineer the aggregate meets with the above requirements but is dirty or adulterated in any manner, it shall be screened and/or washed with clean water at the Contractors expense.

Aggregate shall be delivered to the Site in their prescribed sizes or gradings and shall be stock-piled on paved areas to boarded platforms in separate units to avoid intermixing. **On no account shall premixed cores aggregates be brought to the patching plant. On no account shall aggregates be stock-piled on the ground.**

Water

The water used for mixing concrete shall be from an approved source, clean, fresh and free from harmful matter and comply with the requirements of B.S.3148.

Quality Control at Works Stage

Once the concrete mix is accepted from preliminary to works stage, the principal basis of control shall be analysis of the cube test results at 28 days.

Cement

The Quantity of cement shall be measured by weight. Where delivered in bags, each batch of concrete is to contain one or more bags of cement in accordance with the proportions specified.

For non-structural concrete, volume batching may be used as indicated below: Class of

Concrete	15 10		
Nominal mix by volume	1:3:6	1:4:8	
Cubic metres of fine aggregate Per 50 kg. bag of cement		0.12	0.16
Cubic metres of coarse aggregate Per 50kg bag of cement		0.24	0.32

Where batching is by volume, approved gauge boxes of such a size as will give the correct proportions shall be used, and full account shall be taken of bulking due to high moisture content.

Construction Joints

Construction joints shall be permitted only at the positions predetermined on the drawings or as instructed on the site by the Engineer. In general they shall be located at points of minimum shear, viz, vertical at, or near midspans of slabs, ribs and beams.

Faulty Concrete

Any concrete which fails to comply with these Preambles, or which shows signs of setting before it is placed shall be taken out and removed from the site, where concrete is found to be defective after set the concrete shall be cut out and replaced in accordance with the Engineer's instructions.

On no account shall any faulty, honeycombed or otherwise defective concrete be required or patched until the Engineer has made an inspection and issued instructions for the repair.

Steel reinforcement

The steel reinforcement shall comply with the latest requirements of the following British Standards:-
Hot rolled MS for the Reinforcement of concrete BS 4449
Hot rolled MS for the Reinforcement of concrete BS 4449
Cold worked H . Y. steel for the Reinforcement of concrete BS 4461
Hard drawn steel wire BS 4482

Fabric Reinforcement

Fabric reinforcement shall be electrically cross-welded steel wire mesh reinforcement to BS. 1483 and of the size and weight specified and made of wire to B.S. 4482.

Fixing Steel Reinforcement

Reinforcement shall be accurately bent to the shapes and dimensions shown on the Drawings and Schedules and in accordance with B.S. 4466 and B.S. 8110.

Reinforcement must be cut and bent cold and no welded joints will be permitted unless to detailed or

directed by the Engineer.

Formwork

The method and system of formwork which the Contractor proposed to use shall be approved by the Engineer before construction commences. Formwork shall be substantially and rigidly constructed of timber, steel, plastic, pre-cast concrete or other approved material.

All timber formwork shall be good, sound, clean, sawn, well-seasoned timber free from warps and loose knots and scantlings sufficiently strong for their purpose.

WALLING

MATERIALS

Cement

Cement Used for making mortar shall be as described in concrete work.

Lime

The lime for making mortar shall be obtained from an approved source and shall comply with BS 890 class A for non-hydraulic lime. The lime to be run to putty in an approved lined pit or container. The water to be first run into the pit or container and the lime to be added until it is completely submerged, stirred vigorously until all lumps are disintegrated and shall be kept constantly covered with water and regularly stirred for at least four weeks. The resulting milk-lime then to be run through a fine sieve and run into a pit or other container and kept clean and moist for not less than two weeks before being used in the works.

Sand

Sand used for making mortar shall be clean, well graded siliceous sand of good sharp hard quality equal to samples which shall be deposited with and approved by the Architect. It shall be free from lumps of stone, earth, loam, dust, salt, organic matter and other deleterious substances, passed through a fine sieve and washed with clean water if so directed by the Architect.

Water

Shall be as described in Concrete work.

Stone

All stone shall comply with the requirements of CP 121.202 for masonry and rubble walls respectively except where amended or extended by the following clauses.

Reinforced Walls

Steel reinforcing bars in walls shall be carefully placed and spacers used to ensure that a minimum of 20 mm cover is given to the reinforcement unless otherwise specified.

Horizontal reinforcement in mortar joints shall be laid such that the reinforcement is not in contact with the blocks or stone.

Wall Ties

Wall ties shall be provided to connect walls to steel or concrete columns and beams to connect two unbounded leaves of wall.

Wall ties shall be provided at 450mm centres both vertically and 900mm centres horizontally and shall be staggered when used to connect two leaves of unbounded wall. Wall ties shall be embedded into each material by a minimum of 50mm

Fair Face

All concrete and hollow blockwork described as finished with a fair face is to be built to a true and even face with the joints finished as specified hereinafter.

Pointing

Pointing of walls shall be prepared for pointing by raking out all loose or friable material to a minimum of 15 mm to form a square recess. The joints shall then be wetted and new mortar shall be forced into the joints and finished as directed.

GLAZING

MATERIALS

General

Glass used in glazing and for mirrors shall be best quality clear glass free from visible defects so that to afford uninterrupted vision or reflection as appropriate and without obvious distortion.

Standards

Glass for glazing and mirrors shall be approved manufacture and is to comply with B.S. 952 in all respects free from flaws, bubbles, specks and other imperfections.

Clear sheet glass etc

The clear sheet glass shall be ordinary glazing (OG) quality.

Obscured Glass

To be of type described and as approved Architect.

Putty

- a) The putty for glazing to wood sashes is to be linseed oil putty all as B.S. 644. Workmanship

WORKMANSHIP

General

Glazing of all types in all locations shall be carefully executed by artisans skilled in this type of work and in conformance with the recommendations of CP 152. Glazing shall be carefully fitted so that it is not subject to pressure and stresses imposed by being an oversight fit within framing.

METALWORK

MATERIALS

Generally

All material shall be the best of their respective kinds free from defects and all work to be carried out in the most workmanlike manner and strictly as directed by the Architect. The materials in all stages of transportation, handling and stacking shall be kept clean and prevented from injury by breaking, bending or distortion and weather action.

Mild Steel

Mild steel shall comply with B.S.15.

Hollow Section Tubing

Square and rectangular hollow section tubing shall be hot rolled mild steel in accordance with Grade 43C of BS 4360.

Bolts, Nuts and Washers

These shall be fabricated from materials which comply with B.S.15 and each manufactured item shall comply with the appropriate B.S.

Galvanized Sheet Steel

To be No.24 S.W.G. of approved manufacture to B.S. 2989 of quality mild steel sheets cold rolled close annealed patent flattened and hot dip galvanized.

Stainless Steel

Stainless steel tube shall be Austenic steel B.S. comparable to B.S. 1449 Type 316 S 16.

Steel Grilles

Steel Grilles shall be manufactured from section conforming with B.S.990 of heavy duty sections of the metric W20 range of approved manufacture and design approved by the Architect.

After manufacture and before delivery to site steel windows are to be hot galvanized by dipping in a bath of molten zinc or painted with one coat primer.

WORKMANSHIP

Welding

All welding is to be in accordance with the requirements of B.S.1856 and 938 and the electrodes shall comply with B.S. 639.

Painting

All steel is to be wire brushed and any loose scale, dirt or grease shall be removed before any painting is commenced. One coat of red oxide primer type A to B.S. 2523 shall be applied at the shop.

Any damage to the printing paint shall be made good to the Architects satisfaction.

F.10 Fixing of Steel Grilles

Fixing of metal grilles shall include for assembling and fixing, including screwing to sub-frames or cutting mortices for lugs in concrete or walling and running with cement mortar (1:4), bedding frames in similar mortar, pointing in mastic, bedding sills, transoms and mullions in mastic, making good finishings around both sides and fixing, and adjusting all fittings and frames.

FLOOR, WALL AND CEILING FINISHINGS

PLASTERWORK

Generally

Render, both internal and external shall be cement and sand in the proportions 1:4 finished to the thickness specified.

Plaster shall consist of an undercoat of 1 part cement to 6 parts sand by volume, and a finishing coat of 1 part cement to 10 parts lime putty. Each coat shall be finished to the thickness specified.

Cement

Ordinary Portland cement and shall comply with KS. 02-21. White and coloured cements shall comply with B.S. 12 and be obtained from an approved manufacturer.

Lime

Lime shall be prepared from hydrated lime complying with B.S. 890, Part 2.

Sands

Sands for cement and lime mixes shall comply with B.S. 1199, Table 1.

Water

Water shall be clean and kept free from all impurities.

Mixing of materials

All materials shall be thoroughly mixed in the proportions described. No mixes of plasters, other than described shall be used.

Period between coats

Cement - lime undercoats shall be allowed to dry out thoroughly before a further coat is applied.

Surfaces of beds and backings

Screeded beds for insitu finishings of floor finishings bedded in mortar, shall be left rough from the screeding board.

loated beds for inflexible floor finishings bedded in mastic, shall be left with a plain untextured surface.

Trowelled beds for flexible finishings shall be finished smooth and free from score marks, or depressions.

Screeded backings for insitu wall finishings or wall finishings bedded in mortar shall be scratched for key.

Floated backings for inflexible wall finishings fixed with adhesive shall be left with a plain surface.

Trowelled backing for flexible wall finishings shall be finished smooth and free from score marks or depressions.

Beds and Backings for finishings by specialists shall be to the approval of the specialist.

G.9 Preparation of surfaces

All surfaces to receive the finishings in this section shall be thoroughly cleaned. Screech to receive finishings bedded in mortar shall be well wetted before laying is commenced.

PAINTING AND DECORATING

MATERIALS

Colour range

Painting and decorative schemes shall be carried out in colours selected by the Architect from the approved range of colours.

Approval of brands

The Contractor shall seek, in writing, approval from the Architect for all brands of paint he wishes to use.

Quality of Products

Where a type of paint is produced by the Manufacturer in more than one quality, only paints and materials of the first or best quality shall be used in the works. The container label shall indicate clearly the quality of the paint being used.

Where it is not evident that the first or best quality of paint is being used, the Architect will order the removal of such materials from the site and rectification of any work executed with those materials, all at the Contractors expense.

H.5 Same makers materials used forcoating

While materials for the work may be obtained from several makers, undercoats and finishing coats for a particular surface must be obtained from the same maker, (i.e. one makers undercoat).

H.8 Remediating defects due to defectivematerials

All materials, which in the opinion of the Architect are unsatisfactory shall be immediately removed from the site and any work executed with such defective materials shall be made good by the Contractor expense, to the satisfaction of the Architect.

Emulsion paint

Emulsion paint (interior and/or exterior), shall have a **P.V.A.** base and shall be of an approved band. The first coat shall be thinned in accordance with the manufactures instructions. Where described as applied externally, the paint shall incorporate an approved fungicide to prevent fungus growth.

Black bituminous paint

Black bituminous paint shall comply with B.S. 3416, Type I for general use, Type II for drinking water tanks.

Primer for iron and steelwork

Primer for iron and steelwork shall be:

- a) Lead based priming paint complying with B.S. 2523, Type B.
- b) Calcium plumbate priming paint complying with B.S. 3698, Type A.

Primer for woodwork

Primer for internal woodwork, other than the internal surfaces of external doors, windows and their frames and backs of frames and linings, etc. in contact with masonry, concrete or plaster, shall be leadless white or light grey priming paint not darker than 9-093 of B.S. 4800 which shall be compatible with the subsequent coats and obtained from the same maker.

Oil paints

Hard gloss, semi-gloss matt and flat oil paints, and respective undercoats, shall be approved quality, as appropriate.

Polyurethane lacquer

Polyurethane lacquer shall be an approved single pack or two pack lacquer as described of interior or exterior quality, as appropriate.

H.31 Plaster, rendering, concrete block work and brickwork

All plaster or mortar splashes, etc shall be removed from plaster rendering, concrete, block, work and brickwork by careful scraping; all holes, cracks, etc., shall be stopped and the whole of the surfaces shall be brushed down to remove dust and loose materials. In addition, all traces of mould oil shall be removed from concrete surfaces by scrubbing with water and detergent and rinsing with clean water to remove all detergent.

H.35 Iron and steel

Before fixing, all rust and scale shall be removed from iron and steel surfaces by wire- brushing, scraping, hammering, flame cleaning etc.

Hardwood

All dirt and grease shall be removed from hardwood surfaces. After priming, all nail holes and other imperfections shall be stopped.

Fibreboard

All dirt shall be brushed off from fibreboard surfaces. After priming all nail holes and other imperfections shall be stopped.

Plywood

Surfaces of plywood to be painted shall be filled as required with a plaster based filler for internal work, and a filler as described in stopping here before for external work, and then rubbed down and all dust and loose materials brushed off.

Woodwork to be painted

Before fixing woodwork, all surfaces which will be visible after fixing shall be rubbed down and all knots and resin pockets shall be scorched back and coated with knotting.

After priming and fixing, all nail holes and other imperfections shall be stopped and the whole surface shall be rubbed down and all dust brushed off.

Woodwork to receive clear finish

All holes and other imperfections in surfaces to receive a clear finish shall be stopped and the whole surface shall be rubbed down to a fine satin finish and all dust brushed off.

WORKMANSHIP

Standard of Workmanship

Prior to the commencement of internal or external decoration, areas not exceeding 50 square metres in total area, and designated by the Architect, shall be completely decorated, and after approval shall

be used as a standard for the whole of the works. Any additional cost involved in carrying out such decoration in advance of the general work shall be deemed to be included in the Contract Sum. Such decorated surfaces shall be made good and touched up as necessary prior to the handing over of the works.

Stirring of materials

The contents of all cans and containers of all materials must be properly and thoroughly stirred before and during use and shall be suitably strained as and when necessary.

Manufacturer's instructions

All materials shall be used strictly in accordance with instructions issued by the manufacturers concerned. The addition of thinners, driers or other materials will only be permitted when specially required by the maker and the procedure approved by the Architect.

H.45. Brushwork

Unless otherwise described, all coatings shall be applied by brush. Written permission must be obtained from the Architect for the application of coatings by spray or roller where not so described, and if permission is granted, such application shall not result in extra cost to the Employer.

SECTION X BILLS OF QUANTITIES

A) PRICING OF PRELIMINARIES ITEMS.

Prices will be inserted against item of preliminaries in the contractor's Bills of Quantities and specification. These Bills are designated as Bill 1 in this Section. Where the contractor fails to insert his price in any item he shall be deemed to have made adequate provision for this on various items in the Bills of Quantities. The preliminaries form part of this contract and together with other Bills of Quantities covers for the costs involved in complying with all the requirements for the proper execution of the whole of the works in the contract.

