REPUBLIC OF KENYA

MANDERA COUNTY GOVERNMENT

PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY

IN

MANDERA COUNTY

TENDER DOCUMENTS

TENDER NO: ..... MCG/OT/63/2020-2021 .....

IFMIS NEGOTIATION NUMBER: 853386

FEBRUARY 2021

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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 (e.g. Buildings, Roads, Bridges, Repairs and Maintenance) which the procuring entity considers to be small and where it is not required to be open tendering.

1.2 The following guidelines should be observed when using the document:-

(a) Specific details should be furnished in the tender notice 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 a amendments to these parts should be made through Appendix to instructions to tenderers and special conditions of contract respectively.

1.3 (a) 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

I. 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 tender document should be modified to include:-

II. Tender number.
III. Tender name.
IV. Name of procuring entity.
V. Delete name and address of PPOA.

SECTION I
INVITATION FOR TENDERS

Tender reference no. : **MCG/OT/63/2020-2021**

Tender Name: PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY

The Mandera *County Government* invites sealed PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY candidates may obtain further information from the office of the director supply chain management services at the county treasury during normal working hours and via email on supplychain@mandera.go.ke.

1.2 Invitation to tender containing detailed information, tenders number and negotiation numbers and the tender documents can be downloaded free of charge at the county's website **www.mandera.go.ke.** which can also be accessed from supplier's portal

1.3 Completed set of tender documents shall be scanned and submitted electronically through IFMIS SUPPLIER PORTAL at supplier.treasury.go.ke using the specific IFMIS negotiation number provided in the tender documents as per the requirements contained in the tender documents so as to be received on or before **Tuesday 9th March 2021 at 10:00 am**

1.4 Bidders must upload a copy of original bid security to the ifmis portal and deliver ORIGINAL bid security to the office of the director supply chain management.

NOTE: The system will automatically close at the time and date of tender closing specified on the IFMIS portal and tender documents. The system does not have provisions for late submission.

MANUAL SUBMISSIONS WILL NOT BE ACCEPTED, all tenders must be submitted through IFMIS PORTAL

All bidders are advised to regularly check the county's website during the bidding period,

Director of Supply Chain Management services
FOR: COUNTY CHIEF OFFICER MEDICAL SERVICES

SECTION II

INSTRUCTIONS TO TENDERERS

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INSTRUCTIONS TO TENDERERS.

1. General

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 said Appendix.

1.2 Tenderers shall include the following information and documents with their tenders, unless otherwise stated:

(a) copies of certificates of registration, and principal place of business;
(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 clients who may be contacted for further information on these contracts;
(d) major items of construction equipment owned;
(e) qualifications and experience of key site management and technical personnel proposed for the Contract;
(f) reports on the financial standing of the Tenderer, such as profit and loss statements and auditor's reports for the last five years;
(g) authority to seek references from the Tenderer's bankers.

1.3 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.

1.4 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.

1.5 The procurement entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.

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

1.7 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 here below and any addenda issued in accordance with clause 2.4 Here below:-

(a) These instructions to Tenderers
(b) Form of Tender
(c) Conditions of Contract and Appendix to Conditions of Contract
(d) Specifications
(e) Drawings
(f) Bills of Quantities/Schedule of Rates (whichever is applicable)
(g) Other materials required to be filled and submitted in accordance with these Instructions and Conditions

2.2 The Tenderer shall examine all instructions, forms and specifications in the tender documents. Failure to furnish all information required by the tender documents may result in rejection of his tender.

2.3 A prospective Tenderer making inquiries of the tendering 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 respond to any request for clarification received earlier than seven [7] 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) The Tender;

(b) Tender Security;

(c) Priced Bill of Quantities/Schedule of Rates for lump-sum Contracts

(d) Any other materials required to be completed and submitted by Tenderers.

3.3 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities/Schedule of Rates. 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/Schedule of Rates. All duties, taxes and other levies payable by the Contractor under 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 not be subject to any adjustment during the performance of the 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.

3.7 The Tenderer shall prepare one original and a copy of the documents comprising the tender documents as described in these Instructions to Tenderers.

3.8 The original shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. All pages of the tender where alterations or additions have been made shall be initialed by the person or persons signing the tender.

3.9 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.

3.10 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.

4. Submission of Tenders

4.1 The tender duly filled and sealed in an envelope 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.

4.3 The tenderer shall not submit any alternative offers unless they are specifically required in the tender documents.

Only one tender may be submitted by each tenderer. Any tenderer who fails to comply with this requirement will be disqualified.

4.4 Any tender received after the deadline for opening tenders will be returned to the tenderer un-opened.

4.5 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.

5. Tender Opening and Evaluation

5.1 The tenders will be opened in the presence of the Tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender.

5.2 The Tenderers' names, the total amount of each tender and such other details as may be considered appropriate, will be announced at the opening by the Employer . Minutes of the tender opening, including the information disclosed to those present will also be prepared by the Employer.

5.3 Information relating to the examination, clarification, evaluation and comparison of tenders and recommendations for the award of the 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 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's representative, 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/Quotation, 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 forfeited.

5.5 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.

5.6 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)

5.7 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.

5.8 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request. Preference where allowed in

the evaluation of tenders shall not exceed 15%

5.9 To assist in the examination, evaluation, and comparison of tenders, the Employer at his discretion, may request [in writing] 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 tender price or substance of the tender shall be sought, offered or permitted.

5.10 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.

6. Award of Contract

6.1 The award of the Contract will be made to the Tenderer who has offered the lowest evaluated tender price.

6.2 Notwithstanding the provisions of 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” which 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. The contract shall be formed on the parties signing the contract. At the same time the other tenderers shall be informed that their tenders have not been successful.

6.4 The Contract Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be signed by the Employer and sent to the successful Tenderer, within 30 days following the notification of award. Within 21 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 amount

stipulated in the Appendix to Conditions of Contract.

6.6 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.

6.7 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.

6.8 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.

7. Corrupt and fraudulent practices

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

7.2 The procuring entity will reject a tender if it determines that the tenderer recommended for award has engaged in corrupt and fraudulent practices in competing for the contract in question.

7.3 Further a tenderer who is found to have indulged in corrupt and fraudulent practices risks being debarred from participating in public procurement in Kenya.

Appendix to Instructions to Tenderers

Notes on the Appendix to the Instruction to Tenderers

1. The Appendix to instructions to tenderers is intended to assist the procuring entity in providing specific information in relation to the corresponding clause in the instructions to Tenderers and has to be prepared for each specific procurement.

2. The procuring entity should specify in the appendix information and requirements specific to the circumstances of the procuring entity, the goods to be procured and the tender evaluation criteria that will apply to the tenders.

3. In preparing the Appendix the following aspects should be taken into consideration;

   (a) The information that specifies and complements provisions of Instruction to tenderers to be incorporated

   (b) Amendments and/or supplements if any, to provisions of Section 2.0 as necessitated by the circumstances of the goods to be procured to be also incorporated

4. Section II should remain unchanged and can only be amended through the Appendix.

5. Clauses to be included in this part must be consistent with the public procurement law and the regulations.

Appendix to Instructions to Tenderers/General information

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

INSTRUCTIONS TO TENDERERS REFERENCE	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	The bidders shall submit their bid through ifmis supplier portal by the negotiations numbers attached to the tender document on or before **Tuesday 9th March 2021** at 10.00 Am
	The bidder shall submit a minimum Bid Security (2% of tender sum from a reputable bank or insurance firm)
	Bidders who do not submit their bids through ifmis portal will be not be considered for evaluation of the bids.

EVALUATION AND COMPARISON OF TENDERS

Evaluation and comparison of Tenders: the following evaluation criteria shall be applied not withstanding any other requirement in the tender documents.

a) Mandatory requirements(MR)

The following requirements must be met by the tenderer failure to which the bid will be eliminated from further evaluation.

PRELIMINARY EVALUATION CRITERIA

S/No	REQUIREMENTS	Score Mandatory	B1	B2	B3	B4	B5	B6	B7	B8
1	Dully filled and stamped confidential business questionnaire	**Mandatory (Yes/No)**								
2	Form of tender duly filled, signed and stamped	**Mandatory (Yes/No)**								
3	The form of power of attorney shall be duly filled, signed and stamped	**Mandatory (Yes/No)**								
4	Bid Security (2% of tender sum from a reputable bank or insurance firm)	**Mandatory (Yes/No)**								
5	Must submit a self-declaration that the person/ tenderer will not engage in any corrupt or fraudulent practice.	**Mandatory (Yes/No)**								
6	Must submit a self-declaration that the person/ tenderer/firm is not debarred	**Mandatory (Yes/No)**								

	in the matter of the Public Procurement and asset Disposal Act 2015.									
7	Valid current year business permits certified by commissioner of oaths/advocates	**Mandatory (Yes/No)**								
8	Valid current year tax compliance certificate certified by commissioner of oaths /advocates.	**Mandatory (Yes/No)**								
9	Certificate of incorporation certified by commissioner of oaths/advocates.	**Mandatory (Yes/No)**								
10	PIN/VAT certificate from KRA certified by commissioner of oaths/advocates	**Mandatory (Yes/No)**								
11	Certificate of Registration and current valid practicing license with National construction authority for building works NCA 6 and Above certified by commissioner of oaths/advocates	**Mandatory (Yes/No)**								
12	CR 12 form certified by commissioner of oaths/advocates	**Mandatory (Yes/No)**								
13	Submitted original bid security in hard copy	**Mandatory (Yes/No)**								

KEY
Bidder 1: B1
Bidder 2: B2
Bidder 3: B3
Bidder 4: B4
Bidder 5: B5
Bidder 6: B6
Bidder 7: B7
Bidder 8: B8

NB: At this stage, the tender's submission will either be responsive or non-responsive. The non-responsive submission will be eliminated from the entire evaluation process and will not be considered further.

