



REPUBLIC OF KENYA

**PROJECT: PROPOSED CONSTRUCTION AND
COMPLETION OF SCHOOL OF HUMANITIES COMPLEX
PHASE I**

FOR

PWANI UNIVERSITY – KILIFI COUNTY

W.P. ITEM

TENDER NO.

TENDER DOCUMENT

**County Quantity
Surveyor
Kilifi County
P. O. Box 409
KILIFI**

**County Architect
Kilifi County
P. O. Box 409
KILIFI**

**County Works Officer
Kilifi County
P. O. Box 409
KILIFI**

Closing Date 29th January, 2019

JANUARY - 2019

PROJECT: PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX - PHASE I FOR PWANI UNIVERSITY.

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REPUBLIC OF KENYA

COUNTY GOVERNMENT OF KILIFI

PROJECT: PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX - PHASE I FOR PWANI UNIVERSITY

TENDER DOCUMENTS

Supplied as part of the Contract for the Proposed Construction and Completion of School of Humanities Complex - Phase I for Pwani University

CONTRACT No. W.P. ITEM NO.-----

Issued by: -
County Works Officer,
Public Works Office
P.O. Box 409

KILIFI.

The Contract for the above mentioned works entered into this Day of20....

by the undersigned refers to these Bills of Quantities and the Department of Public Works General Specification date March 1976 (together with any amendments issued thereto) shall be read and construed as part of the said contract.

.....

.....

CONTRACTOR

EMPLOYER

Date:

Date:

.....

.....

WITNESS

WITNESS

Date:

Date:

SPECIAL NOTES

The Contractor is required to check the numbers of the pages of these Bills of Quantities and Should he find any missing or in duplicate or figures indistinct he must inform the Director; Department of Public Works, Kilifi County at once and have the same rectified.

Should the Contractor be in doubt about the precise meaning of any item or figure for any reason whatsoever, he must inform the Director; Department of Public Works, Kilifi County in order that the correct meaning may be decided before the date for submission of the tenders.

No liability will be admitted nor claim allowed in respect of errors in the Contractor's Tender due to mistakes in the Tender Documents which should have been rectified in the manner described above.

REPUBLIC OF KENYA



STANDARD TENDER DOCUMENT

FOR

**PROCUREMENT OF WORKS
(BUILDING AND ASSOCIATED
CIVIL ENGINEERING WORKS)**

**PUBLIC PROCUREMENT OVERSIGHT
AUTHORITY (PPOA)
P.O. BOX 30007 - 00200
NAIROBI.**

(REVISED OCTOBER 2006)

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INTRODUCTION

- 1.1 This standard tender document for procurement of works has been prepared for use by procuring entities in Kenya in the procurement of works (i.e. Buildings and associated Civil Engineering Works).
- 1.2 The following guidelines should be observed when using the document: -
- (a) Specific details should be furnished in the Invitation to tender and in the special conditions of contract (where applicable). The tender document issued to tenderers should not have blank spaces or options.
 - (b) The instructions to tenderers and the General Conditions of Contract should remain unchanged. Any necessary amendments to these parts should be made through Appendix to instructions to tenderers and special conditions of contract respectively.
- 1.3
- (b) Information contained in the invitation to tender shall conform to the data and information in the tender documents to enable prospective tenderers to decide whether or not to participate in the tender and shall indicate any important tender requirements
 - (c) The invitation to tender shall be as an advertisement in accordance with the regulations or a letter of invitation addressed to tenderers who have been prequalified following a request for prequalification.
- 1.4 The cover of the document shall be modified to include: -
- I. Tender number.
 - II. Tender name.
 - III. Name of procuring entity.
 - IV. Delete name and address of PPOA.

SECTION I

INVITATION FOR TENDERS

Tender reference No.

Tender Name - Proposed Construction and Completion of School of Humanities Complex - Phase I for Pwani University.

- 1.1 The ----- invites sealed tenders for the
- 1.2 Interested eligible candidates may obtain further information and inspect tender documents at ----- during normal working hours.
- 1.3 A complete set of tender documents may be obtained by interested candidates upon payment of non-refundable fees of **Kshs-----**In cash or Bankers Cheque payable to -----
- 1.4 Prices quoted should be net inclusive of all taxes, must be in Kenya shillings and shall remain valid for (120) days from the closing date of tender.
- 1.5 Completed tender documents are to be enclosed in plain sealed envelopes marked with Tender name and reference number and deposited in the Tender Box at ----- and to be addressed to -----
----- so as to be received on or before *Date specified by the procuring entity.*
- 1.6 Tenders will be opened immediately thereafter in the presence of the candidates or their representatives who choose to attend at -----
----- **or any other appropriate venue as may be decided by the Procurement Officer.**

MANDATORY EVALUATION CRITERIA

Firms meeting the criteria below; which must be demonstrated by attaching relevant documentary evidence, shall be considered.

- a) Main Contractor must be registered by NCA Category 3 and above for building works (copy of registration certificate and renewal and Annual practicing license must be attached).
- b) A Photostat copy of the company registration/certificate of incorporation must be attached
- c) The Bid Bond of 2% of the bid price in form of a bank guarantee from reputable bank or approved insurance firm and must remain valid for 150 days from the date of tender opening in the prescribed format.

- d) Details of works of the similar magnitude within the last three years giving details of the clients who may be contacted for further information to meet specified experience requirement.
- e) The names, qualification and experience of key personnel available for the works (attach copies of curriculum vitae and certificates)
- f) Reports of financial standing (audited accounts and bank statements) of the tenderer (Main Contractor and Specialist domestic sub contractors) for the last Three years (from 2012 to 2017)
- g) Litigation history of company (both court and arbitration)
- h) Details of contractor's equipment and plants and type of ownership (attach proof) eg log books
- i) Valid tax compliance certificate
- j) Confidential business questionnaire
- k) Valid PIN and VAT Certificate

Further tenders from the following tenderers shall be treated as NON - RESPONSIVE and therefore subject to automatic disqualification

- I. A tender from a tenderer whose on - going project(s) is/are behind schedule and without any approved extension of time.
- II. A tender from a tenderer who has been served with default notice on- going project(s) or terminated in good contact.
- III. A tender from a tenderer with on - going projects exceeding four (4) in number, regardless of the total value of the outstanding works.

For

(Accounting Officer/ Procuring Entity)

SECTION II

INSTRUCTIONS TO TENDERERS

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INSTRUCTIONS TO TENDERERS.

1. **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) **reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the past five years;**
- (g) **evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);**
- (h) **authority to seek references from the tenderer's bankers;**
- (i) **information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount; and**
- (j) **proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price.**

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

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

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

- (a) **annual volume of construction work of at least 2.5 times the estimated annual cash flow for the Contract;**
- (b) **experience as 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;**
 - (e) **a Contract manager with at least five years' experience in works of an equivalent nature and volume, including no less than three years as Manager; and**
 - (f) **liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than 4 months of the estimated payment flow under this Contract.**
- 1.8 The figures for each of the partners of a joint venture shall be added together to determine the tenderer's compliance with the minimum qualifying criteria of clause 1.7 (a) and (e); however, for a joint venture to qualify, each of its partners must meet at least 25 percent of minimum criteria 1.7 (a), (b) and (e) for an individual tenderer, and the partner in charge at least 40 percent of those minimum criteria. Failure to comply with this requirement will result in rejection of the joint venture's tender. Subcontractors' experience and resources will not be taken into account in determining the tenderer's compliance with the qualifying criteria, unless otherwise stated.
- 1.9 Each tenderer shall submit only one tender, either individually or as a partner in a joint venture. A tenderer who submits or participates in more than one tender (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the tenderer's participation to be disqualified.
- 1.10 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible or liable for those costs.
- 1.11 The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the tenderer's own expense.
- 1.12 The procuring entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 1.13 The price to be charged for the tender document shall not exceed Kshs. 5,000/=
- 1.14 The procuring entity shall allow the tenderer to review the tender document free of charge before purchase.

2. Tender Documents

- 2.1 The complete set of tender documents comprises the documents listed below and any addenda issued in accordance with Clause 2.4.
- (a) These Instructions to Tenderers
 - (b) 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 sixty (60) days from the date of submission. However, in exceptional circumstances, the Employer may request that the tenderers extend the period of validity for a specified additional period. The request and the tenderers' responses shall be made in writing. A tenderer may refuse the request without forfeiting the Tender Security. A tenderer agreeing to the request will not be required or permitted to otherwise modify the tender, but will be required to extend the validity of Tender Security for the period of the extension, and in compliance with Clause 3.7 - 3.11 in all respects.

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

of the alternative, including design calculations, technical specifications, breakdown of prices, proposed construction methods and other relevant details. Only the technical alternatives, if any, of the lowest evaluated tender conforming to the basic technical requirements shall be considered.

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

4. Submission of Tenders

- 4.1 The tenderer shall seal the original and all copies of the tender in two inner envelopes and one outer envelope, duly marking the inner envelopes as “**ORIGINAL**” and “**COPIES**” 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 except as required to confirm the correction of arithmetic errors discovered in the evaluation of the tenders in accordance with Clause 5.7.
- 5.5 Prior to the detailed evaluation of tenders, the Employer will determine whether each tender (a) meets the eligibility criteria defined in Clause 1.7;(b) has been properly signed; (c) is accompanied by the required securities; and (d) is substantially responsive to the requirements of the tendering documents. A substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tendering documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the tendering documents, the Employer's rights or the tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.

- 5.6 If a tender is not substantially responsive, it will be rejected, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.
- 5.7 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:
- (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
 - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.
 - (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities, the amount as stated in the Form of Tender shall prevail.
 - (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected Builder's Work (i.e. Corrected tender sum less P.C. and Provisional Sums)
 - (e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
 - (f) the amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 3.11.
- 5.8 The Employer will evaluate and compare only the tenders determined to be substantially responsive in accordance with Clause 5.5.
- 5.9 In evaluating the tenders, the Employer will determine for each tender the evaluated tender price by adjusting the tender price as follows:
- (a) making any correction for errors pursuant to clause 5.7;
 - (b) excluding provisional sums and the provision, if any, for contingencies in the Bill of Quantities, but including 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 a non-indigenous sub-contractor.