The Bills of Quantities are divided generally into three sections:-

a) Preliminaries – Bill 1

Contractor preliminaries are as per those described in conditions of contract. The contractor shall study the conditions and make provision to cover their cost in this Bill. The number of preliminary items to be priced by the Tenderer has been limited to tangible items such as site office, temporary works and others. However the Tenderer is free to include and price any other items he deems necessary taking into consideration conditions he is likely to encounter on site.

b) Installation Items and Other Bills - Bill 2

The brief description of the items in these Bills of Quantities should in no way modify or supersede the detailed descriptions in the contract Drawings, conditions of contract and specifications.

c) Summary

The summary contains tabulation of the separate parts of the Bills of Quantities carried forward with provisional sum, contingencies and any prime cost sums included. The contractor shall insert his totals and enter his grand total tender sum in the space provided below the summary.

This grand total tender sum shall be entered in the Form of Tender provided elsewhere in this document

1. The Bills of Quantities form part of the contract documents and are to be read in conjunction with the contract drawings and general specifications of materials and works.
1. The prices quoted shall be deemed to include for all obligations under the contract including but not limited to supply of materials, labour, delivery to site, storage on site, installation, testing, commissioning and all taxes (including **16% V.A.T and 3 % Withholding tax**).
2. In accordance with Government policy, the 16% V.A.T and 3% withholding Tax **shall be deducted** from all payments made to the tenderer, and the same shall be forwarded to the **Kenya Revenue Authority (KRA)**.
3. All prices omitted from any item, section or part of the Bills of Quantities shall be deemed to have been included to another item, section or part.
4. The brief description of the items given in the Bills of Quantities are for the purpose of establishing a standard to which the contractor shall adhere to. Otherwise alternative brands of **equal** and **approved** quality will be accepted.
5. Should the contractor install any material not specified here in before receiving **approval** from the Project Manager, the contractor shall remove the material in question and, **at his own cost**, install the proper material.

6. The grand total of prices in the price summary page must be carried forward to the **Form of Tender**.
7. Tenderers must enclose, together with their submitted tenders, detailed manufacturer's
8. Brochures detailing Technical Literature and specifications on the following fittings they
Intend to offer.
9. Tenderers to note that all works covered in provisional sums are subject to re tendering on supplementary bills to be availed later

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>PRICING ITEMS OF PRELIMINARIES</u></p> <p><u>THE FOLLOWING IN PARTICULAR PRELIMINARIES</u></p> <p><u>PARTICULAR PRELIMINARIES ITEMS</u></p> <p>Please note that failure to price any item of general particular preliminaries will be construed to mean that the tenderer wishes to provide for that item free of charge.</p>	
C	<p><u>VALUE ADDED TAX & WITHHOLDING TAX</u></p> <p>The contractor shall allow for addition of 16% Value Added Tax (V.A.T.) within the rates of these Bills of Quantities. Any omission in respect thereof shall be treated and corrected as an arithmetic error as per clause 5 of the instructions to Tenderers. The Contractor shall also allow for 3% Withholding Tax which should be included within the pricing rates</p> <p>Please note that from every Interim and Final Payment 3% Withholding Tax shall be deducted and paid directly to the K.R.A.</p>	
D	<p><u>FIRM PRICE CONTRACT</u></p> <p>This is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/ or materials during the currency of the contract.</p>	
D	<p><u>SCOPE OF THE CONTRACT</u></p> <p>The works to be carried out under this contract comprises PROPOSED ADMINISTRATION BLOCK AT MERU NATIONAL POLYTECHNIC</p>	
E	<p><u>DESCRIPTION OF THE WORKS</u></p> <p>Setting out, Work to Substructures, Work to (i) Ground Floor, (ii) First Floor, (ii) Second Floor, (iii) Third Floor and Roof all to Completion.</p>	
F	<p><u>FLOOR AREA</u></p> <p>The approximate total gross floor area is 3500 square metres. The total gross floor area is given without any warranty but for guidance only.</p>	
G	<p><u>MEASUREMENTS</u></p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract document shall immediately be referred to the Project Manager.</p>	
	<p>Total Carried To Collection</p>	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>LOCATION OF SITE</u></p> <p>The site for works is located at Meru National Polytechnic</p> <p>The tenderer shall be deemed to have visited the site and familiarized himself with all site conditions prior to submission of tenders.</p> <p>No claims arising from the tenderers failure to do so will be entertained.</p>	
B	<p><u>EXISTING BUILDING SERVICES</u></p> <p>Special precautions shall be required throughout the contract period to avoid damage to the existing cables, drains and other services. The Contractor shall allow for making good any damage arising from his actions during execution of this contract at his own expense.</p>	
C	<p><u>GENERAL SPECIFICATIONS</u></p> <p>The Contractor is referred to General Specifications for Building Works – 1976 Edition Pages B1 – B2 and must allow for all costs in complying with these clauses.</p>	
D	<p><u>CONTRACT COMPLETION PERIOD</u></p> <p>The contract completion period in accordance with condition 31 of the conditions of contract must be strictly adhered to.</p> <p>The PROJECT MANAGER shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary, the PROJECT MANAGER shall inform the Contractor in writing that his actual performance on site is not satisfactory.</p> <p>In all such cases, the Contractor shall accelerate his rate of performance, production and progress by all means such as additional labour, plant, e.t.c., and working overtime all at his cost.</p>	
E	<p><u>WORKING CONDITIONS</u></p> <p>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.</p>	
F	<p><u>SIGN BOARD</u></p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>LABOUR CAMPS</u></p> <p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	
B	<p><u>MATERIALS FROM DEMOLITIONS</u></p> <p>Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates for the cost of assembling and keeping them at the Ministry of Works, Meru County.</p>	
C	<p><u>PRICING RATES</u></p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing all to comply with the said Conditions of Contract.</p>	
D	<p><u>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO THE CONTRACT AGREEMENT</u></p> <p><u>The following are the insertions to be made in the appendix to the Contract Agreement: -</u></p> <p>Period of Final Measurement - 3 Months From Practical completion</p> <p>Defects Liability Period - 6 Months from practical completion</p> <p>Date for Possession - To be agreed with the Project Manager</p> <p>Date for Completion - - To be agreed with the Project Manager</p> <p>Liquidated and Ascertained At the rate of Kshs 10,000.00 per week or part thereof</p> <p>Prime cost sums for which the The Contractor desires to tender</p> <p>Period of Interim Certificate - Monthly</p> <p>Period of Honouring Certificates - 30 days</p> <p>Percentage of Certified Value Retained -10%</p> <p>Limit of Retention Fund - 5%</p> <p>Bonds Shall be from Approved Banks and Insurance Companies</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
	<u>COLLECTION</u> Brought Forward From Page PRE/1 Brought Forward From Page PRE/2 Brought Forward From Page PRE/3	
	TOTAL FOR PARTICULAR PRELIMINARIES ~ CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</u></p> <p><u>THE FOLLOWING IN GENERAL PRELIMINARIES</u></p> <p><u>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</u></p> <p>The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p>	
B	<p><u>ABBREVIATIONS</u></p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p>C.M. Shall mean cubic metre</p> <p>S.M. Shall mean square metre</p> <p>L.M. Shall mean linear metre</p> <p>mm Shall mean millimetre</p> <p>KG. Shall mean Kilogramme</p> <p>NO. Shall mean Number</p> <p>PRS. Shall mean Pairs</p> <p>B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p>Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p>m.s. Shall mean measured separately.</p> <p>a.b.d Shall mean as before described.</p> <p>P.M. Shall mean Project Manager</p>	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</u></p> <p>Attendance ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>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.</p> <p><u>Fix Only:-</u></p> <p>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.</p>	
B	<p><u>EMPLOYER</u></p> <p>The "Employer" is: The Board of Management (B.O.M), Meru National Polytechnic</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p>	
C	<p><u>PROJECT MANAGER</u></p> <p>The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>	
D	<p><u>ARCHITECT</u></p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works. P.O. Box 25-60200, MERU.</p>	
E	<p><u>QUANTITY SURVEYOR</u></p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works. P.O. Box 25-60200, MERU.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>ELECTRICAL ENGINEER</u></p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works. P.O. Box 25-60200, MERU.</p>	
B	<p><u>MECHANICAL ENGINEER</u></p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works. P.O. Box 25-60200, MERU.</p>	
C	<p><u>STRUCTURAL ENGINEER</u></p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works. P.O. Box 25-60200, MERU.</p>	
D	<p><u>FORM OF CONTRACT</u></p> <p>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</p> <p>The Conditions of Contract are also included herein</p> <p>Conditions of Contract; These are numbered from 1 to 38 as set out in pages 18 to 38 of these tender documents</p> <p>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</p>	
E	<p><u>BOND.</u></p> <p>The Contractor shall find and submit on the Form of Tender and approved bank and who will be willing to be bound the Government in and amount equal to five per cent (5%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the PROJECT MANAGER and who will when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.</p>	
F	<p><u>PLANT, TOOLS AND VEHICLES</u></p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>	
	<p>Total Carried To Collection</p>	

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

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</u></p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p>	
B	<p><u>SECURITY OF WORKS ETC.</u></p> <p>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.</p>	
C	<p><u>PUBLIC AND PRIVATE ROADS.</u></p> <p>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</p>	
D	<p><u>EXISTING PROPERTY.</u></p> <p>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</p>	
C	<p><u>VISIT SITE AND EXAMINE DRAWINGS.</u></p> <p>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.</p>	
	<p>Total Carried To Collection</p>	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>ACCESS TO SITE AND TEMPORARY ROADS</u></p> <p>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 (approximately 70 metres long) 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</p>	
B	<p><u>AREA TO BE OCCUPIED BY THE CONTRACTOR</u></p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>	
C	<p><u>OFFICE ETC. FOR THE PROJECT MANAGER</u></p> <p>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.</p> <p>The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>	
D	<p><u>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</u></p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER .</p> <p>The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>SANITATION OF THE WORKS</u></p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>	
B	<p><u>SUPERVISION AND WORKING HOURS</u></p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>	
C	<p><u>PROVISIONAL SUMS</u></p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(j) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Such sums are net and no addition shall be made to them for profit.</p>	
D	<p><u>PRIME COST (OR P.C.) SUMS.</u></p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors.</p> <p>Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>	
E	<p><u>PROGRESS CHART.</u></p> <p>The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>ADJUSTMENT OF P.C. SUMS.</u></p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid.</p> <p>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.</p> <p>Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be as if the work were executed by a Nominated Sub-Contractor.</p>	
B	<p><u>ADJUSTMENT OF PROVISIONAL SUMS.</u></p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 13 of the Conditions of Contract, 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.</p>	
C	<p><u>NOMINATED SUB-CONTRACTORS</u></p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Condition No. 20 of the Conditions of Contract 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> <p>P.C. Sums under the description "add for Attendance".</p>	
D	<p><u>DIRECT CONTRACTS</u></p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a Direct Contract for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>ATTENDANCE UPON OTHER TRADESMEN, ETC.</u></p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
B	<p><u>INSURANCE</u></p> <p>The Contractor shall insure as required in Conditions Nos. 22 and 23 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>	
C	<p><u>PROVISIONAL WORK</u></p> <p>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 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</p> <p>Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>	
D	<p><u>ALTERATIONS TO BILLS, PRICING, ETC.</u></p> <p>Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored.</p> <p>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.</p> <p>All items of measured work shall be priced in detail and the Tenders containing Sums to cover trades or groups of work must be broken down to show the price of Lump of each item before they will be accepted.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>BLASTING OPERATIONS</u></p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>	
B	<p><u>MATERIALS ARISING FROM EXCAVATIONS</u></p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	
C	<p><u>PROTECTION OF THE WORKS.</u></p> <p>Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>	
D	<p><u>REMOVAL OF RUBBISH ETC.</u></p> <p>Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>	
E	<p><u>WORKS TO BE DELIVERED UP CLEAN</u></p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p>	
F	<p><u>FIRM PRICE CONTRACT</u></p> <p>Unless otherwise specifically stated in the Particular Preliminaries this is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/or materials during the currency of the contract.</p>	
	<p>Total Carried To Collection</p>	

ITEM	DESCRIPTION	AMOUNT (KSHS)
A	<p><u>GENERAL SPECIFICATION.</u></p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
B	<p><u>TRAINING LEVY</u></p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p>	
C	<p><u>MATERIALS ON SITE</u></p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER.</p> <p>This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	
D	<p><u>HOARDING</u></p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>	
E	<p><u>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</u></p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
F	<p><u>COPYRIGHT</u></p> <p>The copyright of these documents is vested in the Chief Quantity Surveyor, Ministry of Public Works. No part of this document may be reproduced in any form or by any means without their prior permission.</p>	
	<p>Total Carried To Collection</p>	