TECHNICAL EVALUATION CRITERIA SUMMARY

No.	REQUIREMENTS								
A. Personnel (Must attach CV and copy of certificates)		**Score card 70)**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**
1.	One Site Agent / Contract manager (Registered Civil Engineer/QS) ➢ **Degree and registered with the relevant professional body supported by CV showing current position-3 marks** ➢ **Degree only supported with CV showing current position-2 marks** ➢ **Degree only-1 mark**	**3 Marks**								
2.	Environment officer at least bachelor degree in environmental science or equivalent (registered with NEMA) ➢ **Degree and registration with nema supported by CV showing current position -3 marks** ➢ **Degree only supported with CV showing current position-2 marks** ➢ **Degree only-1 mark**	**3 Marks**								
3.	2No inspector of building works (must be holders of at least diploma/HND in civil engineering or equivalent) ➢ **Diploma supported by CV showing current position-2 marks for each inspector** ➢ **Diploma not supported by CV current position-1 mark each**	**4 Marks**								
4.	Bidders attach valid proof of at least three similar projects (building/fencing works project) of similar magnitude undertaken in the last five years. ➢ **Similar project of similar magnitude undertaken in the**	**12 Marks**								

	last 5 years-4 marks each ➢ **Similar project half the magnitude of the project undertaken in the last 5 years - 2 marks each** ➢ **Less than half the magnitude of the project undertaken in the last 5 years -0 mark**									
5.	Bidders shall attach audited financial reports for the last two years (2019,2018) signed and stamped where applicable and certified by registered Certified public account ➢ **Audited financial reports, signed, stamped and certified as required-5 marks each** ➢ **Audited financial report signed and stamped but not certified(incomplete)-2 marks each** ➢ **Audited financial reports not signed, stamped and certified-0 mark**	**10 Marks**								
6.	Completed tender document with bill of quantities duly filled, signed and stamped where applicable. ➢ **Completed tender document as required-20 marks** ➢ **Tender document with bill of quantities but not duly filled, signed and stamped as required-15marks** ➢ **Duly filled signed and stamped Bill of quantities only without the tender document-10 marks** ➢ **Tender document without BQ only-5**	**20 Marks**								
7	Attach proof of ownership/lease of equipment Attach log books for ➢ **2no pick up,2 marks** ➢ **2no water boozer,2marks** ➢ **2no concrete mixer-2 marks**	**12 Marks**								

	➢ **1no vibrator-1mark** ➢ **1 no wheel loader, 1 mark** ➢ **3no tipper- 3marks**									
8	Attach bank statement for the last 6 months ➢ **Each month-1 mark**	**6 Marks**								
	Total	**70 Marks**								

a) Technical evaluations scores

This section (technical evaluation) will be marked out of 70 and will determine the technical scorers (TS). Note: at this stage any firm that failed to score above 0r 49/70 shall NOT be evaluated financially.

SECTION III –
CONDITIONS OF CONTRACT

1. Definitions

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

"Bills of Quantities" means the priced and completed Bill of Quantities forming part of the tender[where applicable].

"Schedule of Rates" means the priced Schedule of Rates forming part of the tender [where applicable].

"The Completion Date" means the date of completion of the Works as certified by the Employer's Representative.

"The Contract" means the agreement entered into by the Employer and the Contractor as recorded in the Agreement Form and signed by the parties.

"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.

"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 Employer's Representative upon correction of defects by the Contractor.

"The Defects Liability Period" is the period named in the Appendix to Conditions of Contract and calculated from the Completion Date.

"Drawings" include calculations and other information provided or approved by the Employer's Representative for the execution of the Contract.

"Employer" Includes Central or Local Government administration,

Universities, Public Institutions and Corporations and 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.

"Site" means the place or places where the permanent Works are to be carried out including workshops where the same is being prepared.

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

"Employer's Representative" is the person appointed by the Employer and notified to the Contractor for the purpose of supervision of the Works.

"Specification" means the Specification of the Works included in the Contract.

"Start Date" is the date when the Contractor shall commence execution of the Works.

" 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 Employer's Representative which varies the Works.

"The Works" are what the Contract requires the Contractor to construct, install, and turnover to the Employer.

2. Contract Documents

2.1 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) Conditions of Contract,
(5) Specifications,
(6) Drawings,
(7) Bills of Quantities or Schedule of Rates [whichever is applicable)

3. Employer's Representative's Decisions

3.1 Except where otherwise specifically stated, the Employer's Representative will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

4. Works, Language and Law of Contract

4.1 The Contractor shall construct and install the Works in accordance with the Contract documents. 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 Employer's Representative, and complete them by the Intended Completion Date.

4.2 The ruling language of the Contract shall be English language and the law governing the Contract shall be the law of the Republic of Kenya.

5. Safety, Temporary works and Discoveries

5.1 The Contractor shall be responsible for design of temporary works and shall obtain approval of third parties to the design of the temporary works where required.

5.2 The Contractor shall be responsible for the safety of all activities on the Site.

5.3 Any thing of historical or other interest or significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Employer's Representative of such discoveries and carry out the Employer's Representative's instructions for dealing with them.

6 Work Program and Sub-contracting

6.1 Within seven days after Site possession date, the Contractor shall submit to the Employer's Representative for approval a program showing the general methods, arrangements, order and timing for all the activities in the Works.

6.2 The Contractor may sub-contract the Works (but only to a maximum of 25 percent of the Contract Price) with the approval of the Employer's Representative. However, he shall not assign the Contract without the approval of the Employer in writing. Sub-contracting shall not alter the Contractor's obligations.

7 The site

7.1 The Employer shall give possession of all parts of the Site to the Contractor.The Contractor shall allow the Employer's Representative and any other person authorised by the Employer's Representative ,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.

8 Instructions

8.1 The Contractor shall carry out all instructions of the Employer's Representative which are in accordance with the Contract.

9 Extension of Completion Date

9.1 The Employer's Representative shall extend the Completion Date if an occurrence arises which makes it impossible for completion to be achieved by the Intended Completion Date. The Employer's Representative shall decide whether and by how much to extend the Completion Date.

9.2 For the purposes of this clause, the following occurrences shall be valid for consideration;

Delay by:-

(a) force majeure, or

(b) reason of any exceptionally adverse weather conditions, or

(c) reason of civil commotion, strike or lockout affecting any of the trades employed upon the Works or any of the trades engaged in the preparation, manufacture or transportation of any of the goods or materials required for the Works, or

(d) reason of the Employer's Representative's instructions issued under these Conditions, or

(e) reason of the contractor not having received in due time necessary instructions, drawings, details or levels from the Employer's Representative for which he specifically applied in writing on a date which having regard to the date for Completion stated in the appendix to these Conditions or to any extension of time then fixed under this clause was neither unreasonably distant from nor unreasonably close to the date on which it was necessary for him to receive the same, or

(f) delay on the part of artists, tradesmen or others engaged by the Employer in executing work not forming part of this Contract, or

(g) reason of delay by statutory or other services providers or similar bodies engaged directly by the Employer, or

(h) reason of opening up for inspection of any Work covered up or of the testing or any of the Work, materials or goods in accordance with these conditions unless the inspection or test showed that the Work, materials or goods were not in accordance with this Contract, or

(i) reason of delay in appointing a replacement Employer's Representative, or

(j) reason of delay caused by the late supply of goods or materials or in executing Work for which the Employer or his agents are contractually obliged to supply or to execute as the case may be, or

(k) delay in receiving possession of or access to the Site.

10 Management Meetings

10.1 A Contract management meeting shall be held regularly and attended by the Employer's Representative and the Contractor. Its business shall be to review the plans for the remaining Work. The Employer's Representative shall record the business of management meetings and provide copies of the record to those attending the meeting and the Employer. The responsibility of the parties for actions to be taken shall be decided by the Employer's Representative either at the management meeting or after the management meeting and stated in writing to all who attend the meeting.

10.2 Communication between parties shall be effective only when in writing.

11 Defects

11.1 The Employer's Representative 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 Employer's Representative may instruct the Contractor to search for a defect and to uncover and test any Work that the Employer's Representative 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.

11.2 The Employer's Representative shall give notice to the Contractor of

any defects before the end of the Defects Liability Period, which beginsat Completion, and is defined in the Appendix to Conditions of Contract.

11.3 Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified by the Employer's Representative's notice. If the Contractor has not corrected a defect within the time specified in the Employer's Representative's notice, the Employer's Representative 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.

12 Bills of Quantities/Schedule of Rates

12.1 The Bills of Quantities/Schedule of Rates 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 rates in the Bills of Quantities/Schedule of Rates for each item. Items against which no rate is entered by the Tenderer will not be paid for when executed and shall be deemed covered by the rates for other items in the Bills of Quantities/Schedule of Rates.

12.2 Where Bills of Quantities do not form part of the Contract, the Contract Price shall be a lump sum (which shall be deemed to have been based on the rates in the Schedule of Rates forming part of the tender) and shall be subject to re-measurement after each stage.

13 Variations

13.1 The Contractor shall provide the Employer's Representative with a quotation for carrying out the variations when requested to do so. The Employer's Representative shall assess the quotation and shall obtain the necessary authority from the Employer before the variation is ordered.

13.2 If the Work in the variation corresponds with an item description in the Bill of Quantities/Schedule of Rates, the rate in the Bill of Quantities/Schedule of Rates shall be used to calculate the value of the variation. If the nature of the Work in the variation does not correspond with items in the Bill of Quantities/Schedule of Rates, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.

13.3 If the Contractor's quotation is unreasonable, the Employer's Representative may order the variation and make a change to the Contract Price, which shall be based on the Employer's Representative's own forecast of the effects of the variation on the

Contractor's costs.