6. Award of Contract

- 6.1 Subject to Clause 6.2, the award of the Contract will be made to the tenderer whose tender has been determined to be substantially responsive to the tendering documents and who has offered the lowest evaluated tender price, provided that such tenderer has been determined to be (a) eligible in accordance with the provision of Clauses 1.2, and (b) qualified in accordance with the provisions of clause 1.7 and 1.8.
- 6.2 Notwithstanding clause 6.1 above, the Employer reserves the right to accept or reject any tender, and to cancel the tendering process and reject all tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the action.
- 6.3 The tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the "Letter of Acceptance") will state the sum (hereinafter and in all Contract documents called the "Contract Price") that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract. At the same time the other tenderers shall be informed that their tenders have not been successful.
- The contract shall be formed on the parties signing the contract.
- 6.4 The Agreement will incorporate all agreements between the Employer and the successful tenderer. Within 14 days of receipt the successful tenderer will sign the Agreement and return it to the Employer.
- 6.5 Within 21 days after receipt of the Letter of Acceptance, the successful tenderer shall deliver to the Employer a Performance Security in the amount stipulated in the Appendix to Conditions of Contract and in the form stipulated in the Tender documents. The Performance Security shall be in the amount and specified form
- 6.6 Failure of the successful tenderer to comply with the requirements of clause 6.5 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Tender Security.
- 6.7 Upon the furnishing by the successful tenderer of the Performance Security, the Employer will promptly notify the other tenderers that their tenders have been unsuccessful.
- 6.8 Preference where allowed in the evaluation of tenders shall not be allowed for contracts not exceeding one year (12 months)

- 6.9 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 6.10 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.
- 6.11 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)
- 6.12 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.
- 6.13 Price variation request shall be processed by the procuring entity within 30 days of receiving the request.
- 6.14 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.15 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.
- 6.16 A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

7. Corrupt and Fraudulent practices

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

SECTION III

CONDITIONS OF CONTRACT

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CONDITIONS OF CONTRACT

1. Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Interpretation

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

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

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

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

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

3. Language and Law

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

4 Project Manager's Decisions

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

5 Delegation

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

6 Communications

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

7 Subcontracting

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

8 Other Contractors

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities etc. as listed in the

Appendix to Conditions of Contract and also with the Employer, as per the directions of the Project Manager. The Contractor shall also provide facilities and services for them. The Employer may modify the said List of Other Contractors etc., and shall notify the Contractor of any such modification.

9 Personnel

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

10 Works

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

11 Safety and Temporary Works

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

12. Discoveries

- 12.1 Anything of historical or other interest or of significant value unexpectedly discovered on Site shall be the property of the Employer. The Contractor

shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.

13. Work Program

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

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

14. Possession of Site

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

15. Access to Site

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

16. Instructions

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

17. Extension or Acceleration of Completion Date

17.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a variation is issued which

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

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

18. Management Meetings

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

19. Early Warning

19.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the Work, increase the Contract Price or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.

19.2 The Contractor shall cooperate with the Project Manager in making and considering proposals on how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the Work and in carrying out any resulting instructions of the Project Manager.

20. Defects

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

21. Bills Of Quantities

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

22. Variations

- 22.1 All variations shall be included in updated programs produced by the Contractor.
- 22.2 The Contractor shall provide the Project Manager with a quotation for carrying out the variations when requested to do so. The Project Manager

shall assess the quotation, which shall be given within seven days of the request or within any longer period as may be stated by the Project Manager and before the Variation is ordered.

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

23. Payment Certificates, Currency of Payments and Advance Payments

- 23.1 The Contractor shall submit to the Project Manager monthly applications for payment giving sufficient details of the Work done and materials on Site and the amounts which the Contractor considers himself to be entitled to. The Project Manager shall check the monthly application and certify the amount to be paid to the Contractor within 14 days. The value of Work executed and payable shall be determined by the Project Manager.
- 23.2 The value of Work executed shall comprise the value of the quantities of the items in the Bills of Quantities completed, materials delivered on Site, variations and compensation events. Such materials shall become the property of the Employer once the Employer has paid the Contractor for their

value. Thereafter, they shall not be removed from Site without the Project Manager's instructions except for use upon the Works.

- 23.3 Payments shall be adjusted for deductions for retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of issue of each certificate. If the Employer makes a late payment, the Contractor shall be paid simple interest on the late payment in the next payment. Interest shall be calculated on the basis of number of days delayed at a rate three percentage points above the Central Bank of Kenya's average rate for base lending prevailing as of the first day the payment becomes overdue.
- 23.4 If an amount certified is increased in a later certificate or as a result of an award by an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.
- 23.5 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.
- 23.6 The Contract Price shall be stated in Kenya Shillings. All payments to the Contractor shall be made in Kenya Shillings and foreign currency in the proportion indicated in the tender, or agreed prior to the execution of the Contract Agreement and indicated therein. The rate of exchange for the calculation of the amount of foreign currency payment shall be the rate of exchange indicated in the Appendix to Conditions of Contract. If the Contractor indicated foreign currencies for payment other than the currencies of the countries of origin of related goods and services, the Employer reserves the right to pay the equivalent at the time of payment in the currencies of the countries of such goods and services. The Employer and the Project Manager shall be notified promptly by the Contractor of a 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.

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

24.3 As soon as information demonstrating the effect of each compensation event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager will assume that the Contractor will react competently and promptly to the event.

24.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having co-operated with the Project Manager.

24.5 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the Appendix to Conditions of Contract.

- 24.6 The Contractor shall give written notice to the Project Manager of his intention to make a claim within thirty days after the event giving rise to the claim has first arisen. The claim shall be submitted within thirty days thereafter.

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

25. Price Adjustment

- 25.1 The Project Manager shall adjust the Contract Price if taxes, duties and other levies are changed between the date 30 days before the submission of tenders for the Contract and the date of Completion. The adjustment shall be the change in the amount of tax payable by the Contractor.
- 25.2 The Contract Price shall be deemed to be based on exchange rates current at the date of tender submission in calculating the cost to the Contractor of materials to be specifically imported (by express provisions in the Contract Bills of Quantities or Specifications) for permanent incorporation in the Works. Unless otherwise stated in the Contract, if at any time during the period of the Contract exchange rates shall be varied and this shall affect the cost to the Contractor of such materials, then the Project Manager shall assess the net difference in the cost of such materials. Any amount from time to time so assessed shall be added to or deducted from the Contract Price, as the case may be.
- 25.3 Unless otherwise stated in the Contract, the Contract Price shall be deemed to have been calculated in the manner set out below and in sub-clauses 25.4 and 25.5 and shall be subject to adjustment in the events specified thereunder;
- (i) The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the rates of wages and other emoluments and expenses as determined by the Joint Building Council of Kenya (J.B.C.) and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.
 - (ii) Upon J.B.C. determining that any of the said rates of wages or other emoluments and expenses are increased or decreased, then the Contract Price shall be increased or decreased by the amount assessed by the Project Manager based upon the difference, expressed as a percentage, between the rate set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of labour incorporated within the amount of Work remaining to be executed at the date of publication of such increase or decrease.

- (iii) No adjustment shall be made in respect of changes in the rates of wages and other emoluments and expenses which occur after the date of Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.
- 25.4 The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the basic prices of materials to be permanently incorporated in the Works as determined by the J.B.C. and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.
- 25.5 Upon the J.B.C. determining that any of the said basic prices are increased or decreased then the Contract Price shall be increased or decreased by the amount to be assessed by the Project Manager based upon the difference between the price set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of the relevant materials which have not been taken into account in arriving at the amount of any interim certificate under clause 23 of these Conditions issued before the date of publication of such increase or decrease.
- 25.6 No adjustment shall be made in respect of changes in basic prices of materials which occur after the date for Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.
- 25.7 The provisions of sub-clause 25.1 to 25.2 herein shall not apply in respect of any materials included in the schedule of basic rates.

26. Retention

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

27. Liquidated Damages

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

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

28. Securities

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

29. Dayworks

29.1 If applicable, the 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 authorized by the Project Manager;
- (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 30 days;
- (c) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

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

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

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

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

34. Payment Upon Termination

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

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

- 34.3 The Employer may employ and pay other persons to carry out and complete the Works and to rectify any defects and may enter upon the Works and use all materials on the Site, plant, equipment and temporary works.
- 34.4 The Contractor shall, during the execution or after the completion of the Works under this clause remove from the Site as and when required, within such reasonable time as the Project Manager may in writing specify, any temporary buildings, plant, machinery, appliances, goods or materials belonging to or hired by him, and in default the Employer may (without being responsible for any loss or damage) remove and sell any such property of the Contractor, holding the proceeds less all costs incurred to the credit of the Contractor.
- Until after completion of the Works under this clause the Employer shall not be bound by any other provision of this Contract to make any payment to the Contractor, but upon such completion as aforesaid and the verification within a reasonable time of the accounts therefore the Project Manager shall certify the amount of expenses properly incurred by the Employer and, if such amount added to the money paid to the Contractor before such determination exceeds the total amount which would have been payable on due completion in accordance with this Contract the difference shall be a debt payable to the Employer by the Contractor; and if the said amount added to the said money be less than the said total amount, the difference shall be a debt payable by the Employer to the Contractor.

35. Release from Performance

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

36. Corrupt gifts and payments of commission

The Contractor shall not;

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

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

or disfavor to any person in relation to this or any other contract for the Employer.

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

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

37. Settlement of Disputes

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

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

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

37.2 The arbitration may be on the construction of this Contract or on any matter or thing of whatsoever nature arising thereunder or in connection therewith, including any matter or thing left by

this Contract to the discretion of the Project Manager, or the withholding by the Project Manager of any certificate to which the Contractor may claim to be entitled to or the measurement and valuation referred to in clause 23.0 of these conditions, or the rights and liabilities of the parties subsequent to the termination of Contract.

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

assess and award any sums which ought to have been the subject of or included in any certificate.

37.8 The Arbitrator shall, without prejudice to the generality of his powers,

have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all

matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision requirement or notice had been given.

37.9 The award of such Arbitrator shall be final and binding upon the parties.

SECTION IV - APPENDIX TO CONDITIONS OF CONTRACT

PARTICULAR INSERTIONS TO BE MADE IN THE AGREEMENT AND

CONDITIONS OF CONTRACTS

THE EMPLOYER IS

Name: **PWANI UNIVESITY**

Address: **P.O Box 195 – 80108, KILIFI**

Name of Authorized Representative: **THE VICE CHANCELLOR, PWANI UNIVERSITY P.O BOX 195 – 80108 KILIFI.**

Telephone:

Email:

The Project Manager is- **COUNTY WORKS OFFICER – KILIFI COUNTY**

Address: P.O. Box 409

Telephone: _

The name (and identification number) of the Contract is **The Proposed Construction and Completion of School of Humanities Complex - Phase I for Pwani University.**

The Works consist of **Construction and Completion of School of Humanities Complex Phase I** associated Electrical and Mechanical works.

The Site Possession Date shall be agreed with the project Manager.

The Start Date shall be agreed with the project Manager.

The Intended Completion Date for the whole of the Works shall be **Seventy-Eight (78)**

weeks from the date of Possession.

The following documents also form part of the Contract:

The Contractor shall submit a revised program for the Works within Fourteen (**14**) days of delivery of the Letter of Acceptance.

The Site is located at **Pwani University - Kilifi County**

The Defects Liability period is **6 Months.**

Clause 8: Other Contractors, utilities etc., to be engaged by the Employer on the Site. Include those for the execution of;

i) Electrical Works

ii) Mechanical Works

V.A.T. should be captured as a percentage of the works and reflected on the Grand summary.