ITEM	DESCRIPTION	AMOUNT (KSHS)
	<u>COLLECTION</u>	
	Brought Forward From Page PRE/5	
	Brought Forward From Page PRE/6	
	Brought Forward From Page PRE/7	
	Brought Forward From Page PRE/8	
	Brought Forward From Page PRE/9	
	Brought Forward From Page PRE/10	
	Brought Forward From Page PRE/11	
	Brought Forward From Page PRE/12	
	Brought Forward From Page PRE/13	
	Brought Forward From Page PRE/14	
	Brought Forward From Page PRE/15	
	TOTAL FOR GENERAL PRELIMINARIES ~ CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	AMOUNT (KSHS)
	<p><u>PRICING ITEMS OF PRELIMINARIES</u></p> <p><u>THE FOLLOWING IN SPECIAL PRELIMINARIES</u></p> <p><u>SPECIAL PRELIMINARIES ITEMS</u></p> <p>Please note that failure to price any item of general particular preliminaries will be construed to mean that the tenderer wishes to provide for that item free of charge.</p> <p>A <u>PROJECT DOCUMENTATION</u></p> <p>Allow a Sum of Kenya Shillings One Hundred Thousand and Fifty Thousand Only (Kshs. 150,000.00) for Documentation Expenses</p> <p>B <u>NEEMA</u></p> <p>Allow a Sum of Kenya Shillings One Hundred Thousand and Fifty Thousand Only (Kshs. 150,000.00) for Environmental Impact Assessment Report</p> <p>C <u>CONSTRUCTION LEVY</u></p> <p>The Contractor's attention is drawn to Legal Notice No. 74 of 6th June, 2014 which requires payment to the national Construction Authority by the Owner of a Construction Levy @ the Rate of 0.5% of the Contract Value of any Construction Project above 5Million Kenya Shillings.</p>	
	Total Carried To Collection	
	<p><u>COLLECTION</u></p> <p>Brought Forward From Page PRE/17</p>	
	TOTAL FOR SPECIAL PRELIMINARIES ~ CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	<u>Note:- All work measured under this Element is upto and including the floor slab; but excluding the finishes thereon</u>				
	<u>Site Clearance</u>				
A	Clear the Site of all grass, bushes, scrubs undergrowth and small trees n.e. 600 mm girth including grubbing up their roots, and burn and/or cart away the arisings.	1,495	SM		
	<u>Excavations and Earthworks: Oversight</u>				
B	Excavate oversight to remove vegetable top soil average depth; 200mm and deposit excavated material in permanent spoil heaps or spread as directed on site or cart away n.e. 100m away and later spread and level on site; where directed	1,495	SM		
	<u>Excavations and Earthworks: for strip footings and/or column bases</u>				
C	Excavate in normal soil; for strip foundation trenches not exceeding 1.50 metres deep starting from stripped level and cart away	225	CM		
D	Excavate pit; in normal soil; for column bases not exceeding 1.50 metres deep starting from stripped level and cart away	276	CM		
E	<u>Extra over</u> normal excavations for excavating in rock; irrespective of class	75	CM		
	<u>Planking and Strutting</u>				
F	Allow for keeping excavations free from mud and all water including spring and running water by pumping, pailing or other approved means	1	ITEM		
G	Allow for planking and strutting to sides of excavations	1	ITEM		
	<u>Disposal</u>				
H	Load surplus excavated material and cart away	241	CM		
J	Return fill and ram selected imported material around foundations	260	CM		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Filling and Disposal</u>				
	<u>Hardcore Filling</u>				
A	300mm Thick Broken stone hardcore filling ; including leveling and consolidating in 150mm thick layers	809	SM		
B	50mm Thick Quarry dust blinding to surfaces of hardcore; rolled smooth; to receive polythene sheeting (m.s)	809	SM		
	<u>Insecticide Treatment</u>				
C	"TERMIDOR" or other equal and approved chemical insecticide; prepared and applied; according to the Manufacturer's printed instructions	809	SM		
	<u>Damp Proof Membrane</u>				
D	500Gauge polythene sheet or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps	809	SM		
	<u>In-situ Concrete Work</u>				
	<u>Mass Concrete (1:3:6/38-38mm aggregate) in:</u>				
E	50mm Thick blinding under strip Foundations	150	SM		
F	50mm Thick blinding under column bases	184	SM		
	<u>Vibrated Reinforced Concrete (1:2:4) in:</u>				
G	Strip Foundations	30	CM		
H	Column bases	86	CM		
J	Foundation columns	9	CM		
K	150mm Thick Surface bed	809	SM		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>R-Bar Reinforcement</u>				
	<u>MT Reinforcement bars to BS 4461 as described including tying/binding wires</u>				
A	T-20	846	KG		
B	T-16	4,951	KG		
C	T-12	871	KG		
D	T-10	487	KG		
E	T-8	388	KG		
	<u>Mesh Reinforcement</u>				
	<u>Fabric to B.S. 4483 and setting in concrete with 300mm side and end laps (measured nett - allow for laps)</u>				
F	Fabric Mesh Ref:- A142 weighing 2.22Kg per square metre in floor bed	809	SM		
	<u>Formwork</u>				
	<u>Sawn Formwork to:</u>				
G	Vertical sides of strip Foundations	100	SM		
H	Vertical sides of column bases	160	SM		
J	Vertical sides of foundation columns	88	SM		
K	Edges of floor slab; 75 - 150mm high	126	LM		
	<u>Expansion Joint:</u>				
L	25mm thick "stropor" or other equal approved expansion joint filler in floor slab	38	SM		
M	25mm thick "plastic" or other equal and approved expansion joint sealant.	4	LM		
	<u>Sub-Wall</u>				
	<u>Walling in rough chiseled natural stone walling; jointed and bedded in gauged mortar (1:3) and reinforced with and including 20swg x 25mm wide hoop iron; in every alternate course</u>				
N	200mm Thick wall in foundations	536	SM		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Plinth area finishes</u>				
A	12mm thick cement and sand (1:3) wood floated render to plinth area	38	SM		
B	Prepare and apply three coats black bituminous paint to rendered area	38	SM		
	<u>Paving slabs</u>				
C	Excavate oversite average 150mm deep; in backfilled area; load up, wheel and deposit on site as directed	157	SM		
D	50mm Thick bed of sand; on and including 150mm thick; compacted murrum; to receive paving slabs (m.s)	157	SM		
E	600 x 600 x 50mm Thick precast concrete paving slabs; laid on compacted murrum (m.s) and pointed in cement and sand (1:3) mortar around building	157	SM		
Total Carried To Collection					

<u>COLLECTION</u>					
Brought Forward From Page MPOLY/1					
Brought Forward From Page MPOLY/2					
Brought Forward From Page MPOLY/3					
Brought Forward From Page MPOLY/4					
TOTALS FOR SUBSTRUCTURES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	REINFORCED CONCRETE FRAME				
	<u>Vibrated reinforced insitu concrete Class 20/20 (1:2:4/20 - 20mm aggregate) as described in:-</u>				
A	Columns	19	CM		
B	Slab beams, beams and/or lintols	32	CM		
C	Stairs and waist	9	CM		
D	150mm Thick 1st suspended slab	799	SM		
E	150mm Thick 1st landings	13	SM		
	<u>R-Bar Reinforcement</u>				
	<u>MT Reinforcement bars to BS 4461 as described including tying/binding wires</u>				
F	T-20	5,854	KG		
G	T-16	549	KG		
H	T-12	9,197	KG		
J	T-10	5,252	KG		
K	T-8	1,867	KG		
	<u>Sawn formwork as described to:</u>				
L	Columns; vertical sides	152	SM		
M	Sides and soffits; beams and/or lintols	388	SM		
N	Sloping soffits of staircase	27	SM		
P	Soffits of suspended slab	799	SM		
Q	Soffits of landing	13	SM		
R	Risers and edges of stairs; 75 -150mm high	79	LM		
S	Edges of landing; 75 -150mm high	27	LM		
T	Edges of suspended slab; 75 -150mm high	129	LM		
U	Sloping open strings of staircase; cut to profile of steps	44	LM		
	TOTAL FOR REINFORCED CONCRETE FRAME				
	- CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>WALLING</u>				
	<u>External Walling</u>				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
A	200mm Thick walls	223	SM		
A	Extra over walling for key pointing externally; patterns to Architect's approval	223	SM		
	<u>Internal walling</u>				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
A	200mm Thick walls	246	SM		
A	150mm Thick walls	35	SM		
	<u>Horizontal damp proof course; on e layer of 3-ply bituminous felt or other equal and approved (measured nett - allow for laps)</u>				
A	200mm Wide; leveled and bedded in cement and sand (1:3) mortar under walls	133	LM		
	TOTAL FOR WALLING				
	-CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	WINDOWS				
	Mild Steel Curtain Rod				
A	35mm Diameter CHS in pair, including pre-priming and painted to approval, one end in decorative wrought steel moulded finish; to casement windows (m/s) including approved runners and screwed end brackets	51	LM		
	Aluminium Windows				
	<u>Purpose made powder coated aluminium windows, complete with 6mm clear/obscure glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
B	Size 5000 x 900mm high; but with obscure glazing (W1)	3	NO		
C	Size 2250 x 1800mm high (W2)	19	NO		
D	Size 950 x 2100mm high (W3)	2	NO		
E	Size 900 x 1600mm high (W4)	-	NO		
	Curtain walling				
	<u>Purpose made powder coated aluminium windows, complete with 8mm laminated tinted glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
F	Size 1600 x 3300mm high	8	NO		
TOTAL FOR WINDOWS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	DOORS				
	External Doors				
	Steel casement doors				
	<u>Standard steel casement doors complete with hinges, bolts and locking devices assembled and primed with red oxide, permanent vents with mosquito gauze; then fixed to opening including cutting and pinning lugs to concrete or masonry surround and bedding frame in cement sand mortar (1:4)</u>				
A	Double door overall size 1800 x 2400mm high; infilled with 4mm clear glass on size 200 x 200mm panes; each door leaf size 900x2400mm high; 3lever mortise lock, padlock hasps and 100mm long tower bolt.	1	NO		
	Entrance doors				
B	Provide the provisional sum of Kenya Shillings Two Hundred Thousand for composite door comprising of revolving door, swinging doors and fixed lights including all ironmongery and finishing to satisfaction, overall size 3600 x 2400mm high.	1	SUM		
	Painting				
C	Prepare and apply three coats of gloss oil to metal surfaces	9	SM		
	Internal doors				
	Aluminium Doors				
	<u>The following in powder coated aluminium framed side hung doors in approved heavy duty (minimum 2mm thick) sections supplied complete with 6mm clear laminated glass in rubber glazing including glazing 6mm thick strips and powder coated aluminium beading including all necessary ironmongery such as hinges, propriety aluminium door handles and 3-lever approved door locks all to the approval of the Architect as per door & window schedule</u>				
D	Door size 900 x 2400mm high including 6mm thick clear laminated glass	4	NO		
E	Ditto but double door size 1200x2400mm high	1	NO		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Internal Doors</u>				
	<u>Solid Cored flush door: mahogany lipped edges</u>				
A	Overall size 900 x 2100 mm high with mahogany veneer.	17	NO		
	<u>Panel door</u>				
	<u>50 mm thick prime grade wrot mahogany panelled door comprising of 150 x 50 mm stiles and top rail, 200 X 50 mm mid and bottom rail and with solid panels.</u>				
B	Overall size 900 x 2100 mm high with mahogany veneer.	1	NO		
C	Ditto but double door size 1200 x 2100 mm high	3	NO		
	<u>25mm thick louvered doors in beech laminate MDF, lipped all around in hardwood.</u>				
D	Door size 800 x 2100mm high (duct doors)	10	NO		
	<u>Prime grade wrot mahogany</u>				
E	200 x 50 mm Door frame: rebated: plugged	21	LM		
F	150 x 50 mm Door frame: rebated: plugged	87	LM		
F	100 x 50 mm Door frame: rebated: plugged	51	LM		
G	40 x 20 mm Architrave: splayed	159	LM		
H	15 mm Quadrant	159	LM		
	<u>Ironmongery as per the "UNION CATALOGUE" or other equal and approved.</u>				
H	100mm Brass butt hinges	36	PRS		
J	Three lever mortise door lock with furniture set	1	NO		
J	Three lever rebated mortise door lock with furniture set	3	NO		
J	Two lever mortise door lock with furniture set	7	NO		
K	Cylindrical lock	10	NO		
L	Indicator bolt	10	NO		
M	Rubber door stop plugged and screwed to floor or wall	24	NO		
N	Heavy duty hydraulic Door closer	7	NO		
P	200mm wide aluminium sheet kicker plate	17	NO		
Q	Stainless steel push plate and handle	7	NO		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Painting</u>				
A	Prepare and apply three coats of clear varnish to timber surfaces	117	SM		
B	Ditto 200 - 300mm girth	108	LM		
C	Ditto 100 - 200mm girth	51	LM		
D	Ditto but not exceeding 100mm girth	318	LM		
Total Carried To Collection					