14 Payment Certificates and Final Account

14.1 The Contractor shall be paid after each of the following stages of Work listed herebelow (subject to re-measurement by the Employer's Representative of the Work done in each stage before payment is made). In case of lump-sum Contracts, the valuation for each stage shall be based on the quantities so obtained in the re-measurement and the rates in the Schedule of Rates.

(i) Advance payment_
(*percent of Contract Price,*
[after Contract execution] *to be inserted by the Employer).*

(ii) First stage (*define stage)* _

(iii) Second stage *(define stage*)_

(iv) Third stage (*define stage)* _

(v) After defects liability period .

14.2 Upon deciding that Works included in a particular stage are complete, the Contractor shall submit to the Employer's Representative his application for payment. The Employer's Representative shall check, adjust if necessary and certify the amount to be paid to the Contractor within 21 days of receipt of the Contractor's application .The Employer shall pay the Contractor the amounts so certified within 30 days of the date of issue of each Interim Certificate.

14.3 The Contractor shall supply the Employer's Representative with a detailed final account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer's Representative shall issue a Defect 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 Employer's Representative shall issue within 21 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 Employer's Representative shall decide on the amount payable to the Contractor and issue a Final Payment Certificate. The Employer shall pay the Contractor the amount so certified within 60 days of the issue of the Final Payment Certificate.

14.4 If the period laid down for payment to the Contractor upon each of the Employer's Representative's Certificate by the Employer has been exceeded, the Contractor shall be entitled to claim simple interest calculated pro-rata on the basis of the number of days delayed at the Central Bank of Kenya's average base lending rate prevailing on the first day the payment becomes overdue. The Contractor will be required to notify the Employer within 15 days of receipt of delayed payments of his intentions to claim interest.

15. Insurance

15.1 The Contractor shall be responsible for and shall take out appropriate cover against, among other risks, personal injury; loss of or damage to the Works, materials and plant; and loss of or damage to property.

16. Liquidated Damages

16.1 The Contractor shall pay liquidated damages to the Employer at the rate 0.001 per cent of the Contract price per day for each day that the actual Completion Date is later than the Intended Completion Date except in the case of any of the occurrences listed under clause 9.2. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

17. Completion and Taking Over

17.1 Upon deciding that the Work is complete the Contractor shall request the Employer's Representative to issue a Certificate of Completion of the Works, upon deciding that the Work is completed.

The Employer shall take over the Site and the Works within seven days of the Employer's Representative issuing a Certificate of Completion.

18. Termination

18.1 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 continuously without reasonable cause or authority from the Employer's Representative;

(b) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(c) a payment certified by the Employer's Representative is not paid by the Employer to the Contractor within 30 days after the expiry of the payment periods stated in sub clauses 14.2 and 14.3 hereinabove.

(d) the Employer's Representative 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.

18.2 If the Contract is terminated, the Contractor shall stop Work immediately, and leave the Site as soon as reasonably possible. The Employer's Representative 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.

19. Payment Upon Termination

19.1 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 Site, plant, equipment and temporary works.

19.2 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 Employer's Representative may in writing specify,any temporary buildings, plant, machinery, appliances, goods or materials belonging to him, and in default thereof , 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.

19.3 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 therefor the Employer's Representative 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.

20. Corrupt Gifts and Payments of Commission

20.1 The Contractor shall not;

(a) Offer or give or agree to give to any person in the service of the Employer any gifts 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 with the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract with the Employer.

(b) 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 Laws of Kenya.

21. Settlement of Disputes

21.1 Any dispute arising out of the Contract which cannot be amicably settled between the parties shall be referred by either party 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 of the Chartered Institute of Arbitrators, Kenya branch, on the request of the applying party.

SECTION IV – APPENDIX TO CONDITIONS OF CONTRACT

THE EMPLOYER IS

Name: **GOVERNOR - Mandera County Government**
Address: **P.O Box 13, MANDERA**

Name of Authorized Representative: **County Executive Committee Member – HEALTH SERVICES**
Cell phone: **……**
E-mail:/Fax: **……**

Name of Alternative Representative: **Chief Officer – MEDICAL SERVICES**
Cell phone: **……**
E-mail:/Fax: **……**

The Project Manager is: **County Director – PUBLIC WORKS, Mandera County.**
Address: **P.O. BOX 13, MANDERA**
Cell phone: **……..**

1.1 The name (and identification number) of the Contract is: **PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY**

1.2 The works consist of: **PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY**

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

The Intended Completion Date for the whole of the Works shall be **fifty two weeks (52)** from **the commencement date as agreed with the Project Manager.**

The following documents also form part of the Contract:
AS LISTED IN CLAUSE 2.3 OF CONDITIONS OF CONTRACT

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

The Site Possession Date shall be **AGREED WITH THE PROJECT MANAGER**
The Defects Liability period is 1**80** days

The minimum insurance covers shall be; "ALL RISKS INSURANCE"

The following events shall also be Compensation Events:

1. **NONE (ONLY AS LISTED IN CLAUSE 24 OF THE CONDITIONS OF CONTRACT**
2. _____
3. _____
4. _____

The period between Program updates is **15** days.
The amount to be withheld for late submission of an updated Program is **FULL CERTIFICATE**

The proportion of payments retained is **10%** percent.

The Price Adjustment Clause **SHALL NOT** apply

The liquidated damages for the whole of the Works is Kshs.**1,000.00** (per week)

The Performance Security shall be for the following minimum amounts equivalent as a percentage of the Contract Price **10 percent (%)**

The Completion Period for the Works is **fifty two weeks (52)**

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

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

Advance Payment **SHALL NOT be** granted.

The Bidder should submit **ONLY ONE (1 NO.) ORIGINAL AND A COPY** of the Bills of Quantities as indicated in Clause 4.1 of the Instruction to Tenderers.

This Tender must be accompanied by a Bid Bond or else the tender shall be disqualified.

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
(x) Request for Review Form

FORM OF TENDER

TO: MANDERA COUNTY GOVERNMENT _____*[Date]*

1.3 ***REF:*** TENDER FOR PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY

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 for 120 days from the date of submission, 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 **MANDERA COUNTY GOVERNMENT** of[or whose registered office is situated at] **P.O BOX 13, MANDERA,KENYA** (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 PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY
MCG/OT/63/2020-2021
(name and identification number of Contract) (hereinafter called "the Works") located at ***Mandera County****[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.

1. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

The common Seal of _____

Was hereunto affixed in the presence of _____

Signed Sealed, and Delivered by the said _____

Binding Signature of Employer _____

Binding Signature of Contractor _____

In the presence of (i) Name_____

Address_____

Signature_____

[ii] Name _____

Address_____

Signature_____

FORM OF TENDER SECURITY

WHEREAS ……(hereinafter called "the Tenderer") has submitted his tender dated …… for the construction of ……
…… *(name of Contract)*

KNOW ALL PEOPLE by these presents that WE …… having our registered office at ……(hereinafter called "the Bank"), are bound unto ……(hereinafter called "the Employer") in the sum of Kshs…… for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents sealed with the Common Seal of the said Bank this ……. Day of ……20……

THE CONDITIONS of this obligation are:

1. If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers
   Or

2. If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:

   (a) fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required; or
   (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;

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

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

_____ _____
[date[*[signature of the Bank]*

_____ _____
[witness] *[seal]*

PERFORMANCE BANK GUARANTEE

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

Dear Sir,

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

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

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

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

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

We further agree that no change, addition or other modification of the terms of the Contract or of the Works to be performed 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 figurers]* 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: _____

CONFIDENTIAL BUSINESS QUESTIONNAIRE

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

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

Part 1 – General

Business Name .....

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

Plot No..... Street/Road .....

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

Nature of Business.....

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

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

Name of your bankers.....

Branch.....

Part 2 (a) – Sole Proprietor

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

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

*Citizenship details .....

Part 2 (b) – Partnership

Give details of partners as follows:

	Name in full	*Nationality*	*Citizenship Details*	*Shares*
1				
2				
3				

Part 2(c) – Registered Company:

Private or public……

State the nominal and issued capital of the Company-

Nominal Kshs……

Issued Kshs……

Give details of all directors as follows:

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

1.
……

2.
……

3.
……

4.
……

Part 2(d) – Interest in the Firm:

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

I certify that the information given above is correct.

…… …… ……
(Title) *(Signature)* *(Date)*

- Attach proof of citizenship

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

FORM RB 1

REPUBLIC OF KENYA

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NO……OF……20……..

BETWEEN

…….APPLICANT

AND

…….RESPONDENT *(Procuring Entity*)

Request for review of the decision of the…… (*Name of the Procuring Entity)* of ……dated the…day of ……20…….in the matter of Tender No……of ……20…

REQUEST FOR REVIEW

I/We……,the above named Applicant(s), of address: Physical address……Fax No……Tel. No……..Email ……, hereby request the Public Procurement Administrative Review Board to review the whole/part of the above mentioned decision on the following grounds , namely:-

1.

2.

etc.

By this memorandum, the Applicant requests the Board for an order/orders that: -

1.

2.

etc

SIGNED ……(Applicant)

Dated on……day of ……/…20…

FOR OFFICIAL USE ONLY

Lodged with the Secretary Public Procurement Administrative Review Board on ……. day of ……..20……

SIGNED

Board Secretary

FORM OF POWER OF ATTORNEY

(All bidders shall complete this form otherwise, their bids shall be considered non-responsive)

We _____ (Name of Bidder)

having our offices located in _____ (Name of Town and Building) duly authorise

_____ (Name of person appointed to act for and on behalf of the bidder) to act for and on our behalf on all matters pertaining to the execution of works as stipulated under PROPOSED CONSTRUCTION OF 1NO WARD,ADMINISTRATION BLOCK, COMPLETION OF THEATRE WORKS,GATE HOUSE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL IN LAFEY SUB COUNTY

Duly signed and delivered:

Name of appointed attorney: _____

Signature of appointed attorney: _____

Witnessed by:

1. Name of First Company Director: _____

   Signature: _____

2. Name of Second Company Director: _____

   Signature: _____

Company Seal:

_____

FIFTH SCHEDULE

SELF DECLARATION FORMS (r.47) FORM SD1

SELF DECLARATION THAT THE PERSON/TENDERER IS NOT DEBARRED IN THE MATTER OF THE PUBLIC PROCUREMENT AND ASSET DISPOSAL ACT 2015.