Clause 30: The minimum insurance cover shall be *contractor's All Risk Insurance*

Clause 32: Period of final measurement *three months*

Clause 27: liquidated and ascertained damages shall be

Clause 23: Period of interim certificates_ monthly

Clause 23: Period of honoring certificates_30 days

Clause 23: Percentage of certified value retained *10%*

Clause 23: Limit of retention fund *10%*

Under clause 23: The project manager shall be responsible for the preparation of the interim Payment certificates for the contractor.

Under clause 32: The project manager shall be responsible for the preparation of the Final Account of the Project.

Under Clause 25: **Fluctuation** clause 25.3 to 25.6 **shall apply** in this contract.

Under clause 6.5 & 28.1: Performance security shall be 5% *of contract sum*.

SECTION V - STANDARD FORM

- (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
- (xi) Details of Sub-Contractors

FORM OF INVITATION FOR TENDERS

_____ *[date]*

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

Dear Sirs:

Reference: _____ *[Contract Name]*

You have been prequalified to tender for the above project.

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

A complete set of tender documents may be purchased by you from _____
_____ *[mailing address, cable/telex/facsimile numbers].*

Upon payment of a non-refundable fee of Kshs _____

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

_____ *[address and location]*

at or before _____ *(time and date)*. Tenders will be opened immediately thereafter, in the presence of tenderers' representatives who choose to attend.

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

Yours faithfully,

_____ Authorized Signature

_____ *Name and Title*

FORM OF TENDER

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

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of Kshs. _____ [Amount in figures] Kenya Shillings _____ [Amount in words]
2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager’s notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Conditions of Contract.
3. We agree to abide by this tender until _____ [Insert date], and it shall remain binding upon us and may be accepted at any time before that date.
4. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.
5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this _____ day of _____ 20 _____

Signature _____ in the capacity of _____

duly authorized to sign tenders for and on behalf of
_____ [Name of Employer]
of _____ [Address of Employer]

Witness; Name _____

Address _____

Signature _____

Date _____

LETTER OF ACCEPTANCE

[letterhead paper of the Employer]

_____ *[date]*

To: _____
[name of the Contractor]

[address of the Contractor]

Dear Sir,

This is to notify you that your Tender dated _____
for the execution of _____
[name of the Contract and identification number, as given in the Tender documents] for the
Contract Price of Kshs. _____ *[amount in figures]* [Kenya
Shillings _____ *(amount in words)*] in accordance with the
Instructions to Tenderers is hereby accepted.

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

Authorized Signature

Name and Title of Signatory

Attachment: Agreement

FORM OF AGREEMENT

**THIS AGREEMENT, made the _____ day of _____ 20 _____
between _____ of [or whose registered office is
situated at**

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

_____ of [or whose registered office is situated
at] _____

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

WHEREAS THE Employer is desirous that the Contractor executes

_____ (*name and identification number of Contract*) (hereinafter called “the Works”) located
at _____ [*Place/location of the Works*] and the Employer has
accepted the tender submitted by the Contractor for the execution and completion of such
Works and the remedying of any defects therein for the Contract Price of
Kshs _____ [*Amount in figures*], Kenya
Shillings _____ [*Amount in words*].

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
 - (i) Letter of Acceptance
 - (ii) Form of Tender
 - (iii) Conditions of Contract Part I
 - (iv) Conditions of Contract Part II and Appendix to Conditions of Contract
 - (v) Specifications
 - (vi) Drawings
 - (vii) Priced Bills of Quantities
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

(i) FOR AND ON BEHALF OF THE EMPLOYER

Name:

Title:

Binding Signature& Stamp: -

Date: -

Witnessed by:

Name: -

Title –

Address: -

Binding Signature& Stamp: -

Date: -

(ii) FOR AND ON BEHALF OF THE CONTRACTOR

Name of Contractor: -

Full Name of Contractor's

Authorized Representative: -

Title: -

Binding Signature& Stamp: -

Date: -

Witnessed by:

Name: -

Address: -

Binding Signature& Stamp: -

Date: -

FORM OF TENDER SECURITY

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

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

THE CONDITIONS of this obligation are:

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

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

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

_____ [Date [

_____ [signature of the Bank]

_____ [Witness]

_____ [Seal]

PERFORMANCE BANK GUARANTEE

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

Dear Sir,

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

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

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

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

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

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

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

SIGNATURE AND SEAL OF THE GUARANTOR _____

Name of Bank _____

Address _____

Date _____

BANK GUARANTEE FOR ADVANCE PAYMENT

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

Gentlemen,

Ref: _____ [name of Contract]

In accordance with the provisions of the Conditions of Contract of the above-mentioned Contract, We, _____ [name and Address of Contractor] (hereinafter called "the Contractor") shall deposit with _____ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Contract in an amount of Kshs. _____ [amount of Guarantee in figures] Kenya Shillings _____ [amount of Guarantee in words].

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

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

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

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

Yours faithfully,

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness: Name: _____

Address: _____

Signature: _____

Date: _____

QUALIFICATION INFORMATION

1. Individual Tenderers or Individual Members of Joint Ventures

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

Place of registration: _____

Principal place of business _____

Power of attorney of signatory of tender _____

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

Year	Volume	
	Currency	Value

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

Project name	Name of client and contact person	Type of work performed and year of completion	Value of work performed and of completion	Contract
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

1.4 Major items of Contractor's Equipment proposed for carrying out the Works. List all information requested below.

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

- 1.5 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data.

Position	Name	Years of experience (general)	Years of experience in proposed position
Project Manager			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
(etc.)			

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

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

- 1.8 Name, address and telephone, telex and facsimile numbers of banks that may provide reference if contacted by the Employer.

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

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

2 Joint Ventures

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

- 2.5 The information required in 1.11 above shall be provided for the joint venture.
- 2.6 Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture
- 2.7 Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:
- a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
 - b) one of the partners will be nominated as being in charge, authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture; and
 - c) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

TENDER QUESTIONNAIRE

Please fill in block letters.

1. Full names of tenderer
.....

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

3. Telephone number (s) of tenderer
.....

4. Telex address of tenderer
.....

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

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

Signature of Tenderer

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

CONFIDENTIAL BUSINESS QUESTIONNAIRE

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

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

Part 1 - General

Business Name

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

Plot No..... Street/Road

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

Nature of Business.....

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

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

Name of your bankers.....

Branch.....

Part 2 (a) - Sole Proprietor

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

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

*Citizenship details

Part 2 (b) - Partnership

Give details of partners as follows:

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

Part 2(c) – Registered Company:

Private or public.....

State the nominal and issued capital of the Company-

Nominal Kshs.....

Issued Kshs.....

Give details of all directors as follows:

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

1.
.....

2.
.....

3.
.....

4.
.....

Part 2(d) – Interest in the Firm:

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

I certify that the information given above is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

- Attach proof of citizenship

STATEMENT OF FOREIGN CURRENCY REQUIREMENTS

(See Clause 23] of the Conditions of Contract)

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

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

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

Currency in which foreign exchange element is required:

.....

Date: The Day of 20.....

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

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

(Signature of Tenderer)

DETAILS OF SUB-CONTRACTORS

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

Failure to comply with this requirement may invalidate the tender.

- (1) Portion of Works to be sublet:
- [i] Full name of Sub-contractor and address of head office:
.....
- [ii] Sub-contractor's experience of similar works carried out in the last 3 years with Contract value:
.....
.....

- (2) Portion of Works to sublet:
- (i) Full name of sub-contractor and address of head office:
.....
.....
- (ii) Sub-contractor's experience of similar works carried out in the last 3 years with contract value:
.....

[Signature of Tenderer)

Date

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 V

SPECIFICATIONS AND PRICING NOTES

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

GENERAL ITEMS

Materials Generally

A.1 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.

A.2 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.

A.3 Materials for which there is no Kenya Bureau of Standards specification

All materials used in the works for which no Kenya Bureau of Standards specification 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

B.1 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.

B.2 Nature of the Soil

The Contractor is advised to visit the site and ascertain the nature of the ground to be excavated and he 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.

B.3 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 Contract.

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.

B.4 Surplus Soil Disposal

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

B.5 B.5 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.

B.6 Filling under Surface Beds in Buildings

i) Marram filling

Marram 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 230mm 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.

i) 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 230mm.

B.7 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 and consolidated. The specialist shall be required to issue a 10 year guarantee to the Employer.

B.8 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.

B.9 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

C.1 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 B.S. 8110 parts 1 & 2, B.S. 8004, B.S. 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.

C.2 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.

C.3 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.02-21 shall be supplied for each consignment delivered to the Site.

C.4 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 grading's 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.**

C.5 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.

C.6 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.

C.7 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 50kg bag of cement	0.12	0.16
Cubic metres of coarse aggregate		
Per 50kg bag of cement	0.24	0.32

Max. size of coarse aggregate 40mm* 40mm*

*or 20mm for blinding concrete where described.

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.

C.8 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 micspans of slabs, ribs and deems.

C.9 Faulty Concrete

Any concrete which fails to comply with these Preambles, or which shows signs or setting before it is placed shall be taken out and removed from the site, where concrete is found to be defective after it has 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 repaired or patched until the Engineer has made an inspection and issued instructions for the repair.

C.10 Steel reinforcement

The steel reinforcement shall comply with the latest requirements of the following

British Standards: Hot rolled MS for the
Reinforcement Concrete KS 02-22

Hot rolled MS for the
Reinforcement Concrete KS 4449

Cold worked H.Y. steel for the
Reinforcement Concrete BS 4461

Hard drawn steel Wire BS 4482

C.11 Fabric Reinforcement

Fabric reinforcement shall be electrically cross-welded steel wire mesh reinforcement to B.S. 4483 and of the size and weight specified and made of wire to B.S. 4482.

C.12 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 detailed or directed by the Engineer.

C.13 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, precast concrete or other approved material.

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

WALLING

MATERIALS

D.1 Cement

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

D.2 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.

D.3 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.

D.4 Water

Shall be as described in Concrete work.

D.5 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.

D.6 Reinforced Walls

Steel reinforcing bars in walls shall be carefully placed and spacers used to ensure that a minimum of 20mm 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.

D.7 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

D.8 Fair Face

All concrete and hollow blockwork described as finished with a fair face is to be built to a true and even

D.9 Pointing

Pointing of walls shall be prepared for pointing by raking out all loose or friable material to a minimum of 15mm 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 MATERIA LS

E.1 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.

E.2 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.

E.3 Clear sheet glass etc.

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

E.4 Obscured Glass

To be of type described and as approved Architect.

E.5 Putty

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

E.6 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 overtight fit within framing.

METALWORK

MATERIALS

F.1 Generally

All materials shall be the best of their respective kinds free from defects and all work is 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.

F.2 Mild Steel

Mild steel shall comply with B.S. 15.

F.3 Hollow Section Tubing

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

F.4 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.

F.5 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.

F.6 Stainless Steel

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

F.7 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

F.8 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.