<u>COLLECTION</u>					
Brought Forward From Page MPOLY/8					
Brought Forward From Page MPOLY/9					
Brought Forward From Page MPOLY/10					
TOTAL FOR DOORS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL CEILING FINISHES</u>				
	<u>Ceiling Finishes</u>				
	<u>Plaster; 12mm thick cement, lime Putty and sand; steel trowelled; on masonry or concrete to:-</u>				
A	Soffits of suspended slab	647	SM		
	<u>Prepare surfaces; apply three coats "Crown Solo" vinyl emulsion paint or other equal and approved; on steel trowelled plaster:-</u>				
B	Soffits of suspended slab	647	SM		
TOTAL FOR CEILING FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL WALL FINISHES</u>				
	<u>Wall Finishes</u>				
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
A	12mm thick to walls and natural stone surfaces internally	940	SM		
B	Ditto to door reveals (100 -200mm)	185	LM		
C	Ditto to window jambs ditto	701	LM		
D	Ditto to hatch jambs ditto	-	LM		
	<u>Cement and sand (1:4) screed</u>				
E	12mm Thick backing finished with a wood float to receive wall tiles(m.s); internally	160	SM		
	<u>Approved coloured glazed wall tiles</u>				
F	250 x 300 x 6mm Thick on backing (m.s) to walls	160	SM		
G	Ditto; extra for rounded edge	89	LM		
	<u>Prepare and apply 3 coats emulsion paint to:-</u>				
H	Plastered surfaces internally	940	SM		
J	Ditto to door reveals (100 -200mm)	185	LM		
K	Ditto to window jambs ditto	701	LM		
L	Ditto to hatch jambs ditto	-	LM		
TOTAL FOR INTERNAL WALL FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>FLOOR FINISHES</u>				
	<u>Floor Finishes</u>				
	<u>In situ cement and sand (1:4) screed</u>				
A	32mm Thick finished with a wood float to receive ceramic tiles(m.s.)	654	SM		
	<u>Approved coloured non-slip floor tiles</u>				
B	8mm Thick in floors	654	SM		
C	8 x 150mm High skirting tile	590	LM		
TOTAL FOR FLOOR FINISHES - CARRIED TO SUMMARY					
	<u>EXTERNAL FINISHES</u>				
	<u>External Render</u>				
A	Cement sand render as described to external concrete surfaces (Columns and Beams)	138	SM		
	<u>Painting and Decoration</u>				
	<u>Prepare and apply three coats of silk vinyl paint to :-</u>				
B	Rendered concrete surfaces externally	138	SM		
TOTAL FOR EXTERNAL FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>STAIRCASES FINISHES</u>				
	<u>Stairs Finishes</u>				
	<u>Screed; Cement and sand (1:4) screed backing; wood floated; to receive ceramic tiles (m.s)</u>				
A	32mm Thick; to 300mm wide treads	79	LM		
B	32mm Thick; to 150mm high risers	79	LM		
C	32mm Thick; to landings	13	SM		
	<u>Approved coloured non-slip floor tiles</u>				
C	32mm Thick; to 300mm wide treads	79	LM		
D	32mm Thick; to 150mm high risers	79	LM		
E	32mm Thick; to landings	13	SM		
	<u>Plaster; 9mm thick first coat of cement, lime Putty and sand (1:2:9); 4mm thick second coat of lime Putty and sand (1:1:6); steel trowelled; to:-</u>				
F	Sloping soffits of staircases and strings	42	SM		
G	Soffits of landings	13	SM		
	<u>Prepare surfaces; apply three coats approved plastic emulsion paint or other equal and approved to:-</u>				
H	Sloping soffits of staircases and strings	42	SM		
J	Soffits of landings	13	SM		
TOTAL FOR STAIRCASES FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	<p><u>THE FOLLOWING IN BALUSTRADING TO STAIRS AND LANDINGS</u></p> <p><u>1000mm High Balustrades to stairs and landing; structural steel (as insteel Ltd. or other equal and approved) hot rolled steel sections (SHS) with welded and bolted joints m/s; paintwork (included)</u></p> <p>1000mm High mild steel balustrade consisting of 50 x 50 x 3mm Rectangular hollow section handrail, bottom rail and main balusters at 1000mm centres built into mortice in concrete; 25 x 25 x 2mm intermediate balusters at 125mm centres; all welded together and workshop primed and painted with three coats gloss paint (m.s) @ landing</p>	52	SM		
TOTAL FOR BALUSTRADING TO STAIRS AND LANDINGS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SUMMARY - WORK TO GROUND FLOOR</u>				
2	R.C. SUPERSTRUCTURE (FRAME)				
3	WALLING				
4	WINDOWS				
5	DOORS				
6	CEILING FINISHES				
7	INTERNAL WALL FINISHES				
8	FLOOR FINISHES				
9	EXTERNAL FINISHES				
10	STAIRCASE FINISHES				
12	BALUSTRADING TO STAIRS AND LANDINGS				
TOTAL FOR WORK TO GROUND FLOOR - CARRIED TO MAIN SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>ELECTRICAL INSTALLATION</u>				
	<u>Supply , install ,test, and commision the following: (Prices Inclusive of all Taxes)</u>				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	64	NO		
B	Ditto but for two way switching.	22	NO		
C	<u>Switches</u>				
	1. 10A One gang one way switch as Genuine MEM or equal and approved	12	NO		
	2. Ditto but for two way switching	8	NO		
	3. Two gang one way switch	5	NO		
	4. Two gang two way switch	9	NO		
	5. Three gang two way switch	4	NO		
	6. 10A Intermediate switch	3	NO		
	<u>Lighting Fittings</u>				
D	1 x 36W 1200 mm(4ft) batten LED fluorescent fitting as GENUINE Philips or equal and approved	40	NO		
E	1 x 100W ball fitting with as WINDSOR or equal and approved	21	NO		
F	1 x 16 W Oyster lighting fitting as THORN 2DCL16BR complete with 16 W 2D LAMP	14	NO		
G	1 x 600 mm(2ft), LED fluorescent fitting complete with lamp and down reflector as Thorn Manufacture	9	NO		
H	2 x 8 W fluorescent bulkhead as thorn OBV2008	8	NO		
J	Ceiling rose with code grip lampholder and bulb	2	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
	<u>Power Systems</u>				
A	Twin Socket outlet points wired with 3 x2.5 mm sq. pvc single core cables drawn in 20 mm dia. Conduit	45	NO		
B	13 A Twin outlet boxes as MK	45	NO		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	5	NO		
D	Telephone outlet box as MK	5	NO		
E	Data outlet point in concealed pvc conduit complete with outlet plate and draw wire	24	NO		
F	Data outlet box as MK	24	NO		
G	Television Aerial cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	4	NO		
H	Television outlet box as MK	4	NO		
J	3 x 16.0 mm sq. pvc single core cables drawn in 32 mm dia. From the DB'S to the Consumer Units	25	LM		
K	5 x 16.0 mm sq.pvc single core cables drawn in 38 mm dia. Conduit from the Loop - in boxes to the DBs and Isolator	15	LM		
L	6 Way TPN distribution board complete with 80 A Isolator AS Crabtree/ HAUSMANN/ SAPPHIRE	2	NO		
M	63A Isolator switch complete with fuses as Crabtree/HAUSMANN/SAPPHIRE	2	NO		
N	<u>Circuit breakers as Crabtree</u>				
	1) 10 A	12	NO		
	2) 30A	6	NO		
	3) 50 A	2	NO		
	4) 60 A TP&N	2	NO		
	5) 200 A TPN MCCB in the cable termination box	2	NO		
	6) blanking plate	4	NO		
P	100mm dia. Heavy gauge PVC Duct for incoming mains cable	20	LM		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	50mm dia. Heavy gauge PVC Duct for incoming mains cable	20	LM		
B	25mm dia. Heavy gauge PVC Duct for earthing lead from earthing manhole	15	LM		
C	Earthing to KP&LC STANDARD	1	ITEM		
D	25mm ² 4 core pvc/swa/pvc cable	50	LM		
E	Cable glands for the item above	2	NO		
F	Tiling trenching and back filling including cable markers	50	LM		
G	Prime coated/painted Cable termination box with lockable door	1	LM		
TOTAL FOR ELECTRICAL INSTALLATION WORKS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>MECHANICAL (B.S) INSTALLATION WORKS</u>				
	<u>SANITARY FITTINGS</u>				
	<u>Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Twyford's Ltd 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</u>				
	<u>Water Closet</u>				
A	Close-coupled WC suite with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless low level ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, chrome-plated flush button and heavy plastic seat and cover with metal top fixed (chrome plated) hinges. All to be as Duravit D-Code (Horizontal outlet) CAT No. 2111090000 water closet or equal and approved.	5	NO		
	<u>Water Closet (WC) Squatting</u>				
B	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 7.5 litres vitreous china Cistern complete with valve less cistern fittings including siphon, with side/bottom inlet and overflow, connecting fittings from Cistern to bowl, and reversible chrome plated Cistern lever or equal and approved	5	NO		
	<u>Pedestal WHB</u>				
C	Wash hand basin size 510 x 420mm with one tap holes and chain stay hole, pedestal, 32mm diameter chrome plated chain waste, concealed wall brackets, chrome plated non-concussive time delay press action pillar tap as Cobra model and heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Ideal Standard or equal and approved.	1	NO		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
	<u>Countertop Wash Hand Basin (WHB)</u>				
A	Countertop wash hand basin size 510 x 420mm with one tap holes and chain stay hole, 32mm diameter chrome plated pop up chain waste as cat. No. WF 4330, concealed wall brackets, chrome plated single tap hole basin mixer as Cobra Ref: 902, chrome plated non-conculsive time delay press action pillar tap as Cobra model and plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Duravit D-Code or equal and approved.	12	NO		
	<u>Urinal</u>				
B	One range low level large urinal bowl in white vitreous china comprising 1No. bowl complete with bowl/divisions support, plastic bottle trap, chrome plated flushpipe, wall mounted flushvalve and spreader ref SS 6071SS with all connections, wall hangers/supports. To be as Duravit or approved equivalent.	2	NO		
	<u>Hand Driers</u>				
C	Automatic Hand Drier in white colour, 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 1.8 kw and to be of size 270 x 64 x 143mm deep as HEATRAE SADIA "Handi Dri" or approved equivalent.	5	NO		
	<u>Toilet roll holder</u>				
D	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 Twyford's "SEMI RECESSED & ORNAMENTAL" accessories Ref. No. VC 9808 WH	14	NO		
E	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	25	NO		
	<u>Mirrors</u>				
F	6mm thick polished plate glass, silver backed mirror with beveled edges, size 610x497mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back nest.	11	NO		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	Wall mounted toilet brush holder and brush of approved colour as Ideal Standard or approved equivalent.	14	NO		
B	Ambulant Disabled toilet grab rails 600 x 35mm stainless steel grab rails (4No.) in stainless steel. All to be as "Twyfords Avalon BTW" or approved equivalent.	4	SET		
	<u>Kitchen Sink</u>				
C	Single bowl single drainer stainless steel kitchen sink of size 1000*600mm as manufactured by ASL or equal and approved. The bowl size to be 430*420*250mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, kitchen sink tap, bottle trap with 75mm deep seal and chain waste fitting.	1	NO		
TOTAL FOR SANITARY FITTINGS - CARRIED TO COLLECTION PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Internal Plumbing Works</u>				
	<u>Supply, deliver and install pipes, tubing and fittings as described and shown on the drawings. The pipes shall be PN 25 PPR pipes where exposed to adverse weather condition and all conforming to the current European standards for PPR installations and to the Engineers approval, pipe jointing shall be by polyfusion or use of electric coupling. Rates must allow for all Metal/plastic threaded adaptors where required for the connection of sanitary fixtures, valves, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic materials, expansion arms and bends, crossovers, couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system. The pipes will be pressure tested before the plastering of wall commences and as per the manufacturers recommended testing pressures.</u>				
	<u>PPR Pipes</u>				
A	25mm diameter pipework	64	LM		
B	32mm diameter pipework	32	LM		
	<u>Bends</u>				
C	25mm diameter bends	32	NO		
D	32mm diameter bends	24	NO		
	<u>Tees</u>				
E	25mm equal Tees	30	NO		
F	32mm equal Tees	18	NO		
	<u>Reducers</u>				
G	32 x 25mm diameter	24	NO		
	<u>Socket</u>				
H	25mm diameter pipe unions	48	NO		
J	32mm diameter pipe unions	20	NO		
	<u>Threaded Fittings</u>				
K	25x20mm male/female threaded 90° bend/Elbow	38	NO		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	25mm male/female threaded 90° bend/Elbow	8	NO		
B	32mm male/female threaded 90° bend/Elbow	16	NO		
	<u>Valves</u>				
C	25mm diameter approved medium pressure screw down full way non-rising stem wedge gate valve to BS 5154 PN 20 for series B rating, with wheel and head joints to steel tubing and complete with round male threaded transition fittings. The gate valve to be as PEGLER or approved equivalent.	4	NO		
D	32mm ditto	6	NO		
	<u>Pipe Sleeves</u>				
E	50mm diameter heavy duty PVC pipe sleeves for crossing over columns and beams.	12	NO		
TOTAL FOR PLUMBING - CARRIED TO COLLECTION PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL FOUL WATER DRAINAGE</u>				
	<u>Supply, deliver and install the following UPVC, MUPVC, soil and waste systems respectively to B.S 5255 with fittings fixed to Manufactures Printed instructions and manufactured by reputable manufacturers. Tenderers must allow in their pipework prices for all the couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.</u>				
	<u>MuPVC and uPVC Waste and Soil pipework</u>				
A	150mm diameter heavy gauge golden brown UPVC pipe	60	LM		
B	100mm diameter ditto	54	LM		
C	50mm diameter waste pipe	24	LM		
D	40mm diameter waste pipe	48	LM		
E	32mm diameter waste pipe	12	LM		
	<u>Bends</u>				
F	100mm diameter sweep bend	16	NO		
G	50mm diameter sweep bend	6	NO		
H	40mm diameter sweep bend	16	NO		
J	32mm diameter sweep bend	8	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
	<u>Tees</u>				
A	100mm diameter sweep tee	10	NO		
B	50mm diameter sweep tee	10	NO		
C	40mm	14	NO		
	<u>Access Caps</u>				
D	100mm diameter access cap	8	NO		
E	50mm diameter access cap	8	NO		
F	40mm diameter access cap	8	NO		
G	32mm diameter access cap	6	NO		
	<u>Reducing Sockets</u>				
H	40 x 32 reducing socket	8	NO		
	<u>WC Connectors</u>				
J	100mm diameter WC connector	14	NO		
	<u>Traps</u>				
K	100 x 50mm diameter floor trap and grating	8	NO		
L	Standard 300 x 300 x 450mm masonry gully trap complete with 125mm thick reinforced concrete cover.	3	NO		
	<u>MANHOLE/COVERS</u>				
M	Construct inspection chamber size 600 x 450mm and averaging 750mm deep constructed in 100mm thick concrete base (1:3:6), approved 150mm block sides rendered all around in cement and sand (1:4). It shall have an approved medium duty cover and frame. Include all necessary excavations, disposal and form work.	12	NO		
N	Removal and returning of cabro and making good	1	ITEM		
TOTAL FOR FOUL DRAINAGE - CARRIED TO COLLECTION PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>COLLECTION PAGE FOR GROUND FLOOR</u>				
1	TOTAL FOR SANITARY FITTINGS				
2	TOTAL FOR INTERNAL PLUMBING				
3	TOTAL FOR INTERNAL FOUL DRAINAGE				
TOTAL FOR MECHANICAL (B.S) INSTALLATION TO GROUND FLOOR - CARRIED TO MAIN SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	<p><u>PROJECT MANAGEMENT EXPENSES</u></p> <p>Allow Kenya Shillings Three Hundred Thousand Only for Project Management.</p>		ITEM		300,000.00
TOTAL FOR PROJECT MANAGEMENT EXPENSES					
1	<p><u>SUMMARY</u></p> <p>BUILDERS WORKS</p>				
2	ELECTRICAL INSTALLATION				
3	MECHANICAL (B.S) INSTALLATION				
4	PROJECT MANAGEMENT EXPENSES				300,000.00
TOTAL FOR WORK TO GROUND FLOOR - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	REINFORCED CONCRETE FRAME				
	<u>Vibrated reinforced insitu concrete Class 20/20 (1:2:4/20 - 20mm aggregate) as described in:-</u>				
A	Columns	17	CM		
B	Slab beams, beams and/or lintols	29	CM		
C	Stairs and waist	9	CM		
D	150mm Thick 2nd suspended slab	795	SM		
E	150mm Thick 2nd landings	13	SM		
	<u>R-Bar Reinforcement</u>				
	<u>MT Reinforcement bars to BS 4461 as described including tying/binding wires</u>				
F	T-20	5,453	KG		
G	T-16	502	KG		
H	T-12	9,108	KG		
J	T-10	5,222	KG		
K	T-8	1,725	KG		
	<u>Sawn formwork as described to:</u>				
L	Columns; vertical sides	165	SM		
M	Sides and soffits; beams and/or lintols	359	SM		
N	Sloping soffits of staircase	27	SM		
P	Soffits of suspended slab	795	SM		
Q	Soffits of landing	13	SM		
R	Risers and edges of stairs; 75 -150mm high	79	LM		
S	Edges of landing; 75 -150mm high	27	LM		
T	Edges of suspended slab; 75 -150mm high	129	LM		
U	Sloping open strings of staircase; cut to profile of steps	44	LM		
T	Edges of suspended slab; 75 -150mm high	129	LM		
U	Sloping open strings of staircase; cut to profile of steps	25	LM		
	TOTAL FOR REINFORCED CONCRETE FRAME				
	- CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>WALLING</u>				
	<u>External Walling</u>				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
A	200mm Thick walls	214	SM		
B	Extra over walling for key pointing externally; patterns to Architect's approval	214	SM		
	<u>Internal walling</u>				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
C	200mm Thick walls	261	SM		
D	150mm Thick walls	34	SM		
TOTAL FOR WALLING					
-CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	WINDOWS				
	Mild Steel Curtain Rod				
A	35mm Diameter CHS in pair, including pre-priming and painted to approval, one end in decorative wrought steel moulded finish; to casement windows (m/s) including approved runners and screwed end brackets	71	LM		
	Aluminium Windows				
	<u>Purpose made powder coated aluminium windows, complete with 6mm clear/obscure glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
B	Size 5000 x 900mm high; but with obscure glazing (W1)	3	NO		
C	Size 2250 x 1800mm high (W2)	20	NO		
D	Size 950 x 2100mm high (W3)	-	NO		
E	Size 900 x 1600mm high (W4)	3	NO		
	Curtain walling				
	<u>Purpose made powder coated aluminium windows, complete with 8mm laminated tinted glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
F	Size 1600 x 3300mm high	8	NO		
TOTAL FOR WINDOWS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<p><u>DOORS</u></p> <p><u>Internal doors</u></p> <p><u>Aluminium Doors</u></p> <p><u>The following in powder coated aluminium framed side hung doors in approved heavy duty (minimum 2mm thick) sections supplied complete with 6mm clear laminated glass in rubber glazing including glazing 6mm thick strips and powder coated aluminium beading including all necessary ironmongery such as hinges, propriety aluminium door handles and 3-lever approved door locks all to the approval of the Architect as per door & window schedule</u></p>				
D	Door size 900 x 2400mm high including 6mm thick clear laminated glass	4	NO		
E	Ditto but double door size 1200x2400mm high	1	NO		
Total Carried To Collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Internal Doors</u>				
	<u>Solid Cored flush door: mahogany lipped edges</u>				
A	Overall size 900 x 2100 mm high with mahogany veneer.	17	NO		
	<u>Panel door</u>				
	<u>50 mm thick prime grade wrot mahogany panelled door comprising of 150 x 50 mm stiles and top rail, 200 X 50 mm mid and bottom rail and with solid panels.</u>				
B	Overall size 900 x 2100 mm high with mahogany veneer.	1	NO		
C	Ditto but double door size 1200 x 2100 mm high	3	NO		
	<u>25mm thick louvered doors in beech laminate MDF, lipped all around in hardwood.</u>				
D	Door size 800 x 2100mm high (duct doors)	10	NO		
	<u>Prime grade wrot mahogany</u>				
E	200 x 50 mm Door frame: rebated: plugged	21	LM		
F	150 x 50 mm Door frame: rebated: plugged	87	LM		
F	100 x 50 mm Door frame: rebated: plugged	51	LM		
G	40 x 20 mm Architrave: splayed	159	LM		
H	15 mm Quadrant	159	LM		
	<u>Ironmongery as per the "UNION CATALOGUE" or other equal and approved.</u>				
H	100mm Brass butt hinges	36	PRS		
J	Three lever mortise door lock with furniture set	1	NO		
J	Three lever rebated mortise door lock with furniture set	3	NO		
J	Two lever mortise door lock with furniture set	7	NO		
K	Cylindrical lock	10	NO		
L	Indicator bolt	10	NO		
M	Rubber door stop plugged and screwed to floor or wall	24	NO		
N	Heavy duty hydraulic Door closer	7	NO		
P	200mm wide aluminium sheet kicker plate	17	NO		
Q	Stainless steel push plate and handle	7	NO		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Painting</u>				
A	Prepare and apply three coats of clear varnish to timber surfaces	117	SM		
B	Ditto 200 - 300mm girth	108	LM		
C	Ditto 100 - 200mm girth	51	LM		
D	Ditto but not exceeding 100mm girth	318	LM		
Total Carried To Collection					