I, ……., of Post Office Box ……. being a resident of ……. in the Republic of ……. do hereby make a statement as follows:- 1. THAT I am the Company Secretary/ Chief Executive/Managing Director/Principal Officer/Director of ……. (insert name of the Company) who is a Bidder in respect of Tender No. ……. for ……(insert tender title/description) for ……(insert name of the Procuring entity) and duly authorized and competent to make this statement.

2. THAT the aforesaid Bidder, its Directors and subcontractors have not been debarred from participating in procurement proceeding under Part IV of the Act.

3. THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

…… ……

(Title) (Signature) (Date)

Bidder Official Stamp

FORM SD2
SELF DECLARATION FORMS

SELF DECLARATION THAT THE PERSON/TENDERER WILL NOT ENGAGE IN ANY CORRUPT OR FRAUDULENT PRACTICE.

I, ……of P. O. Box ……. being a resident of ……. in the Republic of ……. do hereby make a statement as follows:- 1. THAT I am the Chief Executive/Managing Director/Principal Officer/Director of …….. ……. (insert name of the Company) who is a Bidder in respect of Tender No. ……. for ……(insert tender title/description) for ……(insert name of the Procuring entity) and duly authorized and competent to make this statement. 854 Kenya Subsidiary Legislation, 2020

2. THAT the aforesaid Bidder, its servants and/or agents /subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board, Management, Staff and/or employees and/or agents of ……(insert name of the Procuring entity) which is the procuring entity.

3. THAT the aforesaid Bidder, its servants and/or agents /subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents of ……(name of the procuring entity)

4. THAT the aforesaid Bidder will not engage /has not engaged in any corrosive practice with other bidders participating in the subject tender

5. THAT what is deponed to hereinabove is true to the best of my knowledge information and belief

…… …… ……
(Title) (Signature) Date)

Bidder's Official Stamp

SECTION VI – SPECIFICATIONS, DRAWINGS & BILLS OF QUANTITIES

SPECIFICATIONS

Notes for preparing Specifications

1.0 Specifications must be drafted to present a clear and precise statement of the required standards of materials, and workmanship for tenderers to respond realistically and competitively to the requirements of the Employer and ensure responsiveness of tenders. The Specifications should require that all materials, plant, and other supplies to be permanently incorporated in the Works be new, unused, of the most recent or current models, and incorporating all recent improvements in design and materials unless provided otherwise in the Contract. Where the Contractor is responsible for the design of any part of the permanent Works, the extent of his obligations must be stated.

2.0 Specifications from previous similar projects are useful and may not be necessary to re-write specifications for every Works Contract.

3.0 There are considerable advantages in standardizing **General Specifications** for repetitive Works in recognized public sectors, such as highways, urban housing, irrigation and water supply. The General Specifications should cover all classes of workmanship, materials and equipment commonly involved in constructions, although not necessarily to be used in a particular works contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

4.0 Care must be taken in drafting Specifications to ensure they are not restrictive. In the Specifications of standards for materials, plant and workmanship, existing Kenya Standards should be used as much as possible, otherwise recognized international standards may also be used.

5.0 The Employer should decide whether technical solutions to specified parts of the Works are to be permitted. Alternatives are appropriate in cases where obvious (and potentially less costly) alternatives are possible to the technical solutions indicated in tender documents for certain elements of the Works, taking into consideration the comparative specialized advantage of potential tenderers.

The Employer should provide a description of the selected parts of the Works with appropriate reference to Drawings, Specifications, Bills of Quantities, and Design or Performance criteria, stating that the alternative solutions shall be at least structurally and functionally equivalent to the basic design parameters and Specifications.

Such alternative solutions shall be accompanied by all information necessary for a complete evaluation by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, proposed construction methodology, and other relevant details. Technical alternatives permitted in this manner shall be considered by the Employer each on its own merits and independently of whether the tenderer has priced the item as described in the Employer's design included with the tender documents.

BILLS OF QUANTITIES

REPUBLIC OF KENYA



MANDERA COUNTY GOVERNMENT
MINISTRY OF ROADS, TRANSPORT & PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS

PROPOSED 1 No. WARD, ADMINISTRATION BLOCK, COMPLETION OF THEATRE AND OTHER ASSOCIATED WORKS AT LAFEY LEVEL IV HOSPITAL

IN

LAFEY SUB-COUNTY

MANDERA COUNTY

TENDER DOCUMENTS

TENDER NO:.....

Prepared by:

County Director,
Mandera County
Department of Public Works
P.O Box 49,
MANDERA

Issued by:

County Executive Officer,
Ministry of health services,
Mandera County Government,
P.O. Box 13,
MANDERA

JANUARY, 2021

BILL NO 1: PRELIMINARIES

01: PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	Kshs.	Cts
A	**PRICING ITEMS OF PRELIMINARIES** Prices **SHALL BE INSERTED** against items of "preliminaries" in the tenderer's priced Bills of Quantities. **The contractor is advised to read and understand all the necessary preliminary items.**		
B	**DESCRIPTION OF THE WORKS:**		
C	The works comprises **Construction of 1 No. Ward, Administration Block, Completion of Theatre, Toilet Block, tanks and other associated works.**		
	MEASUREMENTS		
D	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.		
	LOCATION OF SITE		
E	**The site is located at Lafey. 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.C. AND PROVISIONAL SUM The allowances given for the above is for full contract.		
	Carried to Collection		

ITEM	DESCRIPTION	Kshs.	Cts
A	**CLEARING AWAY** The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager. **The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.**		
B	**CLAIMS** It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and/or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claims shall be entertained upon the expiry of the said contract period**.**		
C	**PREVENTION OF ACCIDENT, DAMAGE OR LOSS** The Contractor is notified that these works are to be carried out on a restricted site where the office is going on with its normal activities. The Contractor is instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of normal activities being carried out by the client.. The Contractor shall allow in his rates any expense he deems necessary by taking such care within the site. Noise should be minimized and any other kind of disruptions.		
D.	**<u>TAXES</u>** **The tenderers shall include in their rates any taxes that they may be required to pay after execution of and payment for the works. It shall be the sole responsibility of the contractor to remit such payments directly to the right authorities.**		
	Carried to Collection		

Item	DESCRIPTION	Kshs.	Cts
A	**WORKING CONDITIONS** The Contractor shall allow in his rates for any interference that he may encounter in the course of execution of the works.		
B	**SIGNBOARD** Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager**.**		
C	**LABOUR CAMPS** The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.		
D	**MATERIALS FROM DEMOLITIONS** Any materials arising from demolitions and not re-used shall become the property of the Client. The Contractor shall allow in his rates the cost of transporting the demolished materials as directed by the PROJECT MANAGER**.**		
E	**PRICING RATES** The tenderer shall include for all costs in executing the whole of the works, including transport from stores, fixing, all to comply with the said Conditions of Contract. A tender which plus or minus 10% shall be considered as non-responsive.		
F	**TENDER SECURITY** **The tender must be accompanied by a tender security of Kshs……... or else the tender shall be disqualified**		
	Carried to Collection		

Item	DESCRIPTION	Kshs.	Cts
A	**SECURITY** The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.		
B	**URGENCY OF THE WORKS** The Contractor is notified that these "works are urgent" and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he deems that he/she may incur by having to complete the works within the stipulated contract period.		
C	**EXISTING SERVICES** Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.		
D	**TRANSPORT** The contractor shall provide when required for site trips only a vehicle to comfortably seat at least four (4) persons including maintained license, .		
F	**FIRM PRICE CONTRACT** **This is a firm (fixed) price contract. The contractor must allow for price changes during the contract period.**		
	Carried to Collection **PP/4**		

ITEM	DESCRIPTION	Kshs.	Cts
A	**PERFORMANCE BOND** A bond of 5% of the contract sum will be required in accordance with clause 6.00 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.		
B	**TENDER DOCUMENTS** Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page STD/8		
C	**DELIVERY OF TENDER** Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered /received later than the above time will not be opened.		
D	**VALUE ADDED TAX** The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. **However the contractor shall make provision for this in the individual rates as it will not be separately provided for in this document.**		
	Total Carried to Collection		

Item	DESCRIPTION	Kshs.	Cts
	PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT The following are the insertions to be made in the appendix to the Contract Agreement: -		
A	**Period of Final Measurement** 3 Months From Practical completion		
B	**Defects Liability Period** 6 Months from practical completion		
C	**Date for Possession** To be agreed with the Project Manager		
D	**Date for Completion** To be agreed with the Project Manager		
E	**Liquidated and Ascertained** At the rate of **Kshs.1,000.00** per week or part thereof		
F	**Prime cost sums for which the The Contractor desires to tender** …… …… ……		
G	**Period of Interim Certificates** Monthly		
H	**Period of Honouring Certificates** 30 days		
J	**Percentage of Certified Value Retained** 10%		
K	**Limit of Retention Fund** 10 %		
	Carried to Collection		

ITEM	DESCRIPTION	AMOUNT
	SUMMARY OF PARTICULAR PRELIMINARIES	
	Total from page PP/1	
	Total from page PP/2	
	Total from page PP/3	
—	Total from page PP/4	
	Total from page PP/5	
	Total from page PP/6	
	TOTAL CARRIED TO COLLECTION ON PG GP/13	