F.9 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 91:4), 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

FINISHING PLASTERWORK

G.1 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.

G.2 Cement

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

G.3 Lime

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

G.4 Sands

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

G.5 Water

Water shall be clean and kept free from all impurities.

G.6 Mixing of materials

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

G.7 Period between coats

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

G.8 Surfaces of beds and backings

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

Floated 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, grooves 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 backings 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. Screeds to receive finishings bedded in mortar shall be well wetted before laying is commenced.

PAINTNG AND DECORATING

MATERIALS

H.1 Colour range

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

H.2 Approval of brands

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

H.3 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 for coating

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 Remedying defects due to defective materials

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, at his expense, to the satisfaction of the Architect.

H.15 Emulsion paint

Emulsion paint (interior and/or exterior), shall have a P.V.A. base and shall be of an approved brand. 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.

H.16 Black bituminous paint

Black bituminous paint shall comply with B.S. 3416, Type 1 for general use, Type ii for drinking water tanks.

H.20 Primer for iron and steelwork

Primer for iron and steelwork shall be:-

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

H.25 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.

H.26 Oil paints

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

H.27 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 blockwork 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.

H.37 Hardwood

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

H.38 Fibreboard

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

H.39 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 herebefore for external work, and then rubbed down and all dust and loose materials brushed off.

H.40 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.

H.41 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

H.42 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.

H.43 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.

H.44 Manufacturers 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 Brush work

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.

PREAMBLES AND PRICING NOTES

A. GENERALLY

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

B. MANUFACTURERS' NAMES

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

C. WALLING

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

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

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

D. CARPENTRY

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

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

Prices must also include for all nails and fasteners.

A. JOINERY

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

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

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

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

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

B. IRON MONGERY

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

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

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

C. STRUCTURAL STEELWORK

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

A. PLASTERWORK AND OTHER FINISHES

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

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

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

B. GLAZING

Where polished plate glass is specified, this refers to general glazing quality.

Prices for glazing shall include for priming of rebates before placing putty.

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

C. PAINTING

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

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

ITEM	DESCRIPTION	K.SHS
	<p><u>PARTICULAR PRELIMINARIES</u></p> <p>A PRICING ITEMS OF PRELIMINARIES</p> <p>Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.</p> <p>B DESCRIPTION OF THE WORKS</p> <p>The works to be carried out under this contract involves; The works to be carried out under this contract involves; Construction and Completion of School of Humanities Phase I, roof structure and roofing, external and internal finishes, associated mechanical and electrical services and external works</p> <p>C FLOOR AREAS</p> <p>The total gross floor areas are approximately 4007 square metres. The total gross floor area is given without warranty but for guidance only.</p> <p>D MEASUREMENTS</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the said Conditions.</p> <p>E LOCATION OF SITE</p> <p>The site of the proposed works is located at the Pwani university. The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor’s failure to do so will be entertained.</p> <p>F SIGNING OF THE TENDER DOCUMENTS</p> <p>The bidder shall append his/her signature and/or company’s rubber stamp on each and every page of tender document.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
A	<p>DEMOLITIONS AND ALTERATIONS The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and</p> <p>as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager</p> <p>The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described.</p> <p>Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site.</p> <p>The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned</p>	
B	<p>CLEARING AWAY The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager.</p> <p>The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.</p>	
C	<p>CLAIMS It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contact period.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
A	<p>PAYMENTS</p> <p>The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements</p>	
B	<p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p>	
C	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the</p>	
D	<p>SIGNBOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p>	
E	<p>LABOUR CAMPS</p> <p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	
F	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the Employer. The Contractor shall allow in his rates the cost of transporting the demolished materials as directed.</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	K.SHS
A	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>	
B	<p>SECURITY</p> <p>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>	
C	<p>URGENCY OF THE WORKS</p> <p>The Contractor is notified that these “ works are urgent” and should be completed within the period stated in these Particular Preliminaries.</p> <p>The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p>	
D	<p>PAYMENT FOR MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>	
E	<p>EXISTING SERVICES</p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>	
F	<p>CONTRACT COMPLETION PERIOD</p> <p>The contract completion period in accordance with condition 31 of the Conditions of contract must be 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 .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>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	K.SHS
A	<p>PERFORMANCE BOND</p> <p>A bond of 5% of the contract sum will be required in accordance with clause 6.00 (as amended) on award of contract of the Instructions to Tenderer's. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved Bank.</p>	
B	<p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page STD/8</p>	
C	<p>DELIVERY OF TENDER</p> <p>Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement.</p> <p>Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.</p>	
D	<p>VALUE ADDED TAX</p> <p>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for VAT and any other Government taxes currently in force.</p> <p>NB: VAT shall be added at the Grand Summary page</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
	<p>PROJECT MANAGERS EXPENSES</p> <p><u>The funds referred to items PP/6A, PP/6B and PP/6C below shall be disbursed to the concerned officers in advance in every month by the contractor for the duration of the contract</u></p>	
A	<p>Provide mobile phone airtime worth Kenya Shillings two thousand (Kshs 2,000.00) only per person per calender month for Seven (7 No.) Publicworks Officers for the duration of the contract period.</p>	336,000.00
	<p>Allow for Contractor's profit and overheads (.....%)</p>	
B	<p>Provide Lunch worth Kenya Shillings One thousand (Kshs 1000.00) only per person per every site visit/ site inspection for Seven (7 No.) Officers for the duration of the contract period.</p>	336,000.00
	<p>Allow for Contractor's profit and overheads (.....%)</p>	
C	<p>Provide Kenya Shillings One thousand Two Hundred (Kshs 1,200.00) only per day for a Clerk of works expenses for the duration of the contract period (Including Weekends).</p>	892,800.00
	<p>Allow for Contractor's profit and overheads (.....%)</p>	
D	<p>Provide Kenya Shillings Three Hundred thousand (Kshs 300,000.00) only for Stationery and other office Administrative Costs.</p>	300,000.00
	<p>Allow for Contractor's profit and overheads (.....%)</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	K.SHS
	<p><u>SPECIAL PRELIMINARIES</u></p> <p>The procurement of the below items will be as instructed by the project manager</p> <p>A <u>5 No. Laptops</u></p> <p><u>MacBook Pro 15 inch with Retina display</u></p> <p>15.4 inch (Diagonal) LED- Backlit Retina display; 2.8GHz quad-core Intel core i7 processor; 16GB of 1600 MHz, DDR3L onboard memory, 512 GB Pcle-based flash storage, Intel Iris pro Graphline, AMD Radeon Rg M370X with 2 GB of GDDR5 memory and Aotomatic graphic switching and 1 year warranty</p> <p>Allow for Contractor's profit and overheads (.....%)</p> <p>B Provide Kenya Shillings Eight Hundred thousand (Kshs800,000.00) only for Training Public works Officers.</p> <p>Allow for Contractor's profit and overheads (.....%)</p> <p>C Provide Kenya Shillings Two Hundred thousand (Kshs200,000.00) only for Servicing and Maintaining HP DesignJet T2300 eMFP plotter in Public works Office.</p> <p>Allow for Contractor's profit and overheads (.....%)</p>	<p>2,100,000.00</p> <p>800,000.00</p> <p>200,000.00</p>
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
A	<p><u>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</u></p> <p>The following are the insertions to be made in the appendix to the Contract Agreement: -</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 ...78.. Weeks from date of Possession</p> <p>Liquidated and Ascertained At the rate of Kshs.. 20,000... per week or part thereof</p> <p>Prime cost sums for which</p> <p>The Contractor desires to tender</p> <p>Period of Interim Certificates Monthly</p> <p>Period of Honouring Certificates 30 days</p> <p>Percentage of Certified Value Retained 10%</p> <p>Limit of Retention Fund 10%</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	K.SHS
	<p><u>COLLECTION</u></p> <p>Brought forward from page PP/1</p> <p>Brought forward from page PP/2</p> <p>Brought forward from page PP/3</p> <p>Brought forward from page PP/4</p> <p>Brought forward from page PP/5</p> <p>Brought forward from page PP/6</p> <p>Brought forward from page PP/7</p> <p>Brought forward from page PP/8</p>	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	
<p>A.</p>	<p>GENERAL PRELIMINARIES</p> <p>PRICING ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</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>	
<p>B.</p>	<p>ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be all the requirements for the proper execution of the whole of the works in the Contract.</p> <p><i>C.M.</i> Shall mean cubicmetre</p> <p><i>S.M.</i> Shall mean squaremetre</p> <p><i>L.M.</i> Shall mean linearmetre</p> <p><i>MM</i> Shall mean Millimetre</p> <p><i>Kg.</i> Shall mean Kilogramme</p> <p><i>No.</i> Shall mean Number</p> <p><i>Prs.</i> Shall mean Pairs</p> <p><i>B.S.</i> - Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p><i>Ditto</i> - Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p><i>m.s.</i> Shall mean measured separately.</p> <p><i>a.b.d</i> Shall mean as before described.</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	
A.	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p><i>Attendance</i> ; 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><i>Fix Only</i>:-</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>EMPLOYER</p> <p>The "Employer" is PWANI UNIVERSITY</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p>	
C.	<p>PROJECT MANAGER</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>ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Architect- Kilifi county P.O. Box 409 Kilifi</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	
A	<p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Quantity Surveyor- Kilifi county P.O. Box 409 Kilifi</p>	
B	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Electrical Engineer- Kilifi county P.O. Box 409 Kilifi</p>	
C	<p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Mechanical Engineer- Kilifi county P.O. Box 409 Kilifi</p>	
D	<p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Structural Engineer - Kilifi county P.O. Box 409 Kilifi</p>	
E	<p>FORM OF CONTRACT</p> <p>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works(2000 Edition) included herein</p> <p>The Conditions of Contract are also included herein</p> <p><i>Conditions of Contract</i></p> <p>These are numbered from 1 to 37 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>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	
A	<p>BOND.</p> <p>The Contractor shall find and submit on the Form of Tender an approved bank who will be willing to be bound to the Government in an amount equal to 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>	
B	<p>PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>	
C	<p>TRANSPORT.</p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>	
D	<p>MATERIALS AND WORKMANSHIP.</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also ensure they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>	
E	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
A	<p>STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	
B	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads, Housing and Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	
C	<p>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>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>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
A	<p>SECURITY OF WORKS ETC. The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.</p>	
B	<p>PUBLIC AND PRIVATE ROADS. Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER</p>	
C	<p>EXISTING PROPERTY. The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER</p>	
D	<p>VISIT SITE AND EXAMINE DRAWINGS. The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	
E	<p>ACCESS TO SITE AND TEMPORARY ROADS. Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER The Contractor should also allow for relocating existing fence (approx. 30 metres long).</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	
A	<p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>	
B	<p>OFFICE ETC. FOR THE PROJECT MANAGER</p> <p>The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the standard type, complete with furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>	
C	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub--contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own</p>	
D	<p>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>	
	<i>Carried to collection</i>	