<u>COLLECTION</u>				
Brought Forward From Page MPOLY/32				
Brought Forward From Page MPOLY/33				
Brought Forward From Page MPOLY/34				
TOTAL FOR DOORS - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL CEILING FINISHES</u>				
	<u>Ceiling Finishes</u>				
	<u>Plaster; 12mm thick cement, lime Putty and sand; steel trowelled; on masonry or concrete to:-</u>				
A	Soffits of suspended slab	647	SM		
	<u>Prepare surfaces; apply three coats "Crown Solo" vinyl emulsion paint or other equal and approved; on steel trowelled plaster:-</u>				
B	Soffits of suspended slab	647	SM		
TOTAL FOR CEILING FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL WALL FINISHES</u>				
	<u>Wall Finishes</u>				
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
A	12mm thick to walls and natural stone surfaces internally	940	SM		
B	Ditto to door reveals (100 -200mm)	185	LM		
C	Ditto to window jambs ditto	701	LM		
D	Ditto to hatch jambs ditto	-	LM		
	<u>Cement and sand (1:4) screed</u>				
E	12mm Thick backing finished with a wood float to receive wall tiles(m.s); internally	160	SM		
	<u>Approved coloured glazed wall tiles</u>				
F	250 x 300 x 6mm Thick on backing (m.s) to walls	160	SM		
G	Ditto; extra for rounded edge	89	LM		
	<u>Prepare and apply 3 coats emulsion paint to:-</u>				
H	Plastered surfaces internally	940	SM		
J	Ditto to door reveals (100 -200mm)	185	LM		
K	Ditto to window jambs ditto	701	LM		
L	Ditto to hatch jambs ditto	-	LM		
TOTAL FOR INTERNAL WALL FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>FLOOR FINISHES</u>				
	<u>Floor Finishes</u>				
	<u>In situ cement and sand (1:4) screed</u>				
A	32mm Thick finished with a wood float to receive ceramic tiles(m.s.)	654	SM		
	<u>Approved coloured non-slip floor tiles</u>				
B	8mm Thick in floors	654	SM		
C	8 x 150mm High skirting tile	590	LM		
TOTAL FOR FLOOR FINISHES - CARRIED TO SUMMARY					
	<u>EXTERNAL FINISHES</u>				
	<u>External Render</u>				
A	Cement sand render as described to external concrete surfaces (Columns and Beams)	138	SM		
	<u>Painting and Decoration</u>				
	<u>Prepare and apply three coats of silk vinyl paint to :-</u>				
B	Rendered concrete surfaces externally	138	SM		
TOTAL FOR EXTERNAL FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>STAIRCASES FINISHES</u>				
	<u>Stairs Finishes</u>				
	<u>Screed; Cement and sand (1:4) screed backing; wood floated; to receive ceramic tiles (m.s)</u>				
A	32mm Thick; to 300mm wide treads	79	LM		
B	32mm Thick; to 150mm high risers	79	LM		
C	32mm Thick; to landings	13	SM		
	<u>Approved coloured non-slip floor tiles</u>				
C	32mm Thick; to 300mm wide treads	79	LM		
D	32mm Thick; to 150mm high risers	79	LM		
E	32mm Thick; to landings	13	SM		
	<u>Plaster; 9mm thick first coat of cement, lime Putty and sand (1:2:9); 4mm thick second coat of lime Putty and sand (1:1:6); steel trowelled; to:-</u>				
F	Sloping soffits of staircases and strings	42	SM		
G	Soffits of landings	13	SM		
	<u>Prepare surfaces; apply three coats approved plastic emulsion paint or other equal and approved to:-</u>				
H	Sloping soffits of staircases and strings	42	SM		
J	Soffits of landings	13	SM		
TOTAL FOR STAIRCASES FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<p><u>THE FOLLOWING IN BALUSTRADING TO STAIRS AND LANDINGS</u></p> <p><u>1000mm High Balustrades to stairs and landing; structural steel (as insteel Ltd. or other equal and approved) hot rolled steel sections (SHS) with welded and bolted joints m/s; paintwork (included)</u></p> <p>A 1000mm High mild steel balustrade consisting of 50 x 50 x 3mm Rectangular hollow section handrail, bottom rail and main balusters at 1000mm centres built into mortice in concrete; 25 x 25 x 2mm intermediate balusters at 125mm centres; all welded together and workshop primed and painted with three coats gloss paint (m.s) @ landing</p>	52	SM		
	TOTAL FOR BALUSTRADING TO STAIRS AND LANDINGS - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>THE FOLLOWING IN BALUSTRADING TO BALCONIES</u>				
	<u>The Following in Balustrading to Balconies</u>				
	<u>900mm High Balustrades to stairs structural steel (as insteel Ltd. or other equal and approved) hot rolled steel square hollow sections (SHS) with welded and bolted joints m/s</u>				
A	60mm Ø x 3mm (4.44kg/m) thick CHS hand rails welded to top of vertical infills	50	LM		
B	60mm Ø x 3mm (4.44kg/m) thick CHS balusters; bottom end grouted in slab; top end welded to and including head plate and fixed to the underside of beam or slab	73	LM		
C	25 x 25 x 3mm thick (2.07Kg/m) SHS vertical infills; welded to the handrails on the stem ends and spaced at 200 mm c/c; with and including 200mm diameter x 8mm thick rings welded on; at the top and bottom of the infill	45	SM		
D	25 x 25 x 3mm thick ditto SHS lower rail running parallel to the hand rail, welded to the vertical infills and embedded into the treads or to the edges of the stairs/waists for stronger reinforcement and structural stability.	50	LM		
	TOTAL FOR BALUSTRADING TO BALCONIES - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	<p><u>THE FOLLOWING IN METAL WORK TO FRONTAGE</u></p> <p><u>The Following in Balustrading to Balconies</u></p> <p><u>Structural steel (as insteel Ltd. or other equal and approved) hot rolled steel square hollow sections (SHS) with welded and bolted joints m/s</u></p> <p>75mm Ø x 3mm (5.55kg/m) thick CHS stanchion; bottom end fish tailed and grouted into concrete slab; top end welded to and including 125 x 125 x 2mm head plate; fixed under 1st suspended floor slab (In No. 13); red oxide primed and spray painted</p>	38	LM		
	TOTAL FOR METAL WORK TO FRONTAGE - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SUMMARY - WORK TO FIRST FLOOR</u>				
2.	R.C. SUPERSTRUCTURE (FRAME)				
3.	WALLING				
4.	WINDOWS				
6.	EXTERNAL/INTERNAL METAL DOORS				
8.	CEILING FINISHES				
9.	INTERNAL WALL FINISHES				
10.	FLOOR FINISHES				
11.	EXTERNAL FINISHES				
12.	STAIRCASE FINISHES				
13.	BALUSTRADING TO STAIRS AND LANDINGS				
14.	BALUSTRADING TO BALCONIES				
15.	METAL WORK TO FRONTAGE				
TOTAL FOR WORK TO FIRST FLOOR - CARRIED TO MAIN SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>ELECTRICAL INSTALLATION</u>				
	<u>Supply , install ,test, and commision the following: (Prices Inclusive of all Taxes)</u>				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	62	NO		
B	Ditto but for two way switching.	23	NO		
C	<u>Switches</u>				
	1. 10A One gang one way switch as Genuine MEM or equal and approved	10	NO		
	2. Ditto but for two way switching	8	NO		
	3. Two gang one way switch	5	NO		
	4. Two gang two way switch	9	NO		
	5. Three gang two way switch	4	NO		
	6. 10A Intermediate switch	3	NO		
	<u>Lighting Fittings</u>				
D	1 x 10W 1200 mm(4ft) batten LED fluoresent fitting as GENUINE Philips or equal and approved	45	NO		
E	1 x 100W ball fitting with as WINDSOR or equal and approved	18	NO		
F	1 x 16 W Oyster lighting fitting as THORN 2DCL16BR complete with 16 W 2D LAMP	10	NO		
G	1 x 600 mm(2ft), LED fluoresent fitting complete with lamp and down reflector as Thorn Manufacture	9	NO		
H	Ceiling rose with code grip lampholder and bulb	2	NO		
	<u>Power Systems</u>				
J	Twin Socket outlet points wired with 3 x2.5 mm sq. pvc single core cables drawn in 20 mm dia. Conduit	44	NO		
K	13 A Twin outlet boxes as MK	44	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	Data cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	24	NO		
B	Data outlet box as MK	24	NO		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	5	NO		
D	Telephone outlet box as MK	5	NO		
E	Television Aerial cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	4	NO		
F	Television outlet box as MK	4	NO		
G	3 x 16.0 mm sq. pvc single core cables drawn in 32 mm dia. From the DB'S to the Consumer Units	30	LM		
H	5 x 16.0 mm sq.pvc single core cables drawn in 38 mm dia. Conduit from the Loop - in boxes to the DBs and Isolator	10	LM		
J	6 Way TPN distribution board complete with 80 A Isolator AS Crabtree/ HAUSMANN/ SAPPHIRE	2	NO		
K	<u>Circuit breakers as Crabtree</u>				
	1) 10A SP	12	NO		
	2) 30A SP	6	NO		
	3) 60A SP	2	NO		
	4) blanking plate	4	NO		
L	50mm dia. Heavy gauge PVC Duct for rising mains cable	10	LM		
TOTAL FOR ELECTRICAL INSTALLATION WORKS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>MECHANICAL (B.S) INSTALLATION WORKS</u>				
	<u>SANITARY FITTINGS</u>				
	<u>Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Twyfords Ltd 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</u>				
	<u>Water Closet</u>				
A	Close-coupled WC suite with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless low level ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, chrome-plated flush button and heavy plastic seat and cover with metal top fixed (chrome plated) hinges. All to be as Duravit D-Code (Horizontal outlet) CAT No. 2111090000 water closet or equal and approved.	5	NO		
	<u>Water Closet (WC) Squatting</u>				
B	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 7.5 litres vitreous china Cistern complete with valve less cistern fittings including siphon, with side/bottom inlet and overflow, connecting fitments from Cistern to bowl, and reversible chrome plated Cistern lever or equal and approved	5	NO		
	<u>Pedestal WHB</u>				
C	Wash hand basin size 510 x 420mm with one tap holes and chain stay hole, pedestal, 32mm diameter chrome plated chain waste, concealed wall brackets, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Ideal Standard or equal and approved.	1	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
	<u>Countertop Wash Hand Basin (WHB)</u>				
A	Countertop wash hand basin size 510 x 420mm with one tap holes and chain stay hole, 32mm diameter chrome plated pop up chain waste as cat. No. WF 4330, concealed wall brackets, chrome plated single tap hole basin mixer as Cobra Ref: 902, chrome plated non-conculsive time delay press action pillar tap as Cobra model and plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Duravit D-Code or equal and approved.	12	NO		
	<u>Urinal</u>				
B	One range low level large urinal bowl in white vitreous china comprising 1No. bowl complete with bowl/divisions support, plastic bottle trap, chrome plated flushpipe, wall mounted flushvalve and spreader ref SS 6071SS with all connections, wall hangers/supports. To be as Duravit or approved equivalent.	2	NO		
	<u>Hand Driers</u>				
C	Automatic Hand Drier in white colour, 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 1.8 kw and to be of size 270 x 64 x 143mm deep as HEATRAE SADIA "Handi Dri" or approved equivalent.	5	NO		
	<u>Toilet roll holder</u>				
D	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 Twyfords "SEMI RECESSED & ORNAMENTAL" accessories Ref. No. VC 9808 WH	14	NO		
E	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	25	NO		
	<u>Mirrors</u>				
F	6mm thick polished plate glass, silver backed mirror with beveled edges, size 610x497mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back nest.	11	NO		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	Wall mounted toilet brush holder and brush of approved colour as Ideal Standard or approved equivalent.	14	NO		
B	Ambulant Disabled toilet grab rails 600 x 35mm stainless steel grab rails (4No.) in stainless steel. All to be as "Twyfords Avalon BTW" or approved equivalent.	4	SET		
	<u>Kitchen Sink</u>				
C	Single bowl single drainer stainless steel kitchen sink of size 1000*600mm as manufactured by ASL or equal and approved. The bowl size to be 430*420*250mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, kitchen sink tap, bottle trap with 75mm deep seal and chain waste fitting.	1	NO		
TOTAL FOR SANITARY FITTINGS - CARRIED TO COLLECTION PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Internal Plumbing Works</u>				
	<u>Supply, deliver and install pipes, tubing and fittings as described and shown on the drawings. The pipes shall be PN 25 PPR pipes where exposed to adverse weather condition and all conforming to the current European standards for PPR installations and to the Engineers approval, pipe jointing shall be by polyfusion or use of electric coupling. Rates must allow for all Metal/plastic threaded adaptors where required for the connection of sanitary fixtures, valves, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic materials, expansion arms and bends, crossovers, couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system. The pipes will be pressure tested before the plastering of wall commences and as per the manufacturers recommended testing pressures.</u>				
	<u>PPR Pipes</u>				
A	25mm diameter pipework	64	LM		
B	32mm diameter pipework	32	LM		
	<u>Bends</u>				
C	25mm diameter bends	32	NO		
D	32mm diameter bends	24	NO		
	<u>Tees</u>				
E	25mm equal Tees	30	NO		
F	32mm equal Tees	18	NO		
	<u>Reducers</u>				
G	32 x 25mm diameter	24	NO		
	<u>Socket</u>				
H	25mm diameter pipe unions	48	NO		
J	32mm diameter pipe unions	20	NO		
	<u>Threaded Fittings</u>				
K	25x20mm male/female threaded 90° bend/Elbow	38	NO		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	25mm male/female threaded 90° bend/Elbow	8	NO		
B	32mm male/female threaded 90° bend/Elbow	16	NO		
	Valves				
C	25mm diameter approved medium pressure screw down full way non-rising stem wedge gate valve to BS 5154 PN 20 for series B rating, with wheel and head joints to steel tubing and complete with round male threaded transition fittings. The gate valve to be as PEGLER or approved equivalent.	4	NO		
D	32mm ditto	6	NO		
	Pipe Sleeves				
E	50mm diameter heavy duty PVC pipe sleeves for crossing over columns and beams.	12	NO		
TOTAL FOR PLUMBING - CARRIED TO COLLECTION PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL FOUL WATER DRAINAGE</u>				
	<u>Supply, deliver and install the following UPVC, MUPVC, soil and waste systems respectively to B.S 5255 with fittings fixed to Manufactures Printed instructions and manufactured by reputable manufacturers. Tenderers must allow in their pipework prices for all the couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.</u>				
	<u>MuPVC and uPVC Waste and Soil pipework</u>				
A	100mm diameter ditto	54	LM		
B	50mm diameter waste pipe	24	LM		
C	40mm diameter waste pipe	48	LM		
D	32mm diameter waste pipe	12	LM		
	<u>Bends</u>				
E	100mm diameter sweep bend	16	NO		
F	50mm diameter sweep bend	6	NO		
G	40mm diameter sweep bend	16	NO		
H	32mm diameter sweep bend	8	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
	<u>Tees</u>				
A	100mm diameter sweep tee	10	NO		
B	50mm diameter sweep tee	10	NO		
C	40mm	14	NO		
	<u>Access Caps</u>				
D	100mm diameter access cap	8	NO		
E	50mm diameter access cap	8	NO		
F	40mm diameter access cap	8	NO		
G	32mm diameter access cap	6	NO		
	<u>Reducing Sockets</u>				
H	40 x 32 reducing socket	8	NO		
	<u>WC Connectors</u>				
J	100mm diameter WC connector	14	NO		
	<u>Traps</u>				
K	100 x 50mm diameter floor trap and grating	8	NO		
L	Standard 300 x 300 x 450mm masonry gully trap complete with 125mm thick reinforced concrete cover.	3	NO		
	<u>MANHOLE/COVERS</u>				
M	Construct inspection chamber size 600 x 450mm and averaging 750mm deep constructed in 100mm thick concrete base (1:3:6), approved 150mm block sides rendered all around in cement and sand (1:4). It shall have an approved medium duty cover and frame. Include all necessary excavations, disposal and form work.	12	NO		
N	Removal and returning of cabro and making good	1	ITEM		
TOTAL FOR FOUL DRAINAGE - CARRIED TO COLLECTION PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>COLLECTION PAGE FOR GROUND FLOOR</u>				
1	TOTAL FOR SANITARY FITTINGS				
2	TOTAL FOR INTERNAL PLUMBING				
3	TOTAL FOR INTERNAL FOUL DRAINAGE				
TOTAL FOR MECHANICAL (B.S) INSTALLATION TO GROUND FLOOR - CARRIED TO MAIN SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	<p><u>PROJECT MANAGEMENT EXPENSES</u></p> <p>Allow Kenya Shillings Three Hundred Thousand Only for Project Management.</p>		ITEM		
TOTAL FOR PROJECT MANAGEMENT EXPENSES					
1	<p><u>SUMMARY</u></p> <p>BUILDERS WORKS</p>				
2	ELECTRICAL INSTALLATION				
3	MECHANICAL (B.S) INSTALLATION				
4	PROJECT MANAGEMENT EXPENSES				300,000.00
TOTAL FOR WORK TO FIRST FLOOR - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>Vibrated reinforced insitu concrete Class 20/20 (1:2:4/20 - 20mm aggregate) as described in:-</u>				
A	Columns	17	CM		
B	Slab beams, beams and/or lintols	29	CM		
C	Stairs and waist	9	CM		
D	150mm Thick 2nd suspended slab	795	SM		
E	150mm Thick 2nd landings	13	SM		
	<u>R-Bar Reinforcement</u>				
	<u>MT Reinforcement bars to BS 4461 as described including tying/binding wires</u>				
F	T-20	5,453	KG		
G	T-16	502	KG		
H	T-12	9,108	KG		
J	T-10	5,222	KG		
K	T-8	1,725	KG		
	<u>Sawn formwork as described to:</u>				
L	Columns; vertical sides	165	SM		
M	Sides and soffits; beams and/or lintols	359	SM		
N	Sloping soffits of staircase	27	SM		
P	Soffits of suspended slab	795	SM		
Q	Soffits of landing	13	SM		
R	Risers and edges of stairs; 75 -150mm high	79	LM		
S	Edges of landing; 75 -150mm high	27	LM		
T	Edges of suspended slab; 75 -150mm high	129	LM		
U	Sloping open strings of staircase; cut to profile of steps	44	LM		
T	Edges of suspended slab; 75 -150mm high	129	LM		
U	Sloping open strings of staircase; cut to profile of steps	25	LM		
	TOTAL FOR REINFORCED CONCRETE FRAME - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>WALLING</u>				
	<u>External Walling</u>				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
A	200mm Thick walls	214	SM		
B	Extra over walling for key pointing externally; patterns to Architect's approval	214	SM		
	<u>Internal walling</u>				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
C	200mm Thick walls	261	SM		
D	150mm Thick walls	34	SM		
TOTAL FOR WALLING					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	-CARRIED TO SUMMARY				
	WINDOWS				
	Mild Steel Curtain Rod				
A	35mm Diameter CHS in pair, including pre-priming and painted to approval, one end in decorative wrought steel moulded finish; to casement windows (m/s) including approved runners and screwed end brackets	71	LM		
	Aluminium Windows				
	<u>Purpose made powder coated aluminium windows, complete with 6mm clear/obscure glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
B	Size 5000 x 900mm high; but with obscure glazing (W1)	3	NO		
C	Size 2250 x 1800mm high (W2)	20	NO		
D	Size 950 x 2100mm high (W3)	-	NO		
E	Size 900 x 1600mm high (W4)	3	NO		
	Curtain walling				
	<u>Purpose made powder coated aluminium windows, complete with 8mm laminated tinted glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
F	Size 1600 x 3300mm high	8	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	TOTAL FOR WINDOWS - CARRIED TO SUMMARY				