02: GENERAL PRELIMINARIES

Item	Description	Kshs.	Cts
	GENERAL PRELIMINARIES		
A.	**PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES** Prices shall be inserted against items of Preliminaries in the Contractor's priced bills of Quantities and Specification but not in the unit rates		
B.	**ABBREVIATIONS** Throughout the Bills, unites of measurement and terms are abbreviated and shall be interpreted as follows: - **C.M. Shall mean cubic metre** S.M Shall mean square metre L.M. Shall mean linear metre M.M Shall mean Millimetre Kg. Shall mean Kilogramme **No. Shall mean Number** Prs. Shall mean Pairs B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England. Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs. m.s. Shall mean measured separately. a.b.d Shall mean as before described.		
	Carried to collection		

Item	Description	Kshs.	Cts
	EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT		
A.	Attendance; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted: - Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standard 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-Contractor's work and being responsible for the accuracy of the same.		
	Fix Only: -		
B.	"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.		
	EMPLOYER		
C.	**The "Employer" is the GOVERNOR- MANDERA COUNTY GOVERNMENT** The term "Employer" and "Client" wherever used in the contract document shall be synonymous		
	PROJECT MANAGER		
D.	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 authorized to represent him on behalf of the Client.		
	ARCHITECT		
E.	The term "Architect" shall be deemed to mean "The P.M" as defined above whose address unless otherwise notified is Department of Public Works, P.O. Box 49, MANDERA		
	QUANTITY SURVEYOR		
F.	The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Public Works, P.O. Box 49, MANDERA.		
	Carried to collection		

Item	Description	Kshs.	Cts
	ELECTRICAL ENGINEER		
A.	The term "Electrical engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Public Works.		
	MECHANICAL ENGINEER		
B.	The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Public Works.		
	STRUCTURAL ENGINEER		
C.	The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Public Works.		
	FORM OF CONTRACT		
D.	The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works (2000 Edition). A copy of which is available at the Department of Public Works – MANDERA.		
	Conditions of Contract		
E.	These are numbered from 1 – 37 and are contained in the above named document. 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.		
	BOND		
F.	**The Contractor shall find and submit an approved bank and who will be willing to be bound to the client in an amount equal to five percent (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 and 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.** **Or as stipulated otherwise in the tender advertisement or agreement.**		
	Carried to collection		

Item	Description	Kshs.	Cts
	PLANTS, TOOLS AND VEHICLES		
A.	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.		
	TRANSPORT		
B.	Allow for transport of workmen, materials from stores, etc. to and from the site at such hours and by such routes as may be permitted by the competent authorities.		
	MATERIALS AND WORKMANSHIP		
C.	All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.		
	SIGN FOR MATERIALS SUPPLIED		
D.	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.		
	STORAGE OF MATERIALS		
E.	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.		
	Carried to collection		

Item	Description	Kshs.	Cts
	SAMPLES		
A.	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 expenses of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works. The procedure for submitting samples or materials for testing and the method of making 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-contractor's work.		
	GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.		
B.	Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain form 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.		
	SECURITY OF WORKS ETC.		
C.	The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractor's and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and protection of the public.		
	Carried to collection		

Item	Description	Kshs.	Cts
	PUBLIC AND PRIVATE ROADS		
A.	Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from the consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER.		
B.	**EXISTING PROPERTY** The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expenses to the satisfaction of the PROJECT MANAGER.		
C.	**VISIT SITE AND EXAMINE DRAWINGS** The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.		
D.	**ACCESS TO SITE AND TEMPORARY ROADS** Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads.		
E.	**AREA TO BE OCCUPIED BY THE CONTRACTOR** The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER.		
	Carried to collection		

Item	Description	Kshs.	Cts
A.	**OFFICE, ETC. FOR THE PROJECT MANAGER** The Contractor shall provide, erect and maintain where direct on site and afterwards dismantle the site office of the type noted in the Particular Preliminaries, complete the Furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and tow keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. **The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with leveling staff, ranging rods and 50 meters metallic or linen tape**.		
B.	**WATER AND ELECTRICITY SUPPLY FOR THE WORKS** The Contractor shall provide t 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 won cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER. The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-Contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.		
C.	**SANITATION OF THE WORKS** The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and /or Local Authorities, Labour Department and the PROJECT MANAGER.		
D.	**SUPERVISION AND WORKING HOURS** The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and Sub-Contractors or other places where work is being prepared for the contract.		
E.	**PROVISIONAL SUMS** The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (i) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Such sums are net and no addition shall be made to them for profit.		
	Carried to Collection		

Item	Description	Kshs.	cts

A.	**PRIME COST (OR P.C.) SUMS** The term "Prime Costs Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Persons of firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons of firms so nominated to supply goods or materials are described herein as Nominated Suppliers.		
B.	**PROGRESS CHART** The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors; one copy to be handed to the PROJECT chart to be amended as necessary as the work proceeds.		
C.	**ADJUSTMENT OF P.C. SUMS** In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.		
D	**SPECIAL PRELIMINARY** **LAPTOPS** Purchase and provide **2 No.** "HP " HP LAPTOP as per the following minimum specifications as HP or equal and approved		
	Carried to collection		

Item	Description	Kshs.	cts

A.	**ADJUSTMENT OF PROVISIONAL SUMS** In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER'S order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 13 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.		
B.	**NOMINATED SUB-CONTRACTORS** When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into Sub-contracts as described in Condition No. 20 of the Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".		
C.	**DIRECT CONTRACTS** Notwithstanding the foregoing conditions, the client reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sums in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.		
D.	**ATTENDANCE UPON OTHER TRADESMEN, ETC.** The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for any 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.		
	Carried to collection		

Item	Description	Kshs.	cts

A.	**INSURANCE** The Contractor shall insure as required in Condition Nos. 22 and 23 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificates 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.		
B.	**PROVISIONAL WORK** All work described as "Provisional" in these Bills of Quantities is subject to re-measurement in order to ascertain in actual quality 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 expenses.		
C.	**ALTERATIONS TO BILLS, PRICING, ETC.** Any un-authorized 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.		
D.	**BLASTING OPERATIONS** Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.		
	Carried to collection		

Item	Description	Kshs.	cts
A.	**MATERIALS ARISING FROM EXCAVATIONS** Materials of any kind obtained from the excavations shall be the property of the client. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.		
B.	**PROTECTION OF THE WORKS** Provide protection of the whole of the works contained in the Bill of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.		
C.	**REMOVAL OF RUBBISH ETC.** Removal of rubbish and debris from the buildings and site a it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.		
D.	**WORKS TO BE DELIVERED UP CLEAN** Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metal works and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER.		
E.	**FIRM PRICE CONTRACT** **Unless otherwise specifically stated in the Particular Preliminaries this is a firm price Contract.** **The contractor must allow in his tender rates for any increase in the cost of labour and materials during the construction period.**		
	Carried to collection		

Item	Description	Kshs.	cts

A.	**GENERAL SPECIFICATION** - For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Public Works General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries. Trade Preambles or other items in these Bills of Quantities.		
B.	**TRAINING LEVY** The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 3% of the contract sum on all contracts of more than Kshs.50,000.00 in value**.**		
C.	**MATERIALS ON SITE** All materials for incorporation in the work must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main contractor, Nominated Sub-Contractors and Nominated Suppliers.		
D.	**HOARDING** The Contractor shall enclose the site or part of the works under construction with a hoarding 2400mm high consisting of iron sheets on 100x50mm timber posts firmly secured at 1800mm centres with two 75x50mm timber rails approximately 300m. 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.		
E.	**CONTRACTOR'S SUPERINTENDENCE / SITE AGENT** The Contractor shall constantly keep on the works literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.		
	Carried to collection		

Item	Description	Kshs.	cts

	COLLECTION **Brought forward from pg PP/7 for Particular Preliminaries……** Brought forward from page GP/1 …….. Brought forward from page GP/2 …….. Brought forward from page GP/3 …….. Brought forward from page GP/4 …….. Brought forward from page GP/5…… **Brought forward from page GP/6…….** **Brought forward from page GP/7 ……** Brought forward from page GP/8…….. Brought forward from page GP/9 …….. Brought forward from page GP/10 …… Brought forward from page GP/11 …… Brought forward from page GP/12 ……		
	Total carried forward for Particular and General Preliminaries taken to Grand Summary (BILL NO.1)		

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.

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 as for podocarpus and all timber used for structural work shall be select (second grade).

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

Prices must also include for all nails and fasteners.

A. JOINERY

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

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

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

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

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

B. IRONMONGERY

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

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

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

C. STRUCTURAL STEELWORK

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

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 specified in these Bills of Quantities.

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.