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

ITEM	DESCRIPTION	
A	<p>ADJUSTMENT OF P.C. SUMS. Ctd.....</p> <p>Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	
B	<p>ADJUSTMENT OF PROVISIONAL SUMS.</p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations, but should any part of the work be executed by a Nominated 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>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
D	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	
A	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC.</p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
B	<p>INSURANCE</p> <p>The Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>	
C	<p>PROVISIONAL WORK</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 left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER. Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>	
D	<p>ALTERATIONS TO BILLS, PRICING, ETC.</p> <p>Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>	
	<p><i>Carried to collection</i></p>	

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

ITEM	DESCRIPTION	
A.	<p>GENERAL SPECIFICATION.</p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads, Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
B.	<p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p>	
C.	<p>MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	
D.	<p>HOARDING</p> <p>The Contractor shall enclose all the site under construction with a hoarding 2400mm high consisting of iron sheets gauge 30 on 100 x 50 mm 2nd grade treated sawn cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm 2nd grade treated sawn cypress timber rails (Approximately 400 linear metres). 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>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of</p>	
	<p><i>Carried to collection</i></p>	

ITEM	DESCRIPTION	
	<u>COLLECTION</u>	
	Brought Forward From Page GP/ 1	
	Brought Forward From Page GP/ 2	
	Brought Forward From Page GP/ 3	
	Brought Forward From Page GP/ 4	
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	Brought Forward From Page GP/ 9	
	Brought Forward From Page GP/ 10	
	Brought Forward From Page GP/ 11	
	Brought Forward From Page GP/ 12	
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED ERECTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX FOR PWANI UNIVERSITY</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES (All provisional)</u>				
	<u>Site Preparation</u>				
A	Oversite excavation to remove top soil, cut shrubs, grab up roots and dispose away from site as directed by the Project Manager	3582	SM		
	<u>Trees</u>				
B	Cut trees, grub up roots and cart away as directed by the Project Manager. Girth 1200 mm girth	21	NO		
	<u>Excavation (Note that all excavations are measured nett and no allowance for working space provided)</u>				
D	Excavate to reduce levels not exceeding 1500 mm deep approximately 500 mm deep	791	CM		
E	Ditto for foundation trenches from reduced level : not exceeding 1.50 metres deep	1021	CM		
	Ditto but exceeding 1.50 m deep but not exceeding 3.0 m deep	1021	CM		
F	Ditto for column and column bases from reduced level not exceeding 1.50 metres deep	555	CM		
	Ditto but exceeding 1.50 m deep but not exceeding 3.0 m deep	555	CM		
G	Extra over all descriptions of excavations and removal from site for breaking up rocks: irrespective of class	200	CM		
	<u>Disposal of excavated material</u>				
H	Fillings around sub- walls: backfill and compact in 150 mm layers: selected excavated materials	925.5	CM		
I	Remove surplus spoil from site and deposit in spoil heaps and later spread on site as directed	1441.5	CM		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Planking and strutting</u>				
A	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials		ITEM		
	<u>Disposal of Water</u>				
B	Keep excavations free from all water including spring or running water.		ITEM		
	<u>Hardcore Filling</u>				
C	300mm Thick layer of imported hardcore filling including levelling and consolidating in 150mm layers	1874	CM		
D	Imported filling to make-up levels; compacted in layers not exceeding 150 mm thick	1874	CM		
	<u>Murram</u>				
E	50mm Thick Quarry dust blinding to the surface of hardcore rolled smooth to receive polythene sheeting	1249	SM		
	<u>Insecticide treatment</u>				
	<u>Premise SC or other equal and approved termiticide 0.5% solution to be applied at the rate of 4 litres per square metre on top of hardcore filling over foundation walls</u>				
F	To Quarry dust surface	1249	SM		
	<u>CONCRETE WORK</u>				
	<u>Insitu concrete mix (1:4:8): in</u>				
G	50 mm Blinding to strips	346	SM		
H	50 mm Blinding to column bases	371	SM		
	<u>Insitu concrete mix(1:2:4) grade 22 (20mm aggregate): vibrated: reinforced</u>				
I	Strip foundation	104	CM		
J	Column bases	199	CM		
L	Columns	41	CM		
M	Steps	14	CM		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Ramp	19	CM		
B	Ground beam	32	CM		
C	Thicknessing under concrete bed including hand packing hardcore to sloping sides average 600x300mm deep	108	LM		
D	150mm Thick ground floor slab	1249	SM		
	<u>Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks.</u>				
	<u>Ribbed bars to KS ISO 6935-2:2007</u>				
F	8mm diameter	7080	KG		
G	10mm diameter	6220	KG		
H	12mm diameter	5593	KG		
I	16mm diameter	8361	KG		
J	20mm diameter	14648	KG		
J	25mm diameter	9682	KG		
K	BRC Fabric mesh reinforcement Ref. A142; weighing 2.22kg per square metre(measured net no allowances made for laps) including bends tying wire and spacer blocks.	1249	SM		
	<u>Sawn formwork: to</u>				
L	Vertical: sides of foundations in trenches	340	SM		
M	Vertical: sides of column bases	348	SM		
N	Vertical: sides of columns	266	SM		
O	Vertical sides of ground beam	314	SM		
P	Edges: slab over 75 but not exceeding 150 mm wide	334	LM		
Q	Edges of steps 75m -150 mm high	42	LM		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WALLING</u> <u>Approved local stone; roughly squared; bedded and jointed in cement mortar 1:3</u>				
A	200mm thick walls reinforced with hoop iron at every alternate course	1415	SM		
	<u>DAMP PROOFING</u> <u>1000 Gauge polythene; 150mm laps; no allowances made for laps</u>				
B	Horizontal; over 300mm wide	1249	SM		
	<u>FINISHES</u>				
C	15mm Thick cement sand (1:3) rendering to plinth; wood float finish	167	SM		
D	Prepare and apply three coats of premium quality bituminous paint to rendered walls; externally	167	SM		
	<u>Paving slabs</u>				
E	Excavate oversite average 200mm deep and cart away where directed	420	sm		
F	Excavate trench for edge wall foundation average 600mm deep, part return fill and ram remainder cart away	121	cm		
G	Plain concrete (1:3:6) in strip foundation	40	cm		
H	200mm thick coral block edge walling in cement sand (1:3)mortar	201	sm		
I	300mm thick approved hardcore handpacked and compacted as before described	420	sm		
J	Treat hardcore surface and tops of walls with approved insecticide	420	sm		
K	600x600x50mm pre-cast concrete (1:2:4) paving slabs pointed in cement sand (1:3) mortar and laid on 50mm approved bed of sand.	420	sm		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	<u>SUBSTRUCTURE</u>				
	Brought forward from page BL/1				
	Brought forward from page BL/2				
	Brought forward from page BL/3				
	Brought forward from page BL/4				
TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>RC SUPERSTRUCTURE</u>				
	<u>Insitu concrete mix(1:2:4) grade 20 (20mm aggregate): vibrated: reinforced</u>				
A	Beams	245	CM		
B	Columns	220	CM		
C	Staircase	48	CM		
D	150 mm sloping Ramp	122	SM		
E	150mm thick suspended floor slab	2362	SM		
F	150mm thick suspended roof slab	1694	SM		
G	150mm thick suspended landings	24	SM		
H	Ditto but 150 mm thick duct cover	28	SM		
I	200mm thick walling	111	SM		
	<u>High yield square twisted bar reinforcement to B.S. 4461</u>				
J	8mm Ditto	16925	KG		
K	10mm Ditto	60814	KG		
L	12mm Ditto	11185	KG		
M	16mm Ditto	18588	KG		
N	20mm Ditto	29372	KG		
O	25mm Ditto	31222	KG		
	<u>Pre-cast concrete (1:2:4) sunshading slabs</u>				
P	150mm thick sun-shading walling/ slabs bedded and jointed in cement and sand (1:3) mortar and reinforced with 10 mm diameter twisted bars spaced at 200 mm centers both ways including all moulding, hoisting and placing all to approval.	225	sm		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Precast concrete (1:2:4) units Lintels</u> 225x225x100mm thick lintel reinforced with 10mm and 8mm diameter steel bars and including all necessary moulding, hoisting and placing all to approval.	108	lm		
	<u>Sawn formwork: to</u>				
B	Sides of Columns	2146	SM		
C	Sides of Circular Columns	85	SM		
D	Sides and soffits of beams	3128	SM		
E	Soffites of suspended floor slab	2362	SM		
F	Soffites of suspended roof slab	1694	SM		
G	Soffits of service duct covers	28	SM		
H	Sloping soffites of ramp	122	SM		
I	Soffites of landings	45	SM		
J	Sloping soffites of staircase	68	SM		
K	Extreme edges of staircase average 300mm wide with profile to treads and risers	112	LM		
L	Edges of suspended floor slab 75-150mm	1029	LM		
M	Ditto but curved and sloping edges of ramp	140	LM		
N	Risers 150mm high	200	LM		
O	Sides of walling	222	SM		
P	Soffites of Arches curved to any radius	68	LM		
Carried to collection					
	<u>COLLECTION</u> <u>RC SUPERSTRUCTURE</u> Brought forward from page BL/6 Brought down from page BL/7 above				
TOTAL FOR RC SUPERSTRUCTURE CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>EXTERNAL WALLS</u>				
	<u>NATURAL STONE WALLING</u>				
	<u>Approved natural stone; fine squared chisel dressed one side; bedded and jointed in cement mortar (1:3)</u>				
A	Walls 200 mm thick reinforced with and including 20sqx25mm wide hoop iron in every alternate course	1492	SM		
B	Ditto but parapet walling	281	SM		
C	Ditto but dwarf walling	261	SM		
D	Ditto but duct walling	110	SM		
	<u>Piers</u>				
E	500 x 400 mm coral block piers to Architects detail and approval	93	Im		
	<u>Bituminous or other equal approved damp-proof course; 3 ply membrane</u>				
F	Horizontal; 200mm wide under walls	316	LM		
	<u>METALWORK</u>				
	<u>25 x 25 x 3mm thick SHS Steel</u>				
G	Column 300mm high grouted to concrete at 500 mm centers including fish tailed lugs	1914	No		
	<u>100x50mmx3mmthickRHSSteel</u>				
H	Handrail butt welded to column studs	957	LM		
TOTAL EXTERNAL WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>INTERNAL WALLS</u>				
	<u>NATURAL STONE WALLING</u>				
	<u>Approved natural stone; roughly squared chisel dressed ; bedded and jointed in cement mortar (1:3)</u>				
A	Walls 200 mm thick reinforced with and including 20sqx25mm wide hoop iron in every alternate course	296	SM		
B	Ditto but 100 mm thick	393	SM		
	<u>Bituminous or other equal approved damp-proof course; 3 ply membrane</u>				
C	Horizontal; 200mm wide under walls	64	LM		
D	Horizontal; 100mm wide under walls	109	LM		
	<u>Striking guard rail</u>				
E	200 x 25 mm wrot mahogany twice moulded striking wall guard railing screwed to wall with 300 mm long counter sunk screw to Architect's design, detail and approval	398	LM		
F	Ditto but curved to any radius	72	LM		
	<u>Aluminium Framed Partition</u>				
G	Heavy duty natural powder coated aluminium framed partition comprising of 75x50x3mm RHS members, inclusive of interlocking beading, rubber and all other necessary accessories all to approval by the project manager	939	sm		
H	6mm thick clear glass fixed to aluminium frame with approved mastic beading.	469	sm		
I	One way decorative film as "Llumar" to be fixed to glazing by a specialist to manufacturer's specification	469	sm		
J	25 mm thick medium fibre board veneered both sides	470	sm		
TOTAL INTERNAL WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>FLAT ROOF AND RAINWATER DISPOSAL</u>				
	<u>Flat roof finishes</u>				
A	25mm thick waterproof screed consisting of cement and sand (1:3) complete with 200 x 200 x 25 mm thick burnt clay tiles laid to falls to flat roof all to approval	1694	SM		
B	50 x 50mm internal angle fillet	411	LM		
C	300 x 50 mm high precast concrete coping weathered and throated on both sides and jointed to wall in cement sand mortar 1:3 all to approval	450	LM		
D	Ditto but 500 x 500 mm pier coping	40	NO		
	<u>The following in 26 Gauge Galvanised mild steel sheeting</u>				
	<u>Rainwater Goods</u>				
E	Extra overforming 160mm diameter hole for down pipe	30	NO		
F	160mm downpipes in concrete columns to approval	360	LM		
G	Extra over downpipe for 160mm diameter anti splash shoe	30	NO		
H	Extra, 150mm flubora outlets including galvanised expanded metal mesh	30	NO		
I	450 mm girth flashing one end built in mortar in groove in wall and concrete roof and entire surface covered in mortar and screed	411	LM		