	<u>DOORS</u>				
	<u>Internal doors</u>				
	<u>Aluminium Doors</u>				
	<u>The following in powder coated aluminium framed side hung doors in approved heavy duty (minimum 2mm thick) sections supplied complete with 6mm clear laminated glass in rubber glazing including glazing 6mm thick strips and powder coated aluminium beading including all necessary ironmongery such as hinges, propriety aluminium door handles and 3-lever approved door locks all to the approval of the Architect as per door & window schedule</u>				
D	Door size 900 x 2400mm high including 6mm thick clear laminated glass	4	NO		
E	Ditto but double door size 1200x2400mm high	1	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Carried To Collection				

	<u>Internal Doors</u>				
	<u>Solid Cored flush door: mahogany lipped edges</u>				
A	Overall size 900 x 2100 mm high with mahogany veneer.	17	NO		
	<u>Panel door</u>				
	<u>50 mm thick prime grade wrot mahogany panelled door comprising of 150 x 50 mm stiles and top rail, 200 X 50 mm mid and bottom rail and with solid panels.</u>				
B	Overall size 900 x 2100 mm high with mahogany veneer.	1	NO		
C	Ditto but double door size 1200 x 2100 mm high	3	NO		
	<u>25mm thick louvered doors in beech laminate MDF, lipped all around in hardwood.</u>				
D	Door size 800 x 2100mm high (duct doors)	10	NO		
	<u>Prime grade wrot mahogany</u>				
E	200 x 50 mm Door frame: rebated: plugged	21	LM		
F	150 x 50 mm Door frame: rebated: plugged	87	LM		
F	100 x 50 mm Door frame: rebated: plugged	51	LM		
G	40 x 20 mm Architrave: splayed	159	LM		
H	15 mm Quadrant	159	LM		
	<u>Ironmongery as per the "UNION CATALOGUE" or other equal and approved.</u>				
H	100mm Brass butt hinges	36	PRS		
J	Three lever mortise door lock with furniture set	1	NO		
J	Three lever rebated mortise door lock with furniture set	3	NO		
J	Two lever mortise door lock with furniture set	7	NO		
K	Cylindrical lock	10	NO		
L	Indicator bolt	10	NO		
M	Rubber door stop plugged and screwed to floor or wall	24	NO		
N	Heavy duty hydraulic Door closer	7	NO		
P	200mm wide aluminium sheet kicker plate	17	NO		
Q	Stainless steel push plate and handle	7	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
Total Carried To Collection					

<u>Painting</u>					
A	Prepare and apply three coats of clear varnish to timber surfaces	117	SM		
B	Ditto 200 - 300mm girth	108	LM		
C	Ditto 100 - 200mm girth	51	LM		
D	Ditto but not exceeding 100mm girth	318	LM		
Total Carried To Collection					

<u>COLLECTION</u>					
Brought Forward From Page MPOLY/57					
Brought Forward From Page MPOLY/58					
Brought Forward From Page MPOLY/59					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR DOORS - CARRIED TO SUMMARY					

<u>INTERNAL CEILING FINISHES</u>					
<u>Ceiling Finishes</u>					
<u>Plaster; 12mm thick cement, lime Putty and sand; steel trowelled; on masonry or concrete to:-</u>					
A	Soffits of suspended slab <u>Prepare surfaces; apply three coats "Crown Solo" vinyl emulsion paint or other equal and approved; on steel trowelled plaster:-</u>	647	SM		
B	Soffits of suspended slab	647	SM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR CEILING FINISHES - CARRIED TO SUMMARY					

	<u>INTERNAL WALL FINISHES</u>				
	<u>Wall Finishes</u>				
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
A	12mm thick to walls and natural stone surfaces internally	940	SM		
B	Ditto to door reveals (100 -200mm)	185	LM		
C	Ditto to window jambs ditto	701	LM		
D	Ditto to hatch jambs ditto	-	LM		
	<u>Cement and sand (1:4) screed</u>				
E	12mm Thick backing finished with a wood float to receive wall tiles(m.s); internally	160	SM		
	<u>Approved coloured glazed wall tiles</u>				
F	250 x 300 x 6mm Thick on backing (m.s) to walls	160	SM		
G	Ditto; extra for rounded edge	89	LM		
	<u>Prepare and apply 3 coats emulsion paint to:-</u>				
H	Plastered surfaces internally	940	SM		
J	Ditto to door reveals (100 -200mm)	185	LM		
K	Ditto to window jambs ditto	701	LM		
L	Ditto to hatch jambs ditto	-	LM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR INTERNAL WALL FINISHES - CARRIED TO SUMMARY					

	<u>FLOOR FINISHES</u>				
	<u>Floor Finishes</u>				
	<u>In situ cement and sand (1:4) screed</u>				
A	32mm Thick finished with a wood float to receive ceramic tiles(m.s.)	654	SM		
	<u>Approved coloured non-slip floor tiles</u>				
B	8mm Thick in floors	654	SM		
C	8 x 150mm High skirting tile	590	LM		

TOTAL FOR FLOOR FINISHES - CARRIED TO SUMMARY					
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	<u>EXTERNAL FINISHES</u>				
	<u>External Render</u>				
A	Cement sand render as described to external concrete surfaces (Columns and Beams)	138	SM		
	<u>Painting and Decoration</u>				
	<u>Prepare and apply three coats of silk vinyl paint to :-</u>				
B	Rendered concrete surfaces externally	138	SM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR EXTERNAL FINISHES - CARRIED TO SUMMARY					

<u>STAIRCASES FINISHES</u>					
<u>Stairs Finishes</u>					
<u>Screed; Cement and sand (1:4) screed backing; wood floated; to receive ceramic tiles (m.s)</u>					
A	32mm Thick; to 300mm wide treads	79	LM		
B	32mm Thick; to 150mm high risers	79	LM		
C	32mm Thick; to landings	13	SM		
<u>Approved coloured non-slip floor tiles</u>					
C	32mm Thick; to 300mm wide treads	79	LM		
D	32mm Thick; to 150mm high risers	79	LM		
E	32mm Thick; to landings	13	SM		
<u>Plaster; 9mm thick first coat of cement, lime Putty and sand (1:2:9); 4mm thick second coat of lime Putty and sand (1:1:6); steel trowelled; to:-</u>					
F	Sloping soffits of staircases and strings	42	SM		
G	Soffits of landings	13	SM		
<u>Prepare surfaces; apply three coats approved plastic emulsion paint or other equal and approved to:-</u>					
H	Sloping soffits of staircases and strings	42	SM		
J	Soffits of landings	13	SM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR STAIRCASES FINISHES - CARRIED TO SUMMARY					