PAINTING

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

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

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

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	MALE WARD BLOCK				
	ELEMENT NO. 01				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	EARTHWORKS				
A	Clear site of all shrubs, grass, undergrowth and the like and burn arisings on site	SM	356		
B	Excavate pit for column bases depth not exceeding 1.50m commencing from reduced levels.	CM	48		
C	Excavate trench for strip footings depth not exceeding 1.50m commencing from reduced levels.	CM	123.84		
D	Extra over excavations for excavation in rock	CM	68.736		
	MAINTENANCE OF EXCAVATIONS				
E	Allow for maintaining sides of all excavations by plankin and strutting or other means as required. Additional works caused by the collapse of excavations through inadequate planking and strutting or removal of ground or rain water from excavations will be at the Contractors expense.	Item			
F	Allow for keeping the excavations and works free from all water, including spring, storm and any other running water, by pumping or other means as required.	Item			
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	DISPOSAL OF EXCAVATED MATERIAL				
A	Backfill selected excavated material fill around foundations or to make up levels : compact in layers not exceeding 150mm thick	CM	95		
B	Remove surplus excavated materials from site	CM	77		
	SOIL AND HARDCORE FILLINGS				
C	300mm Thick approved imported hardcore fill material in raising levels handpacked, well rammed, watered and well compacted in 150mm layers all to Engineer's direction and satisfaction.	SM	320		
D	30mm Thick murram blinding to surfaces of hardcore	SM	320		
E	Gladiator or equal and approved chemical anti termite treatment executed complete by an approved specialist under a ten (10) year guarantee to bases of excavations applied at a rate of 7 litres per square metre	SM	336		
F	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured net no allowance made for laps)	SM	336		
	CONCRETE				
	PLAIN MASS CONCRETE (CLASS 15)				
G	50mm Thick blinding under column bases	SM	40		
H	Ditto under strip footings	SM	103		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	VIBRATED REINFORCED CONCRETE (CLASS 25)				
A	Column bases	CM	8		
B	Column	CM	2		
C	Strip footings	CM	21		
D	100mm Thick floor slab laid on damp proof membrane (measured separately) in bays not exceeding 36 square metres including formwork to edge of bays	SM	320		
E	100mm Thick Ramp Floor slab	SM	48		
	REINFORCEMENT				
F	Steel wire fabric mesh reinforcement to B.S 4483 (Ref:A142 weighing 2.22kg/m2) in concrete bed or wall (measured net-no allowance made for minimum of 225mm laps) including tying and supporting as required	SM	320		
	Square twisted high tensile steel bar reinforcement to B.S. 4461 and K.S. 02-22:1976				
G	10mm Bars	Kg	580		
H	12mm Bars	Kg	1,300		
	FORMWORK				
I	Vertical sides of column bases	SM	32		
J	Vertical sides of columns	SM	20		
K	Vertical sides of strip footings	SM	34		
L	Edges of ground floor slab height exceeding 75mm but not exceeding 150mm	Lm	80		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	FOUNDATION WALLING				
	Approved quarry hand dressed natural stone foundation wall bedded and jointed in cement and sand (1:3) mortar and reinforced every alternate course with hoop iron				
A	200mm Thick foundation walls	SM	206.40		
	PLINTH TREATMENT				
B	12mm thick cement/sand (1:4) render to plinth	SM	32		
C	Prepare and apply three coats black Bituminous paint on rendered plinth	SM	32		
	CARRIED TO COLLECTION				
	COLLECTION PAGE				
	Total brought forward from page BW/1				
	Total brought forward from page BW/2				
	Total brought forward from page BW/3				
	Total brought forward from page BW/4				
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 01 SUBSTRUCTURE				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 02				
	REINFORCED CONCRETE FRAME				
	CONCRETE				
	VIBRATED REINFORCED CONCRETE (CLASS 20)				
A	Columns	CM	10		
B	Beams	CM	21		
	REINFORCEMENT				
	Square twisted high tensile steel bar reinforcement to B.S. 4461 and K.S. 02-22:1976				
C	10mm Bars	Kg	1,370		
D	12mm Bars	Kg	1,790		
	FORMWORK				
E	Vertical sides of columns	SM	80		
F	Vertical sides and soffits of beams	SM	10		
	CARRIED TO SUMMARY				
	ELEMENT NO. 02 REINFORCED CONCRETE FRAME				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 03				
	SUPERSTRUCTURE WALLING				
	DAMP PROOF COURSES				
	Approved horizontal damp proof course to B.S. 743 laid under walling (measured net - no allowance made for laps) including leveling bed				
A	200mm Wide	LM	113.00		
	MASONRY CONSTRUCTION				
	EXTERNAL WALLING				
	Machine cut Ngong blue stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced every alternate course with hoop iron				
B	200mm Thick wall	SM	320		
	INTERNAL WALLING				
	Machine cut Ngong blue stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced every alternate course with hoop iron				
C	200mm Thick wall	SM	52		
	VENT BLOCKS				
D	300 x 200mm Vent Blocks	No	25		
	CARRIED TO SUMMARY				
	ELEMENT NO. 03 SUPERSTRUCTURE WALLING				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 04				
	ROOF STRUCTURE, COVERING & RAINWATER GOODS				
	ROOF STRUCTURE				
	The following in prime grade,pressure impregnated sawn cypress with and including bolted and nailed connections and all other necessary accessories				
	The following in 4No. Single pitched roof truss 8800mm wide and 1068mm rise including hoisting and fixing 10050mm (approx.) above ground floor level				
A	100 x 50mm Tie beams	Lm	78		
B	100 x 50mm Rafters	Lm	114		
C	75 x 50mm Struts and ties	Lm	126		
	The following in prime grade, pressure impregnated sawn cypress with nailed connections (Provisional)				
D	150 x 50mm Purlins	Lm	232		
E	100 x 50 mm Wall plate secured with and including hoop iron at 900mm centres cast in concrete ring beam	Lm	172		
	ROOF COVERING				
	IT5 ROOFING SHEETS				
F	22.5° IT5 box profile sheets 28 gauge; to Engineer's details	SM	424		
G	Ridge and hip covers to match	Lm	32		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	RAIN WATER GOODS (ALL PROVISIONAL)				
A	150mm diameter UPVC gutter fixed to fascia board with all it's necessary parts.	Lm	80		
B	100mm diameter UPVC down pipe in duct or fixed to wall with and including approved holderbats at 1200mm centres	Lm	8		
C	Exta over down pipe for swan neck	No.	2		
D	Ditto horse shoe	No.	2		
E	Ditto bend	No.	2		
	ROOF FINISHING				
	The following in eaves boarding				
F	50 x 50 mm Sawn cypress or any other equal and approved softwood bearers	Lm	176		
G	100 x 25mm Tongued and grooved wrot cypress or any other equal and approved softwood boarding nailed to brandering (measured separately)	SM	96		
H	25 x 300mm Wrot, treated cypress fascia or barge board	Lm	80		
	Knot, prime and stop, prepare and apply one undercoats and two finishing coats "Crown Solo" or any other equal and approved gloss paint on wood work				
I	General surfaces of woodwork	SM	96		
J	Surfaces girth exceeding 200mm but not exceeding 300mm	Lm	80		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	COLLECTION PAGE				
	Total brought forward from page BW/7				
	Total brought forward from page BW/8				
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 04 ROOF STRUCTURE, COVERING & RAINWATER GOODS				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 5				
	WINDOWS				
	CILLS AND BOARDS				
A	250 x 75mm Thick precast concrete (1:2:4) sunk, weathered and throated window cill cast in convenient lengths, reinforced as necessary, bedded, jointed and pointed in gauged mortar and finished smooth on all exposed surfaces, with 10mm drip and with 0.25mm thick polythene DPM.	Lm	31		
B	25 x 6mm Galvanised metal water bar grouted in groove in concrete cill	Lm	25		
	ALUMINIUM CASEMENT WINDOWS				
	Supply assemble and fix the following purpose made powder coated anodised aluminium sliding, hinged or fixed composite windows frames in approved heavy duty sections complete with all coupling mullions and transomes and frames and handles, lever, finger pulls, pins, permanent vent with mosquito gauze wire, catches, stays, hinges, approved locking devices and other accessories where applicable, complete with glazings, fixed at predetermined positions, including 'snap on' glazing beads; building in lugs to jambs, plugging and screwing head and cill to concrete and bedding frames in waterproof cement mortar and pointing in approved mastic externally oiling, easing and adjusting and leaving in perfect working order.				
C	Window size 900mm x 2100mm high ditto (W01)	No.	28		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	BURGLARPROOFING GRILLS				
A	Approved mild steel Burglar proofing grilles: in 25mm CHS spaces at 150mm both sides; complete with all necessary framework in 50mm CHS; with & including building in lugs to jambs, plugging and screwing to head or cill, bedded all round in cement and sand (1:3) mortar ; complete with making good disturbed surfaces ; all to Architectural details	SM	53		