TOTAL FLAT ROOF FINISHES AND RAINWATER DISPOSAL CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT NO. 6</u> <u>WINDOWS</u></p> <p><u>Heavy Duty powder coated Aluminium windows to B.S. 4813 to be executed by an approved sub contractor</u></p> <p>The following in Heavy Duty Natural Anodised Aluminium windows from approved manufacturer(s) complete with 80x55x3 mm frames mullions trasomes railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips, couplings, ironmonger icluding hinges, fasteners and stays, sliding rails(where necessary) bars; panes left open for glazing to Architects detail</p>				
A	Window Size 3400x1800mm high with four slidings lights each size 850 x 1225 mm high, two fixed lights each size 850x575 mm high and two top hungs each size 850 x 575 mm high Ref: W1	22	NO		
B	Window Size 3000x1500mm high with four slidings lights each size 750 x 925 mm high, two fixed lights each size 750x575 mm high and two top hungs each size 750 x 575 mm high Ref: W2	13	NO		
C	Window Size 2000x1500mm high with two slidings lights each size 700 x 925 mm high, two fixed lights, one 600 x 925mm high, another 600 x 575mm high and two top hung each size 700 x 575 mm high Ref: W3	8	NO		
D	Window Size 1800x1800mm high with two slidings lights each size 900x 1225 mm high and two top hung each size 900 x 575 mm high Ref: W4	6	NO		
E	Window Size 4000x1200mm high with four slidings lights each size 800 x 1200 mm high and one fixed light 800 x 1200 mm high Ref: W5	6	NO		
F	Window Size 2600x600mm high with four top hung each size 650 x 600 mm high Ref: W6	12	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Window Size 1700x900mm high with two fixed lights each 570 x 900 mm high and one top hung size 560 x 900mm high Ref: W7	6	NO		
B	Window Size 2600x1500mm high with two slidings lights each size 870 x 925 mm high, two fixed lights, one 860 x 925mm high, another 860 x 575mm high and two top hung each 870 x 575 mm high Ref: W8	1	NO		
C	Window Size 2600x1500mm high with two slidings lights each size 870 x 1025 mm high, two fixed lights, one 860 x 1025mm high, another 860 x 475mm high and two top hung each size 870 x 475 mm high Ref: W9	4	NO		
D	Window Size 2600x1200mm high with two slidings lights each size 870 x 1200 mm high and one fixed light size 860 x 1200 mm high Ref: W10	2	NO		
E	Window Size 2600x1800mm high with two slidings lights each size 870 x 1225 mm high, two fixed lights, one 860 x 1225mm high, another 860 x 575mm high and two top hung each size 870 x 575 mm high Ref: W11	12	NO		
F	Window Size 1200x900mm high with two slidings lights each size 600 x 900 mm high Ref: W12	12	NO		
G	Window Size 750x600mm high with two slidings lights each size 375 x 600 mm high Ref: W13	0	NO		
H	Window Size 4200x1800mm high with four slidings lights each size 1050 x 1225 mm high, two fixed lights each size 1050 x 575 mm high and two top hungs each size 1050 x 575 mm high Ref: W14	8	NO		
I	Window Size 2000x1800mm high with two slidings lights each size 1000 x 1225 mm high and two top hung each size 1000 x 575 mm high Ref: W15	0	NO		
J	Window Size 1100x1800mm high with two fixed light size 1100 x 1225 mm high and one top hung size 1100 x 575 mm high Ref: W16	0	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Window Size 4200x1800mm high with four slidings lights each size 880 x 1225 mm high, two fixed lights one size 880 x 575 mm high, another size 880 x 1225mm high and four top hungs each size 880x575 mm high Ref: W17	11	NO		
B	Window Size 800x1800mm high with two fixed light size 800 x 1225 mm high and one top hung size 800x 575 mm high Ref: W18	1	NO		
	<u>Window cills</u>				
C	200x50mm pre-cast concrete window sill bedded and pointed in cement sand(1:3) mortar, weathred and throated all to Architects detail and approval	351	lm		
	<u>Glazing</u>				
	<u>Blue stopsolsheet glass and glazing with aluminium beadings.</u>				
D	6mm thick glass in panes (0.50-1.00m ²)	1061	sm		
E	Ditto but Sunblasted obscure glass panes	58	sm		
	<u>Window blinds</u>				
F	Supply and fix venetian blinds complete with tracks to the project manager's approval and as described (window size 3400x1800mm high)	22	No		
G	Window Size 4200x1800mm high	11	NO		
H	Ditto Window Size 2600x1800mm high ditto.	12	NO		
I	Ditto Window Size 4200x1800mm high ditto.	8	NO		
	Prepare and apply three coats high quality gloss paint to:				
J	Surfaces of window cill 200mm but not exceeding 300mm girth	351	lm		
	<u>Mahogany: selected and kept clean</u>				
K	145 x 20 mm Window board; plugged	351	LM		
L	35 x 35 mm decorated beading	351	LM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Burglar proofing grilles</u></p> <p>Mild steel grille framed with 16x 16x3mm thick RHS sections welded together at 200 mm centres bothways; including assembly and fixing to opening cutting and pinning lugs to concrete and bedding frame in cement and sand mortar (1:4)</p>	133	SM		
B	<p><u>Prepare and apply three coats premium quality gloss oil paint</u></p> <p>To burglar-proofing grilles; internally/externally</p>	266	SM		
	Carried to collection				
	<p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;"><u>WINDOWS</u></p> <p>Brought forward from page BL/11</p> <p>Brought forward from page BL/12</p> <p>Brought forward from page BL/13</p> <p>Brought down from page BL/14 above</p>				
	TOTAL WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>DOORS</u>				
	<u>Wrot Mahogany, or equal and approved Hardwood</u>				
A	45mm thick (finished) framed Eight (8) raised and fielded panels single leaf fan light door overall size 1000x2700mm overall, comprising of 125x50mm rebated top rail and twice rebated middle rail, 200x50mm rebated bottom rail, 125x50mm rebated stiles & mullions, panel filled with and including 25mm thick hardwood panels including 40x20mm moulded beading all finished for painting in clear varnish (m.s) and 1000 x 510 mm high fanlight in 6 mm thick toughened and laminated glass (m.s) Ref. D1	14	No		
B	Ditto but overall size 900 x 2700 mm high Ref. D2	31	No		
	<u>Flush doors</u>				
	<u>Solid core flush doors; finished with scratch proof mahogany laminate; hardwood lipped on all edges and to look like framed door; Complete with solid blocking for pressed ironmongery;</u>				
C	Single door; 45mm thick; Size 800x2100mm high Ref. D3	96	No		
	<u>Aluminium framed duct doors</u>				
D	50 mm thick Heavy duty Aluminium Louvered Double leaf Door overall size 950 x 2700mm high comprising 100 x 49.2 x 2.5mm thick top rail, 100 x 49.2 x 2.5mm thick bottom rail, mulion and stiles, 50 mm thick aluminium fixed louvers all to Architects detail and approval Ref. DD1	12	No		
E	Ditto but overall size 1150x2700 mm high Ref. DD3	6	No		
F	Ditto but overall size 1400x2700 mm high Ref. DD4	12	No		
G	Ditto but overall size 1850x2700 mm high Ref. DD5	6	No		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>Aluminium framed doors</u></p> <p><u>Supply and fix composite extruded natural anodised aluminium doors ; standard hollow or angle sections; frames mitred at corners including reinforcing cleats, glazing beads, sealing strips and all necessary ironmongery</u></p> <p><i>Fixing with aluminium screws; plugging or fixing to aluminium background, sealing with mastic, oiling and adjusting on completion</i></p>				
A	<p>Heavy duty Aluminium single leaf, single swing fanlight door overall size 900 x 2700mm high, comprising 100 x 49.2 x 2.5mm thick top rail, 100 x 49.2 x 2.5mm thick bottom rail, mullion and stiles, 19.4 x 16mm aluminium biddings and rubber gasket as necessary, including 900 x 600mm high fanlight finished in laminated and toughened glass (m.s) all to approval</p> <p><u>Glazing</u></p> <p>Clear sheet toughened laminated glass glazing</p>	42	NO		
B	6mm thick glass in panes (0.50-1.00m ²)	56	SM		
C	25mm thick medium fibre board veneered both sides	46	SM		
	<u>The following in wrot hardwood</u>				
D	200 x 50mm frame with two labours	765	LM		
E	200 x 50 mm Transome	69	LM		
F	50 x 25mm. Splayed architrave.	765	LM		
G	25 x 12m Glazing Bead	765	LM		
	<u>Glazing</u>				
H	6mm thick toughened, clear glass and glazing to timber with beads (m.s) in panes 0.10-0.50 S.M	26	SM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ironmongery</u>				
	<u>Supply and fix the following ironmongery from 'UNION' or other equal & approved manufacturer including all necessary matching screws.</u>				
A	5 - Lever Rebated mortice lock with aluminium furniture	10	NO		
B	5 - Lever cylinder lock with aluminium furniture	42	NO		
C	3 - Lever mortice lock with aluminium furniture	45	NO		
D	3 - Lever Rebated cylinder lock with aluminium furniture	48	NO		
E	2 - Lever mortice lock with aluminium furniture	96	NO		
F	Heavy duty double action hinges	12	PRS		
G	Aluminium D- handles	42	PRS		
H	100mm. Pressed aluminium butt hinges	212	PRS		
I	38mm. Diameter door stop on floor/ wall to approval	231	NO		
J	Heavy duty Door closer as Union to an approved sample	183	NO		
K	150 x 150mm Brass sex indicator plate	12	NO		
L	Coat and hat hook	42	NO		
	<u>Metal fixing cramps</u>				
M	30 x 3mm. Approved door cramps 250mm. Long once bent one end drilled and screwed to wood	846	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Painting and Decoration</u>				
	<u>Prepare and apply three coats of premium quality clear varnish; Matt quality to:-</u>				
A	General surfaces of wood exceeding 200mm but not exceeding 300mm girth	834	LM		
B	Ditto; girth not exceeding 100mm	1530	LM		
C	Doors both internally and externally	275	SM		
	<u>Prepare and apply one coat aluminium primer before fixing: to backing of wood</u>				
D	Surfaces over 200 but not exceeding 300mm	834	LM		
E	Surfaces not exceeding 100mm	1530	LM		
	Carried to collection				
	<u>COLLECTION</u> <u>DOORS</u> Brought forward from page BL/15 Brought forward from page BL/16 Brought forward from page BL/17 Brought down from page BL/18 above				
TOTAL FOR DOORS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 8</u>				
	<u>BALUSTRADES & RAILINGS (All Provisional)</u>				
	<u>BALUSTRADES (PROVISIONAL)</u>				
	<u>Handrail -Mild Steel</u>				
A	100 x 50 x 3 mm mild steel butt welded to 25 x 25 x 3 mm mild steel SHS balusters (m.s) grouted to wall/ dwarf walling	842	LM		
B	Ditto but curved to any radius	72	LM		
C	Extra over ditto for rounded edge	10	NO		
D	EXtra over ditto for mitred angles	10	NO		
	<u>Metal Work</u>				
E	25 x 25 x 3 mm d mild steel SHS tubes 250mm long, one end welded to 50 mm handrail (m.s) including fish tailed lugs to mortice in concrete spaced at 500 mm centers all to approval	1,404	NO		
F	25 x 25 x 3 mm d mild steel SHS tubes 950mm long, one end welded to 50 mm handrail (m.s) including fish tailed lugs to mortice in concrete all to approval	160	NO		
	<u>Prepare and apply three coats premium quality gloss oil paint</u>				
G	To metal surfaces 200-300 mm girth	914	LM		
H	Ditto but not exceeding 100 mm girth	420	LM		
TOTAL FOR BALUSTRADES & RAILING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 9</u>				
	<u>FIXTURES AND FITTINGS:-(PROVISIONAL)</u>				
	<u>Worktop</u>				
A	Plain concrete (1:3:6) in plinth	48	SM		
B	Reinforced concrete (1:2:4) in 100mm worktops	48	SM		
C	Reinforced concrete (1:2:4) in 100mm sitting benches	27	SM		
	<u>Formwork to:-</u>				
D	Soffites of worktops	48	SM		
E	Soffites of sitting benches	48	SM		
F	Edges of worktops 75-150mm high	36	LM		
G	Edges of Sitting benches 75-150mm high	94	LM		
H	10mm diameter high yield reinforcement bars	1050	KG		
I	100mm thick coral block walling in cement/sand 1:3 mortar	61	SM		
J	15mm thick cement sand (1:3) plaster of worktop	96	SM		
K	Ditto walls	122	SM		
L	20mm thick polished Granite on surfaces of counter with ground edges to approval	48	SM		
M	25 x 15mm aluminium bearers	28	LM		
N	25mm meru oak veneered MDF Board shelves	20	SM		
O	75 x 50 wrot planed cypress members	108	LM		
P	Ditto but plugged	54	LM		
	<u>"SAJ" & R.A.K. CERAMIC WALL TILES</u>				
Q	6mm thick white tiles size 200 x 250mm	52	SM		
R	Extra over ditto for rounded edges	37	LM		
	TOTAL OF FIXTURES AND FITTINGS, CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.10</u>				
	<u>INTERNAL FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Screed: cement and sand 1:3 with approved integral dust proofing additive wood floated.</u>				
A	32 mm thick to receive polished matt finished porcelain tiles (m.s)	100	SM		
B	32 mm Thick to receive ceramic floor tiles(m.s)	3611	SM		
	<u>CERAMIC TILES</u>				
C	300x300x10m Thick non-slip Ceramic tiles to architects approval fixed with tile adhesive to approval	3611	SM		
	<u>Polished Porcelain Tiles</u>				
D	600x600x10mm thick polished porcelain tiles to architect's approval and fixed with tile adhesive to approval.	100	SM		
	<u>Skirting</u>				
E	100x10mm thick ceramic tile skirting with colour to match floor finish	1648	LM		
F	100 x 10mm Porcelain tiles skirting	10	LM		
	<u>Polished Terrazzo paving</u>				