A	<p><u>THE FOLLOWING IN BALUSTRADING TO STAIRS AND LANDINGS</u></p> <p><u>1000mm High Balustrades to stairs and landing; structural steel (as insteel Ltd. or other equal and approved) hot rolled steel sections (SHS) with welded and bolted joints m/s; paintwork (included)</u></p> <p>1000mm High mild steel balustrade consisting of 50 x 50 x 3mm Rectangular hollow section handrail, bottom rail and main balusters at 1000mm centres built into mortice in concrete; 25 x 25 x 2mm intermediate balusters at 125mm centres; all welded together and workshop primed and painted with three coats gloss paint (m.s) @ landing</p>	52	SM		
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR BALUSTRADING TO STAIRS AND LANDINGS - CARRIED TO SUMMARY					

	<p><u>THE FOLLOWING IN BALUSTRADING TO BALCONIES</u></p> <p><u>The Following in Balustrading to Balconies</u></p> <p><u>900mm High Balustrades to stairs structural steel (as insteel Ltd. or other equal and approved) hot rolled steel square hollow sections (SHS) with welded and bolted joints m/s</u></p>				
A	60mm Ø x 3mm (4.44kg/m) thick CHS hand rails welded to top of vertical infills	50	LM		
B	60mm Ø x 3mm (4.44kg/m) thick CHS balusters; bottom end grouted in slab; top end welded to and including head plate and fixed to the underside of beam or slab	73	LM		
C	25 x 25 x 3mm thick (2.07Kg/m) SHS vertical infills; welded to the handrails on the stem ends and spaced at 200 mm c/c; with and including 200mm diameter x 8mm thick rings welded on; at the top and bottom of the infill	45	SM		
D	25 x 25 x 3mm thick ditto SHS lower rail running parallel to the hand rail, welded to the vertical infills and embedded into the treads or to the edges of the stairs/waists for stronger reinforcement and structural stability.	50	LM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	TOTAL FOR BALUSTRADING TO BALCONIES - CARRIED TO SUMMARY				

	<p><u>THE FOLLOWING IN METAL WORK TO FRONTAGE</u></p> <p><u>The Following in Balustrading to Balconies</u></p> <p><u>Structural steel (as insteel Ltd. or other equal and approved) hot rolled steel square hollow sections (SHS) with welded and bolted joints m/s</u></p> <p>A 75mm Ø x 3mm (5.55kg/m) thick CHS stanchion; bottom end fish tailed and grouted into concrete slab; top end welded to and including 125 x 125 x 2mm head plate; fixed under 1st suspended floor slab (In No. 13); red oxide primed and spray painted</p>	38	LM		
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR METAL WORK TO FRONTAGE - CARRIED TO SUMMARY					

<u>SUMMARY - WORK TO FIRST FLOOR</u>					
2.	R.C. SUPERSTRUCTURE (FRAME)				
3.	WALLING				
4.	WINDOWS				
7.	DOORS				
8.	CEILING FINISHES				
9.	INTERNAL WALL FINISHES				
10.	FLOOR FINISHES				
11.	EXTERNAL FINISHES				
12.	STAIRCASE FINISHES				
13.	BALUSTRADING TO STAIRS AND LANDINGS				
14.	BALUSTRADING TO BALCONIES				
15.	METAL WORK TO FRONTAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	TOTAL FOR WORK TO FIRST FLOOR - CARRIED TO MAIN SUMMARY				

	<u>ELECTRICAL INSTALLATION</u>				
	<u>Supply , install ,test, and commision the following:</u> <u>(Prices Inclusive of all Taxes)</u>				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	65	NO		
B	Ditto but for two way switching.	23	NO		
C	<u>Switches</u>				
	1. 10A One gang one way switch as Genuine MEM or equal and approved	8	NO		
	2. Ditto but for two way switching	12	NO		
	3. Two gang one way switch	3	NO		
	5. Three gang two way switch	5	NO		
	6. 10A Intermediate switch	3	NO		
	<u>Lighting Fittings</u>				
D	1 x 10W 1200 mm(4ft) batten LED fluorescent fitting as GENUINE Philips or equal and approved	47	NO		
E	1 x 100W ball fitting with as WINDSOR or equal and approved	12	NO		
F	1 x 16 W Oyster lighting fitting as THORN 2DCL16BR complete with 16 W 2D LAMP	10	NO		
G	1 x 600 mm(2ft), LED fluorescent fitting complete with lamp and down reflector as Thorn Manufacture	9	NO		
H	Ceiling rose with code grip lampholder and bulb	2	NO		
	<u>Power Systems</u>				
J	Twin Socket outlet points wired with 3 x2.5 mm sq. pvc single core cables drawn in 20 mm dia. Conduit	46	NO		
K	13 A Twin outlet boxes as MK	46	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
Total Carried to Next Page					

	Total Brought Forward				
A	Data cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	25	NO		
B	Data outlet box as MK	25	NO		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	7	NO		
D	Telephone outlet box as MK	7	NO		
E	Television Aerial cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	4	NO		
F	Television outlet box as MK	4	NO		
G	3 x 16.0 mm sq. pvc single core cables drawn in 32 mm dia. From the DB'S to the Consumer Units	30	LM		
H	5 x 16.0 mm sq.pvc single core cables drawn in 38 mm dia. Conduit from the Loop - in boxes to the DBs and Isolator	20	LM		
J	6 Way TPN distribution board complete with 80 A Isolator AS Crabtree/ HAUSMANN/ SAPPHIRE	2	NO		
K	<u>Circuit breakers as Crabtree</u>				
	1) 10A SP	12	NO		
	2) 30A SP	6	NO		
	3) 60A SP	2	NO		
	4) blanking plate	4	NO		
L	50mm dia. Heavy gauge PVC Duct for rising mains cable	10	LM		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR ELECTRICAL INSTALLATION WORKS - CARRIED TO SUMMARY					

<u>MECHANICAL (B.S) INSTALLATION WORKS</u>					
<u>SANITARY FITTINGS</u>					
<u>Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Twyfords Ltd 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</u>					
<u>Water Closet</u>					
A	Close-coupled WC suite with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless low level ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, chrome-plated flush button and heavy plastic seat and cover with metal top fixed (chrome plated) hinges. All to be as Duravit D-Code (Horizontal outlet) CAT No. 2111090000 water closet or equal and approved.	5	NO		
<u>Water Closet (WC) Squatting</u>					
B	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 7.5 litres vitreous china Cistern complete with valve less cistern fittings including siphon, with side/bottom inlet and overflow, connecting fitments from Cistern to bowl, and reversible chrome plated Cistern lever or equal and approved	5	NO		
<u>Pedestal WHB</u>					
C	Wash hand basin size 510 x 420mm with one tap holes and chain stay hole, pedestal, 32mm diameter chrome plated chain waste, concealed wall brackets, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Ideal Standard or equal and approved.	1	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
Total Carried to Next Page					

Total Brought Forward					
<u>Countertop Wash Hand Basin (WHB)</u>					
A	Countertop wash hand basin size 510 x 420mm with one tap holes and chain stay hole, 32mm diameter chrome plated pop up chain waste as cat. No. WF 4330, concealed wall brackets, chrome plated single tap hole basin mixer as Cobra Ref: 902, chrome plated non-conculsive time delay press action pillar tap as Cobra model and plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Duravit D-Code or equal and approved.	12	NO		
<u>Urinal</u>					
B	One range low level large urinal bowl in white vitreous china comprising 1No. bowl complete with bowl/divisions support, plastic bottle trap, chrome plated flushpipe, wall mounted flushvalve and spreader ref SS 6071SS with all connections, wall hangers/supports. To be as Duravit or approved equivalent.	2	NO		
<u>Hand Driers</u>					
C	Automatic Hand Drier in white colour, 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 1.8 kw and to be of size 270 x 64 x 143mm deep as HEATRAE SADIA "Handi Dri" or approved equivalent.	5	NO		
<u>Toilet roll holder</u>					
D	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 Twyfords "SEMI RECESSED & ORNAMENTAL" accessories Ref. No. VC 9808 WH	14	NO		
E	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	25	NO		
<u>Mirrors</u>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
F	6mm thick polished plate glass, silver backed mirror with beveled edges, size 610x497mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back nest.	11	NO		
Total Carried to Next Page					

Total Brought Forward					
A	Wall mounted toilet brush holder and brush of approved colour as Ideal Standard or approved equivalent.	14	NO		
B	Ambulant Disabled toilet grab rails 600 x 35mm stainless steel grab rails (4No.) in stainless steel. All to be as "Twyfords Avalon BTW" or approved equivalent.	4	SET		
<u>Kitchen Sink</u>					
C	Single bowl single drainer stainless steel kitchen sink of size 1000*600mm as manufactured by ASL or equal and approved. The bowl size to be 430*420*250mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, kitchen sink tap, bottle trap with 75mm deep seal and chain waste fitting.	1	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
TOTAL FOR MECHANICAL (B.S) INSTALLATION WORKS					
PROJECT MANAGEMENT EXPENSES					
A	Allow Kenya Shillings Three Hundred Thousand Only for Project Management.		ITEM		
TOTAL FOR PROJECT MANAGEMENT EXPENSES					
SUMMARY					
1	BUILDERS WORKS				
2	ELECTRICAL INSTALLATION				
3	MECHANICAL (B.S) INSTALLATION				
4	PROJECT MANAGEMENT EXPENSES				300,000.00
TOTAL FOR WORK TO SECOND FLOOR - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	REINFORCED CONCRETE FRAME				
	<u>Vibrated reinforced insitu concrete Class 20/20 (1:2:4/20 - 20mm aggregate) as described in:-</u>				
A	Columns	17	CM		
B	Ring beam, beams and/or lintols	29	CM		
C	Ring beam, beams @ atrium	3	CM		
D	Gutter beam	8	CM		
E	150mm Thick gutter slab	117	SM		
	<u>R-Bar Reinforcement</u>				
	<u>MT Reinforcement bars to BS 4461 as described including tying/binding wires</u>				
G	T-16	735	KG		
H	T-12	1,398	KG		
K	T-8	1,725	KG		
	<u>In Atrium Beams</u>				
L	T-12	181	KG		
M	T-8	92	KG		
	<u>In Gutter Beams</u>				
N	T-12	506	KG		
P	T-8	255	KG		
	<u>In Gutter Slab</u>				
Q	T-10	3,061	KG		
	<u>Sawn formwork as described to:</u>				
R	Columns; vertical sides	165	SM		
S	Sides and soffits; beams and/or lintols	359	SM		
T	Sides and soffits; ringbeam, beams @ atrium	39	SM		
U	Sides and soffits; gutter beam	104	SM		
V	Soffits of suspended gutter slab	117	SM		
TOTAL FOR REINFORCED CONCRETE FRAME					
- CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	WALLING				
	External Walling				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
A	200mm Thick walls	214	SM		
B	Extra over walling for key pointing externally; patterns to Architect's approval	214	SM		
C	200mm Thick; Gable walls	30	SM		
	Eaves Filling				
D	Materials and labour in eaves filling; with 200mm thick natural stone; laid and jointed in cement and sand (1:4) mortar; average 350mm high	139	LM		
	Internal walling				
	<u>Machine dressed natural stone walling; bedded in cement and sand (1:3) mortar; with minimum crushing strength of 7N/mm² and reinforced with hoop iron gauge 500 in every alternate course</u>				
E	200mm Thick walls	330	SM		
F	150mm Thick walls	45	SM		
TOTAL FOR SUPERSTRUCTURE WALLING					
-CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<p><u>ROOFING</u></p> <p><u>(PROVISIONAL)</u></p> <p><u>Roofing structure</u></p> <p>A Provide the provisional sum of Kenya Shillings Four Million only (Kshs. 4,000,000.00) for steel roofing structure.</p> <p><u>IT5 Roofing cover and Rainwater goods</u></p> <p>B Provide the provisional sum of Kenya Shillings Two Million only (Kshs. 2,000,000.00) for roofing cover and rainwater goods</p> <p><u>Solar glass Roofing cover</u></p> <p>C Provide the provisional sum of Kenya Shillings Three Hundred Thousand only (Kshs. 300,000.00) for solar glass roofing cover.</p>	<p>1</p> <p>1</p> <p>1</p>	<p>SUM</p> <p>SUM</p> <p>SUM</p>		
	TOTAL FOR ROOFING - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	WINDOWS				
	Mild Steel Curtain Rod				
A	35mm Diameter CHS in pair, including pre-priming and painted to approval, one end in decorative wrought steel moulded finish; to casement windows (m/s) including approved runners and screwed end brackets	71	LM		
	Aluminium Windows				
	<u>Purpose made powder coated aluminium windows, complete with 6mm clear/obscure glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
B	Size 5000 x 900mm high; but with obscure glazing (W1)	3	NO		
C	Size 2250 x 1800mm high (W2)	20	NO		
D	Size 950 x 2100mm high (W3)	-	NO		
E	Size 900 x 1600mm high (W4)	3	NO		
	Curtain walling				
	<u>Purpose made powder coated aluminium windows, complete with 8mm laminated tinted glass , complete with permanent ventilation units, weather and draught strips, glazing beads, glazing rubber, jointing pieces and ironmongery & fixing with hardwood packing and bedding solidly in cement mortar (1:4) and pointing externally with approved weather-proof non-hardening mastic.</u>				
F	Size 1600 x 3300mm high	8	NO		
TOTAL FOR WINDOWS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<p><u>DOORS</u></p> <p><u>Internal doors</u></p> <p><u>Aluminium Doors</u></p> <p><u>The following in powder coated aluminium framed side hung doors in approved heavy duty (minimum 2mm thick) sections supplied complete with 6mm clear laminated glass in rubber glazing including glazing 6mm thick strips and powder coated aluminium beading including all necessary ironmongery such as hinges, propriety aluminium door handles and 3-lever approved door locks all to the approval of the Architect as per door & window schedule</u></p>				
D	Door size 900 x 2400mm high including 6mm thick clear laminated glass	4	NO		
E	Ditto but double door size 1200x2400mm high	1	NO		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Internal Doors</u>				
	<u>Solid Cored flush door: mahogany lipped edges</u>				
A	Overall size 900 x 2100 mm high with mahogany veneer.	17	NO		
	<u>Panel door</u>				
	<u>50 mm thick prime grade wrot mahogany panelled door comprising of 150 x 50 mm stiles and top rail, 200 X 50 mm mid and bottom rail and with solid panels.</u>				
B	Overall size 900 x 2100 mm high with mahogany veneer.	1	NO		
C	Ditto but double door size 1200 x 2100 mm high	3	NO		
	<u>25mm thick louvered doors in beech laminate MDF, lipped all around in hardwood.</u>				
D	Door size 800 x 2100mm high (duct doors)	10	NO		
	<u>Prime grade wrot mahogany</u>				
E	200 x 50 mm Door frame: rebated: plugged	21	LM		
F	150 x 50 mm Door frame: rebated: plugged	87	LM		
F	100 x 50 mm Door frame: rebated: plugged	51	LM		
G	40 x 20 mm Architrave: splayed	159	LM		
H	15 mm Quadrant	159	LM		
	<u>Ironmongery as per the "UNION CATALOGUE" or other equal and approved.</u>				
H	100mm Brass butt hinges	36	PRS		
J	Three lever mortise door lock with furniture set	1	NO		
J	Three lever rebated mortise door lock with furniture set	3	NO		
J	Two lever mortise door lock with furniture set	7	NO		
K	Cylindrical lock	10	NO		
L	Indicator bolt	10	NO		
M	Rubber door stop plugged and screwed to floor or wall	24	NO		
N	Heavy duty hydraulic Door closer	7	NO		
P	200mm wide aluminium sheet kicker plate	17	NO		
Q	Stainless steel push plate and handle	7	NO		
	Total Carried To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Painting</u>				
A	Prepare and apply three coats of clear varnish to timber surfaces	117	SM		
B	Ditto 200 - 300mm girth	108	LM		
C	Ditto 100 - 200mm girth	51	LM		
D	Ditto but not exceeding 100mm girth	318	LM		
Total Carried To Collection					