	CURTAIN RAILING				
B	Supply and fix wrought iron double curtain rod; with 20mm diameter curtain rod and 10mm diameter sheer rod; complete with and including decorative mouldings,rollers, fixing brackets and all fixing screws and accessories; as "Tile and Carpet Ltd" or equal and approved : plugging, and all necessary paintwork	Lm	31		
	FINISHING				
	Prepare stain to approval with timber guard and apply three coats matt "Crown Tuffseal" or other equal and approved polyurethane varnish to woodwork to be executed by an approved sub-contractor				
D	Timber surfaces exceeding 100mm but not exceeding 200mm girth	Lm	31		
E	Prepare, prime with "Crown" or equal and approved zinc plumbate primer and paint one undercoat and two gloss finishing coats of "Crown Super Gloss" or equal and approved oil paint on surfaces of metal windows	SM	105.84		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	COLLECTION PAGE				
	Total brought forward from page BW/10				
	Total brought forward from page BW/11				
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 05 WINDOWS				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 06				
	DOORS				
	DOOR FRAMES				
	Wrot mahogany, or other equal and approved hardwood framed frames and finishings.				
A	50 x 150mm Frame head, rebated fixed to wall	Lm	6		
B	150mm x 50mm Transome fixed to frames (m.s)	Lm	1		
C	25 x 50mm moulded architrave with one labour	Lm	6		
D	25 x 25mm Quadrant	Lm	6		
	PANEL DOORS				
	Wrot mahogany or other equal and approved hardwood.				
E	Single leaf door overall size 900mm x 2400 mm	No.	1		
	IRONMONGERY				
	Supply and fix the following ironmongery complete with furniture and matching screws as per 'UNION' catalogue or approved equivalent:				
F	3 Lever lockset with martin design aluminium handle.	No.	1		
G	100 x 76 x 3mm Stainless steel ball bearing hinges as Union HN-4BB-403030 or any other equal and approved in stainless steel finish	Prs	2		
H	Coat and hat hook with rubber tip in stainless steel finish.	No.	2		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
A	Cylindrical floor mounted door stop as Union Cat. No. J-DS101 SS or any other equal and approved in matt stainless steel finish	No.	1		
	FINISHING				
B	Prepare and apply one coat "Crown" or equal and approved aluminium wood primer before fixing on backs of wood surfaces in contact with masonry, concrete or plaster girth exceeding 200 but not exceeding 300mm	Lm	7		
	Prepare stain to approval with timber guard and apply three coats matt "Crown Tuffseal" or other equal and approved polyurethane varnish to woodwork to be executed by an approved sub-contractor				
C	General surfaces of woodwork	SM	4		
D	Surfaces girth exceeding 200mm but not exceeding 300mm	Lm	7		
	STEEL DOORS				
	Supply, assemble and fix the following purpose made standard section steel doors complete with frames to comply to B.S.990,obtained from an approved manufacturer, primed with red oxide primer before delivery to site complete with, hinges, handles, catches, heavy duty tower bolts and building in lugs to concrete or masonry jambs or heads.				
E	Single leaf door overall size 1200mm x 2400 mm	NO	2		
F	Prepare, prime with "Crown" or equal and approved zinc plumbate primer and paint one undercoat and two gloss finishing coats of "Crown Super Gloss" or equal and approved oil paint on surfaces of metal doors	SM	12		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	COLLECTION PAGE				
	Total brought forward from page BW/13				
	Total brought forward from page BW/14				
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 06 DOORS				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 7				
	FINISHES				
	FLOOR FINISHES				
	Cement and sand (1:3) screed trowelled hard and smooth with steel trowel				
A	38mm Bed laid to receive Terrazzo floor finish	SM	294		
	TERRAZZO FLOOR FINISH				
B	Polished Terrazzo floor finish to Architects details	SM	294		
C	10 x 100mm High skirting	Lm	128		
	EXTERNAL WALL FINISHES				
	RENDERS AND PAINTS				
	Cement and sand (1:5) external rendering finished with a wood float				
D	12mm Cement and sand (1:5) external rendering finished with a wood float on brick walling or concrete surfaces	SM	320		
	FINISHING				
E	Prepare and apply one undercoat and three coats of "Crown Solo" or equal and approved Hi Matt Vinyl emulsion paint on plastered concrete surfaces	SM	320		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	INTERNAL WALL FINISHES				
A	12mm Cement and sand (1:4) with anti fungal treatment incorporated backing on walls finished to receive ceramic wall tiles.	SM	26		
B	12mm (minimum) Two coat lime plaster comprising 9mm first coat of cement and sand (1:4) and 3mm second coat of cement and sand lime putty on walls finished smooth with a steel trowel on concrete or stone walls	SM	424		
	TILEWORK				
	Coloured glazed ceramic wall tiles fixed to backing (measured separately) with an approved adhesive on walls and pointed with and including coloured anti fungal cement grout				
C	300 x 300 x 6mm Thick tiles as "Saj" or any other equal and approved	SM	19		
	PAINT WORK AND DECORATIONS				
D	Prepare and apply one undercoat and three coats of "Crown Solo" or equal and approved silk vinyl emulsion paint on plastered walls internally	SM	424		
	GYPSUM CEILING				
	Supply and install 12.5mm thick "Rhinoboard" or any other equal and approved gypsum board to BS1230 fixed on to and including galvanised steel bearers and studs spaced at maximum 600mm centres, with and including sealing jointing with approved fibre tapes and approved filler and leaving in condition ready to receive paint				
E	Soffits and sides of ceiling bulkheads	SM	294		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	FINISHING				
A	Prepare plasterboard or gypsum surfaces, skim to approval with Altek or any other equal and approved, apply one undercoat and four coats of "Crown Solo" or equal and approved Hi Matt Vinyl emulsion paint all to Interior Designer's Colour Scheme	SM	294		
	CARRIED TO COLLECTION				
	COLLECTION PAGE				
	Total brought forward from page BW/16				
	Total brought forward from page BW/17				
	Total brought forward from page BW/18				
	CARRIED TO SUMMARY				
	BILL NO. II ELEMENT NO. 07 FINISHES				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 8				
	JOINERY FITTINGS AND FIXTURES (ALL PROVISIONAL)				
	WRITING TOPS				
	Metal Framework				
A	25 x 25 x 3mm Mild steel square hollow section bearers with welded connections and bolted to masonry or concrete, primed and painted with three coats gloss paint	Lm	7		
	The following in plain medium density fiberboard (mdf) with with and including screwed connections, shelf studs, PVC lipping and any necessary support or reinforcing mechanism				
B	25mm Thick top to receive granite (measured separately)	SM	2		
	Polished granite in approved colours and texture				
C	20mm Thick counter top fixed to blockboard (measured separately)	SM	2		
D	20mm Thick fascia 80mm high	Lm	6		
	HIGH LEVEL CABINETS				
	CABINETS				
	Medium Density Fiber Board				
E	25mm Thick shelves with sapele laminate both sides	SM	1		
F	25mm Thick bases or top with sapele laminate both sides	SM	3		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
A	25mm Thick partitions and sides with sapele	SM	2		
B	Door size 650 x 600mm high 18mm thick with	No	4		
C	Extra over mdf door for routered edges	Lm	7		
D	25 x 1.5mm PVC edging strip fixed to edges of mdf with approved adhesive	Lm	14		
	Wrot cypress or any other equal and approved softwood				
E	25 x 50mm Bearers	Lm	7		
F	75 x 50mm Frame with one labour	Lm	8		
	The following ironmongery to timber				
G	12mm Diameter, 200 x 36mm matt stainless steel door handle	No	4		
H	Approved heavy duty stainless steel malpa hinges	Pairs	8		
	SHELVES				
	METAL FRAMEWORK				
I	50 x 25 x 3mm Mild steel rectangular hollow section stanchions	Lm	16		
J	25 x 25 x 3mm Mild steel square hollow section bearers with welded connections to stanchions, primed and painted with three coats gloss paint	Lm	30		
	Blockboard to B.S. EN 12871				
K	25mm Thick shelves	SM	6		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	Knot, prime and stop, prepare and spray paint one undercoats and three finishing coats "Crown" or any other equal and approved automotive paint on wood work				
A	General surfaces of blockboard	SM	6		
	CARRIED TO COLLECTION				
	COLLECTION PAGE				
	Total brought forward from page BW/19				
	Total brought forward from page BW/20				
	Total brought forward from page BW/21				
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 08 JOINERY FITTINGS AND FIXTURES				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	MAIN WORKS SUMMARY				
Item No.	ELEMENT NO.		Page No.		
1	SUBSTRUCTURES		4		
2	REINFORCED CONCRETE SUPERSTRUCTURES		5		
3	WALLING		6		
4	ROOFING AND RAINWATER DISPOSAL		9		
5	WINDOWS		12		
6	DOORS		15		
7	FINISHES		19		
8	JOINERY FITTINGS AND FIXTURES		21		
	CARRIED TO WARD BLOCKS SUMMARY				
	BILL NO. II FEMALE WARD BLOCK			KES	