G	38mm thick (24mm cement+sand backing & 15mm thick terrazzo layer) including rough and smooth sanding and polishing with acid to Landing approval	24	SM		
H	Ditto but to 300 mm wide treads	196	LM		
I	Ditto but to 150 mm high risers	200	LM		
J	20 x 100mm ditto skirting	112	LM		
K	25mm wide Slip-resistant Carborandum inserts on Terrazzo treads bonded with an approved adhesive	200	LM		
	<u>Plastic dividing strips</u>				
L	32 x 3mm thick plastic dividing strips	2,400	LM		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Ramp finishes</u> 38mm thick (24mm cement+sand backing & 15mm thick Rustic terrazzo layer (To be uniformly textured) to sloping ramp all to approval	122	SM		
B	50 mm wide Slip-resistant Carborandum inserts spaced at 450mm centers on Terrazzo sloping ramp bonded with an approved adhesive	144	LM		
	<u>Wall finishes</u> <u>12mm thick two coat gauged cement lime and sand (1:2:9) plaster steel trowelled smooth to:-</u>				
C	Walls	3368	SM		
D	Columns	1073	SM		
E	Beams	2608	SM		
F	100 mm wide Window reveals	1286	LM		
	<u>Backing; cement and sand 1:3 with approved integral dust proofing additive wood floated.</u>				
G	15 mm thick to receive ceramic tiles	1024	SM		
	<u>Glazed wall tiles, local approved colour; glazed; to regular pattern bedding and jointing in cement mortar (1:3). Grouting joints with matching colour cement</u>				
H	200x300x6mm glazed ceramic tiles to wall surfaces	1024	SM		
I	PVC Edgings	79	LM		
	<u>Painting and decoaration</u> <u>Prepare and apply three coats PVA based premium quality silk vinyl emulsion paint or other equal and approved to:-</u>				
J	Plastered wall surfaces	3368	SM		
K	Beams	2608	SM		
L	Columns	1073	SM		
M	100 mm wide Windows reavels	1286	LM		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ceiling finishes</u>				
	<u>15 mm Thick Internal cement sand (1:3) gauged plaster as described to:</u>				
A	Soffits of concrete slab	5305	SM		
B	Sloping Soffits of staircase	68	SM		
C	Sloping Soffits of ramp	122	SM		
	<u>Wrot Prime Grade mahogany</u>				
D	100x25mm Cornice with 3 no. Moulded labours	50	LM		
	<u>PAINTING AND DECORATING</u>				
E	Soffits of concrete slab three coats of premium quality emulsion paint	5305	SM		
	<u>Prepare and apply three coats of premium quality emulsion to:-</u>				
F	Plastered concrete soffits	5305	SM		
G	Sloping soffits of stairs	68	SM		
H	Sloping Soffits of ramp	122	SM		
Carried to collection					
	<u>INTERNAL FINISHES</u>				
	<u>COLLECTION</u>				
	Brought forward from page BL/21				
	Brought forward from page BL/22				
	Brought down from page BL/23 above				
TOTAL FOR INTERNAL FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.11</u>				
	<u>EXTERNAL FINISHES</u>				
	Wall Finishes				
A	15mm Thick cement sand (1:3) rendering to wall;	2054	SM		
B	Ditto to columns	1073	SM		
C	Ditto to beams	1304	SM		
D	Ditto: Windows reveals	1810	LM		
E	12 mm thick Mortar 1:3 to receive natural river rock pebble cladding (ms)	498	SM		
F	Ditto but to receive Cut Stone cladding (ms)	150	SM		
	<u>Cladding</u>				
G	Carefully selected colourful polished natural river rock pebbles cladding in 1:2 cement sand mortar on wall surfaces to Architects detail and approval (Note: Pebble size should be between 25 mm and 37 mm thick and a maximum width of 50 mm on either side)	498	SM		
H	25mm thick Dressed Coloured cut stone cladding to walls (Ground Floor external wall surfaces) jointed in mortar to approval	150	SM		
	<u>Wall finishes (Athi river MINING {PRODUCTS}) Cement based coating system</u>				
I	Wallmaster Bayramix rendering externally ; Micro texture	2054	sm		
	<u>Prepare and apply one undercoat and two finishing coats super gloss oil Anti- Bacterial paint or other equal and approved to :-</u>				
J	Ditto: Columns	1073	SM		
K	Ditto: Beams	1304	SM		
L	Rendered wall surfaces	2054	SM		
M	Window reveals	1810	LM		
Carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Floor Finishes</u>				
A	25mm thick cement and sand (1:3) screed to receive concrete tiles (m/s)	122	SM		
	<u>Concrete tiles as described in :-</u>				
B	18mm Thick precast textured concrete tiles to sloping surfaces of ramp grouted in cement sand mortar 1:3 all to Architects detail and approval	122	SM		
Carried to collection					
<p><u>EXTERNAL FINISHES</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from page BL/24</p> <p>Brought down from page BL/25 above</p>					
TOTAL FOR EXTERNAL FINISHES CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX- PHASE 1 FOR PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX- PHASE 1 FOR PWANI UNIVERSITY</u> <u>SUMMARY</u>				
1	SUBSTRUCTURES				
2	R.C SUPERSTRUCTURE				
3	EXTERNAL WALLS				
4	INTERNAL WALLS				
5	ROOF AND RAINWATER DISPOSAL				
6	WINDOWS				
7	DOORS				
8	BALUSTRADES & RAILINGS				
9	FIXTURES AND FITTINGS				
10	INTERNAL FINISHES				
11	EXTERNAL FINISHES				
TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PUMP HOUSE</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURE (ALL PROVISIONAL)</u>				
A	Clear site of all bushes, grass, weeds, small trees, and the like and dispose as directed by the Project manager	20	sm		
	<u>EXACAVATIONS</u>				
B	Excavate oversite depth not exceeding 150mm from ground level and cart away to tip.	18	sm		
C	Excavate trench for strip foundation not exceeding 1.50metre deep from stripped level	12	cm		
D	Ditto column bases ditto	2	cm		
E	Extra over for excavating in rock	3	cm		
F	Return fill ram selected, excavated material around foundation	7	cm		
G	Cart away surplus excavated material from site.	5	cm		
H	Allow for keeping excavations free from water.	1	item		
I	Provide for planking and strutting sides of excavations	1	item		
	<u>HARD-CORE</u>				
J	Approved hardcore filling well watered and compacted in layers of 150mm thick	4	cm		
K	50 mm thick approved murrum blinding to hardcore to receive paving slabs	12	sm		
L	Treat hardcore surface and tops of walls with approved insecticide	14	sm		
	<u>PLAIN CONCRETE (1:4:8) IN:-</u>				
M	50mm blinding under strip foundation.	9	sm		
N	Ditto column bases ditto	1	sm		
Carried to collection					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Insitu concrete mix(1:2:4) grade 20 (20mm aggregate): vibrated: reinforced</u>				
A	Strip foundation	2	cm		
B	Ditto column bases	1	cm		
C	Ditto column	1	cm		
D	150 mm surface bed	14	sm		
	<u>SAWN FORMWORK TO:-</u>				
E	Sides of strip foundations	6	sm		
F	Sides of column bases	3	sm		
G	Sides of column	4	sm		
H	Edges of slab girth 150mm	15	lm		
	<u>Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks.</u>				
	<u>Ribbed bars to KS ISO 6935-2:2007</u>				
I	8 mm ditto	28	kg		
J	10 mm ditto	31	kg		
K	12mm ditto	35	kg		
L	BRC fabric Mesh reinforcement Type A-142 in surface bed	14	sm		
	<u>FOUNDATION WALLING:-</u>				
M	200 mm Thick machine cut coral block walling in cement mortar (1:3) reinforced every alternate course with hoop iron	15	sm		
	<u>DAMP PROOFING:-</u>				
N	500 gauge polythene sheet damp proof membrane including 300 mm side and end laps	14	sm		
O	200mm wide Hessian based bituminous felt damp proof course including 150mm laps.	15	lm		
Carried to collection					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>PLINTH</u> 15 mm Thick cement sand (1:3) rendering on plinth walls	4	sm		
B	Prepare and apply undercoat and two coats first quality bitumastic paint on plinth walls	4	sm		
C	<u>Paving slabs</u> Excavate oversite average 200mm deep and cart away where directed	11	sm		
D	Excavate trench for edge wall foundation average 600mm deep, part return fill and ram remainder cart away	7	cm		
E	Plain concrete (1:3:6) in strip foundation	2	cm		
F	150mm thick coral block edge walling in cement sand (1:3)mortar	12	sm		
G	300mm thick approved hardcore handpacked and compacted as before described	11	sm		
H	Treat hardcore surface and tops of walls with approved insecticide	11	sm		
I	600x600x50mm pre-cast concrete (1:2:4) paving slabs pointed in cement sand (1:3) mortar and laid on 50mm approved bed of sand.	11	sm		
Carried to collection					
	<u>COLLECTION</u> <u>SUBSTRUCTURE</u> Brought forward from page PH/1 Brought forward from page PH/2 Brought down from page PH/3 above				
TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	<u>(ALL PROVISIONAL)</u>				
	<u>Vibrated Reinforced concrete 1:2:4 in</u>				
A	Beams	1	cm		
B	Columns	1	cm		
C	200mm thick suspended sloping roof slab	36	sm		
	<u>Sawn formwork to -:</u>				
D	Sides and soffites of beams	12	sm		
E	Sides of columns	8	sm		
F	Sloping soffites of slab.	36	sm		
G	Edges of suspended sloping slab girth 150-2250mm	12	lm		
	<u>Reinforcements</u>				
	<u>Steel reinforcement as described including cutting to length,bending,hoisting and fixing including all necessary tying wires and spacing blocks.</u>				
	<u>Ribbed bars to KS ISO 6935-2:2007</u>				
H	8mm.bars	650	kg		
I	12mm.bars	179	kg		
J	16mm.bars	520	kg		
TOTAL FOR SUPERSTRUCTURE CONCRETE SUPERSTUCURE CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.3</u>				
	<u>WALLING</u>				
	<u>Machine cut coral block walling in cement and sand (1:3) mortar reinforced with and including 25x3mm thick hoop iron in every alternative course.</u>				
A	200mm. Thick walling externally	22	sm		
	<u>Pre-cast concrete (1:2:4) louvred ventilation blocks</u>				
B	150mm thick block walling bedded and jointed in cement and sand (1:3) mortar and reinforced every alternate course with hoop iron.	11	sm		
TOTAL FOR WALLING CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	ROOFING				
	<u>Roof finishes</u>				
A	38mm thick waterproof cement and sand (1:3) roof screed laid to falls to receive clay tiles (M/S)	36	SM		
B	300 x 250mm quarry clay tiles bedded and jointed in waterproof cement and sand (1:3) mortar.	36	SM		
TOTAL FOR ROOFING CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 5</u>				
	<u>DOORS (ALL PROVISIONAL)</u>				
	<u>Wrot Camphor/Mahogany, or equal and approved Hardwood</u>				
A	45mm thick (finished) framed four (4) panel doors size 900x2100mm overall, each leaf 900x2100mm high comprising of 150x45mm rebated top rail and twice rebated middle rail, 200x45mm rebated bottom rail, panel filled with and including 25mm thick hardwood panels including 40x20mm moulded beading all finished for painting.	1	No		
	<u>FRAMES (Wrot Camphor, or equal and approved Hardwood)</u>				
B	150x50mm. rebated frame plugged	6	lm		
C	45 x 20mm architrave with two labours	6	LM		
D	25mm quadrant moulds	6	LM		
	<u>Ironmongery</u>				
E	100mm brass butt hinges	1.5	Prs		
F	Supply and fix three lever union mortice lock complete with furniture.	1	No.		
G	Rubber door stop fixed to concrete floor with rawl bolt.	1	No.		
	<u>MILD-STEEL DOORS</u>				
H	3mm thick mild steel louvred vent double door size 5000mm wide x 2700mm high overall, each leaf 1400x2100mm high comprising of 75x50x3mm R.H.S framing and middle rail, 50x25x3mm vertical members at 600mm centres, panels filled with and including 600x150x3mm mild steel louvred vents complete with 100x50mm RHS frames pinned with lugs to concrete or block work complete with hinges, tower and barrel bolt all ready for painting	1	No.		
Carried to collection					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Painting and Decorations.</u>				
A	Prepare and apply three coats gloss paint to general surfaces of woodwork	4	sm		
B	Ditto girth 200-300mm.	6	lm		
C	Ditto girth not exceeding 100mm.	12	lm		
D	Prime back of timber before fixing girth 100-200mm.	6	lm		
E	Prime back of timber before fixing girth not exceeding 100mm.	12	lm		
Carried to collection					
	<u>DOORS</u> Brought forward from page PH/7 Brought down from page PH/8 above				
TOTAL FOR DOORS CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 6</u>				
	<u>FINISHES- (PROVISIONAL)</u>				
	<u>WALL FINISHES</u>				
	Cement and sand (1:3) in-				
A	12mm thick plaster steel trowelld on concrete /coral blockwalls	68	sm		
	<u>FLOOR FINISHES</u>				
	<u>Cement and sand (1:3) in:-</u>				
B	40mm thick pavings steel trowelled.	11	sm		
	<u>CEILING FINISHES</u>				
	<u>Cement and sand (1:3) in-</u>				
C	12mm thick cement and sand (1:4) plaster to concrete ceilings.	26	sm		
TOTAL FOR FINISHES CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 7</u>				
	<u>PAINTING AND DECORATIONS (PROVISIONAL)</u>				
	<u>Prepare and apply three coats plastic emulsion paint to</u>				
	<u>to</u>				
A	Plastered walls	63	sm		
B	Ditto soffites of concrete ceiling .	36	sm		
TOTAL FOR PAINTING AND DECORATION CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX PHASE I FOR
PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY PAGE-PUMP HOUSE</u>				
1	Substructure--				
2	Superstructure Concrete				
3	Walling				
4	Roofing				
5	Doors				
6	Finishes				
7	Painting and Decorations				
	TOTAL FOR PUMP HOUSE CARRIED TO GRAND SUMMARY PAGE				