<u>COLLECTION</u>					
Brought Forward From Page MPOLY/78					
Brought Forward From Page MPOLY/79					
Brought Forward From Page MPOLY/80					
TOTAL FOR DOORS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL CEILING FINISHES</u>				
	<u>Ceiling Finishes</u>				
	<u>Chipboard Ceiling</u>				
A	12mm Thick chipboard ceiling set out in symmetrical V-joints fixed to brandering (m.s)	645	SM		
	<u>Prime Grade Wrot Cypress timber; selected and kept clean</u>				
B	75 x 75mm Cornice with two labours; plugged	626	LM		
	<u>Sawn Cypress timber; selected and kept clean</u>				
C	50 x 50mm nailed to ceiling joists (measured elsewhere)	1,847	LM		
D	75 x 50mm Ditto; plugged	626	LM		
	<u>Painting</u>				
	<u>Knot prime stop and prepare and apply three coats first quality emulsion paint to:-</u>				
E	Surfaces of chipboard	645	SM		
F	Surfaces of timber not exceeding 100mm girth	626	LM		
TOTAL FOR INTERNAL CEILING FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL WALL FINISHES</u>				
	<u>Wall Finishes</u>				
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
A	12mm thick to walls and natural stone surfaces internally	1,041	SM		
B	Ditto to door reveals (100 -200mm)	202	LM		
C	Ditto to window jambs ditto	701	LM		
D	Ditto to hatch jambs ditto	-	LM		
	<u>Cement and sand (1:4) screed</u>				
E	12mm Thick backing finished with a wood float to receive wall tiles(m.s); internally	142	SM		
	<u>Approved coloured glazed wall tiles</u>				
F	250 x 300 x 6mm Thick on backing (m.s) to walls	142	SM		
G	Ditto; extra for rounded edge	79	LM		
	<u>Prepare and apply 3 coats emulsion paint to:-</u>				
H	Plastered surfaces internally	1,041	SM		
J	Ditto to door reveals (100 -200mm)	202	LM		
K	Ditto to window jambs ditto	701	LM		
L	Ditto to hatch jambs ditto	-	LM		
TOTAL FOR INTERNAL WALL FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>INTERNAL FLOOR FINISHES</u>				
	<u>Floor Finishes</u>				
	<u>In situ cement and sand (1:4) screed</u>				
A	32mm Thick finished with a wood float to receive ceramic tiles(m.s.)	624	SM		
	<u>Approved coloured non-slip floor tiles</u>				
B	8mm Thick in floors	624	SM		
C	8 x 150mm High skirting tile	536	LM		
TOTAL FOR FLOOR FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>EXTERNAL FINISHES</u>				
	<u>External Render</u>				
A	Cement sand render as described to external concrete surfaces (Columns and Beams)	138	SM		
B	Cement sand render as described to external concrete surfaces (Gable walling)	30	SM		
	<u>Painting and Decoration</u>				
	<u>Prepare and apply three coats of silk vinyl paint to :-</u>				
C	Rendered concrete surfaces externally	138	SM		
D	Rendered gable walling; surfaces externally	138	SM		
TOTAL FOR EXTERNAL FINISHES - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>THE FOLLOWING IN BALUSTRADING TO BALCONIES</u>				
	<u>The Following in Balustrading to Balconies</u>				
	<u>900mm High Balustrades to stairs structural steel (as insteel Ltd. or other equal and approved) hot rolled steel square hollow sections (SHS) with welded and bolted joints m/s</u>				
A	60mm Ø x 3mm (4.44kg/m) thick CHS hand rails welded to top of vertical infills	50	LM		
B	60mm Ø x 3mm (4.44kg/m) thick CHS balusters; bottom end grouted in slab; top end welded to and including head plate and fixed to the underside of beam or slab	73	LM		
C	25 x 25 x 3mm thick (2.07Kg/m) SHS vertical infills; welded to the handrails on the stem ends and spaced at 200 mm c/c; with and including 200mm diameter x 8mm thick rings welded on; at the top and bottom of the infill	45	SM		
D	25 x 25 x 3mm thick ditto SHS lower rail running parallel to the hand rail, welded to the vertical infills and embedded into the treads or to the edges of the stairs/waists for stronger reinforcement and structural stability.	50	LM		
	TOTAL FOR BALUSTRADING TO BALCONIES - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	<p><u>THE FOLLOWING IN METAL WORK TO FRONTAGE</u></p> <p><u>The Following in Balustrading to Balconies</u></p> <p><u>Structural steel (as insteel Ltd. or other equal and approved) hot rolled steel square hollow sections (SHS) with welded and bolted joints m/s</u></p> <p>75mm Ø x 3mm (5.55kg/m) thick CHS stanchion; bottom end fish tailed and grouted into concrete slab; top end welded to and including 125 x 125 x 2mm head plate; fixed under 1st suspended floor slab (In No. 13); red oxide primed and spray painted</p>	38	LM		
	TOTAL FOR METAL WORK TO FRONTAGE - CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SUMMARY - WORK TO THIRD FLOOR AND ROOF</u>				
2.	R.C. SUPERSTRUCTURE (FRAME)				
3.	WALLING				
4.	ROOF CONSTRUCTION, COVERING AND RAINWATER GOODS				
5.	WINDOWS				
6.	DOORS				
8.	CEILING FINISHES				
9.	INTERNAL WALL FINISHES				
10.	FLOOR FINISHES				
11.	EXTERNAL FINISHES				
14.	BALUSTRADING TO BALCONIES				
15.	METAL WORK TO FRONTAGE				
TOTAL FOR WORK TO THIRD FLOOR - CARRIED TO MAIN SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>ELECTRICAL INSTALLATION</u>				
	<u>Supply , install ,test, and commision the following: (Prices Inclusive of all Taxes)</u>				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	62	NO		
B	Ditto but for two way switching.	23	NO		
C	<u>Switches</u>				
	1. 10A One gang one way switch as Genuine MEM or equal and approved	10	NO		
	2. Ditto but for two way switching	8	NO		
	3. Two gang one way switch	5	NO		
	4. Two gang two way switch	9	NO		
	5. Three gang two way switch	4	NO		
	6. 10A Intermediate switch	3	NO		
	<u>Lighting Fittings</u>				
D	1 x 10W 1200 mm(4ft) batten LED fluoresent fitting as GENUINE Philips or equal and approved	45	NO		
E	1 x 100W ball fitting with as WINDSOR or equal and approved	18	NO		
F	1 x 16 W Oyster lighting fitting as THORN 2DCL16BR complete with 16 W 2D LAMP	10	NO		
G	1 x 600 mm(2ft), LED fluoresent fitting complete with lamp and down reflector as Thorn Manufacture	9	NO		
H	Ceiling rose with code grip lampholder and bulb	2	NO		
	<u>Power Systems</u>				
J	Twin Socket outlet points wired with 3 x2.5 mm sq. pvc single core cables drawn in 20 mm dia. Conduit	44	NO		
K	13 A Twin outlet boxes as MK	44	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	Data cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	24	NO		
B	Data outlet box as MK	24	NO		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	5	NO		
D	Telephone outlet box as MK	5	NO		
E	Television Aerial cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	4	NO		
F	Television outlet box as MK	4	NO		
G	3 x 16.0 mm sq. pvc single core cables drawn in 32 mm dia. From the DB'S to the Consumer Units	30	LM		
H	5 x 16.0 mm sq.pvc single core cables drawn in 38 mm dia. Conduit from the Loop - in boxes to the DBs and Isolator	10	LM		
J	6 Way TPN distribution board complete with 80 A Isolator AS Crabtree/ HAUSMANN/ SAPPHIRE	2	NO		
K	<u>Circuit breakers as Crabtree</u>				
	1) 10A SP	12	NO		
	2) 30A SP	6	NO		
	3) 60A SP	2	NO		
	4) blanking plate	4	NO		
L	50mm dia. Heavy gauge PVC Duct for rising mains cable	5	LM		
TOTAL FOR ELECTRICAL INSTALLATION WORKS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	50mm dia. Heavy gauge PVC Duct for incoming mains cable	20	LM		
B	25mm dia. Heavy gauge PVC Duct for earthing lead from earthing manhole	15	LM		
C	Earthing to KP&LC STANDARD	1	ITEM		
D	25mm ² 4 core pvc/swa/pvc cable	50	LM		
E	Cable glands for the item above	2	NO		
F	Tiling trenching and back filling including cable markers	50	LM		
G	Prime coated/painted Cable termination box with lockable door	1	LM		
TOTAL FOR ELECTRICAL INSTALLATION WORKS - CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>MECHANICAL (B.S) INSTALLATION WORKS</u>				
	<u>SANITARY FITTINGS</u>				
	<u>Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Twyfords Ltd 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</u>				
	<u>Water Closet</u>				
A	Close-coupled WC suite with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless low level ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, chrome-plated flush button and heavy plastic seat and cover with metal top fixed (chrome plated) hinges. All to be as Duravit D-Code (Horizontal outlet) CAT No. 2111090000 water closet or equal and approved.	5	NO		
	<u>Water Closet (WC) Squatting</u>				
B	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 7.5 litres vitreous china Cistern complete with valve less cistern fittings including siphon, with side/bottom inlet and overflow, connecting fitments from Cistern to bowl, and reversible chrome plated Cistern lever or equal and approved	5	NO		
	<u>Pedestal WHB</u>				
C	Wash hand basin size 510 x 420mm with one tap holes and chain stay hole, pedestal, 32mm diameter chrome plated chain waste, concealed wall brackets, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Ideal Standard or equal and approved.	1	NO		
Total Carried to Next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
	<u>Countertop Wash Hand Basin (WHB)</u>				
A	Countertop wash hand basin size 510 x 420mm with one tap holes and chain stay hole, 32mm diameter chrome plated pop up chain waste as cat. No. WF 4330, concealed wall brackets, chrome plated single tap hole basin mixer as Cobra Ref: 902, chrome plated non-conculsive time delay press action pillar tap as Cobra model and plastic bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Duravit D-Code or equal and approved.	12	NO		
	<u>Urinal</u>				
B	One range low level large urinal bowl in white vitreous china comprising 1No. bowl complete with bowl/divisions support, plastic bottle trap, chrome plated flushpipe, wall mounted flushvalve and spreader ref SS 6071SS with all connections, wall hangers/supports. To be as Duravit or approved equivalent.	2	NO		
	<u>Hand Driers</u>				
C	Automatic Hand Drier in white colour, 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 1.8 kw and to be of size 270 x 64 x 143mm deep as HEATRAE SADIA "Handi Dri" or approved equivalent.	5	NO		
	<u>Toilet roll holder</u>				
D	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 Twyford's "SEMI RECESSED & ORNAMENTAL" accessories Ref. No. VC 9808 WH	14	NO		
E	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	25	NO		
	<u>Mirrors</u>				
F	6mm thick polished plate glass, silver backed mirror with beveled edges, size 610x497mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back nest.	11	NO		
	Total Carried to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	Total Brought Forward				
A	Wall mounted toilet brush holder and brush of approved colour as Ideal Standard or approved equivalent.	14	NO		
B	Ambulant Disabled toilet grab rails 600 x 35mm stainless steel grab rails (4No.) in stainless steel. All to be as "Twyfords Avalon BTW" or approved equivalent.	4	SET		
	<u>Kitchen Sink</u>				
C	Single bowl single drainer stainless steel kitchen sink of size 1000*600mm as manufactured by ASL or equal and approved. The bowl size to be 430*420*250mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, kitchen sink tap, bottle trap with 75mm deep seal and chain waste fitting.	1	NO		
TOTAL FOR MECHANICAL (B.S) INSTALLATION WORKS					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	<p><u>PROJECT MANAGEMENT EXPENSES</u></p> <p>Allow Kenya Shillings Three Hundred Thousand Only for Project Management.</p>		ITEM		300,000.00
TOTAL FOR PROJECT MANAGEMENT EXPENSES					
1	<p><u>SUMMARY</u></p> <p>BUILDERS WORKS</p>				
2	ELECTRICAL INSTALLATION				
3	MECHANICAL (B.S) INSTALLATION				
4	PROJECT MANAGEMENT EXPENSES				300,000.00
TOTAL FOR WORK TO THIRD FLOOR - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	FOR OFFICIAL USE ONLY AMOUNT (KSHS)	FOR CONTRACTOR'S USE ONLY AMOUNT (KSHS)
	<u>GRAND SUMMARY</u>		
1.	PARTICULAR PRELIMINARIES		
2.	GENERAL PRELIMINARIES		
3.	SPECIAL PRELIMINARIES		300,000.00
4.	WORK TO SUBSTRUCTURES		
5.	WORK TO GROUND FLOOR		
6.	WORK TO FIRST FLOOR		
7.	WORK TO SECOND FLOOR		
8.	WORK TO THIRD FLOOR & ROOF		
9.	PROVISION FOR WORK TO RAMP AND RAMP AREA		3,000,000.00
10.	PROVISION FOR EXTERNAL WORKS		4,000,000.00
11.	PROVISION FOR CONTINGENCIES		4,000,000.00
	SUB-TOTAL		
	ADD V.A.T @ 16%		
	TOTAL - ESTIMATE		

Amount (In Words).....

Tenderer's Name.....

Tenderer's Signature and Stamp.....

Address.....

Witness's Name.....

Address.....