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX- PHASE 1 FOR PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>PRIME COSTS & PROVISIONAL SUMS</u>				
	<u>PRIME COST SUMS</u>				
A	Provide a prime cost sum of Kenya shillings Nine million Five Hundred Thousand (kshs.9,500,000.00/) only for Electrical Installation works to be Deducted in whole or in part as directed by the Project Manager.				9,500,000
	Add profit %				
	Add Attendance (sum)				
B	Provide a prime cost sum of Kenya shillings Twenty Seven Million (kshs.27,000,000/) only for internal plumbing, Sanitary Fitting, Booster Pumps , Water Reticulation and Fire Protection Services to be Deducted in whole or in part as directed by the Project Manager.				27,000,000
	Add profit %				
	Add Attendance (sum)				
C	Provide a prime cost sum of Kenya shillings One million (kshs.1,000,000/) only for fitting out Archeology Laboratory to be Deducted in whole or in part as directed by the Project Manager.				1,000,000
	Add profit %				
	Add Attendance (sum)				
Carried to collection					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX- PHASE 1 FOR PWANI UNIVERSITY

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<p><u>PROVISIONAL SUMS</u></p> <p>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</p>				
A	Allow a provisional sum of Kenya Eight hundred thousand (800,000.00) only for Builder's works in connection to Specialised Works		ITEM		800,000.00
B	Allow a provisional sum of Kenya shillings Ten million (10,000,000.00) only for Contingencies		ITEM		10,000,000.00
C	Allow a provisional sum of Kenya shillings Ten Million Thousand (5,000,000.00) only for Fluctuations		ITEM		5,000,000.00
Carried to collection					
	<p style="text-align: center;"><u>PRIME COSTS & PROVISIONAL SUMS</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;">Brought forward from Page PS/1</p> <p style="text-align: center;">Brought down from above</p>				
TOTAL FOR PRIME COSTS AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY					

PROPOSED CONSTRUCTION AND COMPLETION OF SCHOOL OF HUMANITIES COMPLEX- PHASE 1 FOR PWANI UNIVERSITY

GRAND SUMMARY

ITEM	DESCRIPTION	FOR OFFICIAL USE ONLY	FOR TENDERER USE ONLY
		K.SHS.	K.SHS.
A	Particular Preliminaries		
B	General Preliminaries		
C	Builder's Works		
D	Pump House		
E	Prime Cost and Provisional Sums		
	SUB-TOTAL		
	Add 16% V.A.T.		
	TOTAL CARRIED TO FORM OF TENDER		

Amount in words. Kenya shillings

.....

.....Cents

Tenderer's Signature and stamp.....

Address

.....

Date

Witness Signature

Address

.....

Date