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	SUMMARY FOR WARD BLOCK				
	TOTAL FOR MALE WARD BLOCK			KES	
	Therefore 1No. Wards =	male ward			
	CARRIED TO MAIN COLLECTION			KES	
	BILL NO. II WARDS BLOCKS				

BILL NO. 01: BILLS OF QUANTITIES FOR THE PROPOSED CONSTRUCTION OF 5-ROOM ADMINISTRATION OFFICE BLOCK

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
A	Clear the site of all bushes, shrubs, undergrowth and small trees grab uproot and cart away burn all arising.	183	SM		
B	Excavate over site average 250mm deep to remove vegetable soil load up wheel and deposit on site not exceeding 100m	150	SM		
C	Excavate to reduce levels	40	CM		
D	Excavate for strip foundation trenches not exceeding 1.5m deep commencing from reduced level.	84	CM		
E	Ditto for column bases	8	CM		
F.	Allow for keeping excavations free from mud and all water including running water by pumping palling or other approved means.	1	ITEM		
G.	Return in and ram selected excavated material around foundations.	40	CM		
H	Allow approved hardcore filling or other equal and approved blinding to the surfaces of hardcore, rolled smooth to receive polythene sheeting.	40	CM		
I	Remove termites nests by approved means and destroy the termites by apply termidor or other equal and approved chemicals as per the manufacturers printed instructions.	1	ITEM		
J	500 gauge polythene or other equal and approved plastic sheets damp proof membrane laid over blinding	123	SM		
K	In-situ concrete work concrete(1:4:8/38-38mm aggregate 50mm thick blinding under foundation.	60	SM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
A	**Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:-.**				
	Strip foundation.	13.5	CM		
	Stab columns and boxes	3	CM		
	100mm thick floor slab	100	SM		
B	**Supply and fix bar/rod reinforcement including bending hooks tying wire cutting spacer and support all in position as described:-** **High tensile square twisted bars to BS4461**				
	12mm diameter	130	Kg		
	10mm diameter	100	Kg		
	8mm Mild steel rod to B.S4449	13	Kg		
C	Mesh reinforcement (fabric) to BS 4484 ref A142 including laps tying wire and spacer blocks complete.	100	SM		
D	Sawn formwork as described to edges of floor slab 75-150mm high.	55	LM		
E	Foundation walling 200mm thick rough chiseled natural stone walling bedded and joined in cement and sand (1:3) mortar and reinforced with and including 20 gauge 25mm wide loop iron in every alternate course.	115	SM		
F	20mm thick cement and sand (1:3) wood float render to plinth area.	30	SM		
G	Prepare and apply three coats black bituminous paints to rendered area.	30	SM		
H	Vibrated reinforced concrete 1:2:4/20-25-20mm aggregates as described in R.C Column	1.5	CM		
I	Ring beams	5	CM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
A	Supply and fix steel bar/rod reinforcement including bending hooks, tying wire, cutting, spacer blocks and supporting all in position high tensile square twisted bars to BS4461 as described in				
	12mm diameter	120	Kg		
	8mm diameter.	70	Kg		
B	Sawn form works as described to sides of soffits to ring beam.	89	SM		
C	**Fine chisel dressed natural stone walling bedded in and joined in cement and sand(1:3) mortar as described:-**				
	200mm thick reinforcement with and including hoop iron in every alternate course.	120	SM		
D	Horizontal damp proof course, one layer of 3 ply Bituminous felt or other equal and approved material.	70	LM		
E	**Internal walling fine chisel dressed natural stone walling bedded and joined in cement and sand(1:3)mortar as described:-**				
	200mm thick walling reinforcement and including hoop iron in every alternate course.	68	SM		
F	**Roofing all timber to be sawn cypress seasoned to an equilibrium moisture content of between 9% and 15% and to the requirement of K.S 02771 of 1991 treated with approved wood preservative.**				
	100x50mm wall plate on and including 10mm cement sands1:4 mortar bed secured on reinforced concrete ring beams(M.S) by mild steel anchor bolts (m.s)	35	LM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
A	**The following in nailed timber trusses including and placing 3000mm above floor slab:-**				
	100x50mm rafters	100	SM		
	100x50mm tie beams	80	LM		
	100x50mm strut/ties	150	LM		
B	Independent members 75x50mm purlins	130	SM		
C	Gauge 30 galvanized roofing sheets	140	SM		
D	Gauge 30 ridge cap to match covering.	21	LM		
E	Wrot cypress 20x200mm fascia board fixed to end of rafters	50	LM		
F	12mm diameter x250 long black mild steel anchor bolt embedded in ring beam at 12oomm centres including drilling holes.	35	NO		
G	100x100x6mm thick galvanized mild steel nailing clear once bent to form angle ten times drilling, one flange nail to form of rafter(M.S) other nailed to top of wall plate(M.S)	23	NO		
H	Painting prime only back of wood before fixing surface 100-20mm girth	60	LM		
I	Knot prime stop and prepare and apply one undercoat and two finishing coats of gloss oil paint (abd) to general surface of wood 200-300mm girth	120	LM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Windows **Purpose made sheet Aluminium windows with all the necessary accessories and ironmongery**				
A.	Window size 1200 x 1200mm high aluminium window sliding	11	NO		
B.	Ditto size 600 x 1200mm top hung	3	NO		
C.	Precast 100 x 50mm thick window sill, duly reinforced and once throated	19	LM		
D.	Burglar proofing to windows with Steel RHS bars	18	SM		
E.	Ditto coffee tray wire	18	SM		
F	Prepare and apply 3 coats of gloss oil paint to windows both sides including frames.	36	SM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.	CTS
	STEEL DOORS **Purpose made double leaf steel door overall each leaf size 750 x 2100mm complete with frame and all the necessary ironmongery and one coat of primer:-**					
A.	size 1200 x 2100mm	2	NO			
B.	Ditto size 900 x 2100mm single leaf steel door	3	NO			
C.	Steel door lock complete	5	NO			
D.	Approved door stoppers.	7	NO			
E	Prepare and apply 3 coats of gloss oil paint to doors both sides.	22	SM			
	TOTAL CARRIED TO COLLECTION					

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	FINISHES				
	Floor finishes **Cement and sand(1:4) screed as described:-**				
A	40mm thick cement and sand screed for Terrazzo finish	82	SM		
B	20x100mm high skirting rounded at top edge and curved at junction with floor.	52	LM		
	Wall finishes **Two coats gauged cement lime and sand (1:2:9) plaster steel trowel led smooth:-**				
C	12mm (minimum) thick to natural stone walls internally.	80	SM		
D	Ditto externally.	84	SM		
	Gypsum Ceiling finishes **Lining**				
E.	12.5 mm thick Gypsum Plaster board ceiling on brandering M/S and set in systematic V-joint.	80	LM		
F.	Extra over for trap doors size 600x600 complete.	1	NO		
	Sawn cypress				
G	50x50mm brandering plugged	90	LM		
H	50x50mm brandering	300	LM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	<u>Painting</u> Prime only back of frame with aluminium or other equal and approved primer before fixing as described to:-				
A	Frames, surfaces not exceeding 100mm girth	100	LM		
B	Ditto 100mm to 200mm girth	90	LM		
	Knot prime stop and prepare and apply one undercoat and two coats gloss oil paint to.				
C	General surface of wood internally	15	SM		
D	General surface of wood 100-200mm girth internally.	30	LM		
E	Ditto not exceeding 100mm girth.	15	LM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	Wrot Cypress				
A	12x100mm curved cornice plugged	88	LM		
	Painting				
	Prime only back of frame with aluminium or other equal and approved primer before fixing as described:-				
B	Timber, surface not exceeding 100mm girth	88	LM		
	Knot prime stop and prepare and apply one undercoat and two finishing coats gloss oil paints to:-				
C	General surface of wood not exceeding 100mm girth.	88	LM		
	Paint and decoration **Prepare and apply one undercoat and three coats gloss oil paint to:-**				
D	Plastered walls internally	145	SM		
E	Ditto externally	130	SM		
	Prepare and apply three coats of washable distemper paint to:-				
F	Gypsum lining internally	100	SM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	SHS.
	COLLECTION	
A	Total carried from page ADM/01……	
B	Total carried from page ADM/02……	
C	Total carried from page ADM/03……	
D	Total carried from page ADM/04……	
E	Total carried from page ADM/05……	
F	Total carried from page ADM/06……	
G	Total carried from page ADM/07……	
H	Total carried from page ADM/08……	
I	Total carried from page ADM/09……	
	TOTAL FOR 5-ROOM ADMINISTRATION OFFICE BLOCK CARRIED TO GRAND SUMMARY	

BILL NO. 04: BILLS OF QUANTITIES FOR PROPOSED 2-DOOR ABLUTION BLOCK

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	2NO. ABLUTION BLOCK				
	ELEMENT NO. 1 **SUBSTRUCTURES** **ALL PROVISIONAL**				
	NOTE: **All work measured under this element is upto and including the floor slabs but excluding the finishes thereon: -**				
	SITE CLEARANCE:				
A	Clear the site of all bushes, shrubs, undergrowth and small trees grab uproot and cart away burn all arising.	20	SM		
B	Excavate over site average 250mm deep to remove vegetable soil load up wheel and deposit on site not exceeding 100m	15	SM		
C	Excavate to reduce levels	4	CM		
D	Excavate for strip foundation trenches not exceeding 1.5m deep commencing from reduced level.	17	CM		
E	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.	-	ITEM		
F	Allow for planking and strutting to sides of excavations.	-	ITEM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	DISPOSAL				
A	Load surplus excavated material wheel and deposit onsite not exceeding 100m away.	5	CM		
	FILLING:				
B	Return in and ram selected excavated material around foundations.	6	CM		
	HARDCORE AS DESCRIBED:				
C	Approved hardcore filling including leveling, consolidating and or hand packing in layers 150mm thick.	11	CM		
	BLINDING:				
D	50mm thick layer murram or other equal and approved blinding to the surface of hardcore; roled smooth to receive polythene sheetings (m.s.)	13	SM		
E	**INSECTICIDE TREATMENT** ‘Termidor’ or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer’s printed instructions.	13	SM		
F	**REMOVE OF TERMITES NESTS** Remove termite’s nests by approved means and destroy the termites by applying ‘termidor’ or other equal and approved chemicals as per the manufacturers printed instructions.	-	ITEM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	DAMP PROOF MEMBRANE				
A	500 gauge polythene or other equal and approved plastic sheets damp proof membrane laid over blinding (measured net – allow for laps)	13	SM		
	IN-SITU CONCRETE WORK MASS CONCRETE (1:4:8/38-38mm AGGREGATE)				
B	50mm thick blinding under foundations	8	SM		
	VIBRATED REINFORCED CONCRETE (1:2:4/20-20MM) AGGREGATE AS DESCRIBED IN:-				
C	Strip foundations	2	CM		
D	150mm thick floor slab (1:3:6)	13	SM		
	STEEL REINFORCEMENT				
	SUPPLY AND FIX BAR/ROD REINFORCEMENT INCLUDING BENDING HOOKS TRYING WIRE CUTTING SPACER AND SUPPORTING ALL IN POSITION AS DESCRIBED.				
	HIGH TENSILE SQUARE TWISTED BARS TO B.S. 4461				
E	10mm diameter	67	KG		
F	8mm diameter	55	KG		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	MESH REINFORCEMENT				
A	Fabric mesh reinforcement to B.S. 4484 ref. A1422 including laps trying wire and spacer blocks complete (measure nett allow for lap)	14	SM		
	SAWN FORMWORK AS DESCRIBED TO:				
B	Edges of floor slabs 75 - 150mm high	11	LM		
	FOUNDATION WALLING				
C	200mm thick rough chiseled natural stone walling bedded and joined in cement and sand (1:3) mortar and reinforced with and including 20 Gauge 25mm wide hoop iron in every alternate course.	13	SM		
D	**PLINTH AREA FINISHES** 20mm thick cement and sand (1:3) wood float render to plinth area.	6	SM		
E	Prepare and apply three coats black bitumastic paints to rendered area.	6	SM		
F					
	Total carried to collection				
	COLLECTION				
	Brought forward page AB/01				
	Brought forward page AB/02				
	Brought forward page AB/03				
	Brought down from above				
	TOTAL FOR ELEMENT NO. 01 SUBSTRUCTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	ELEMENT NO. 02 **R.C. FRAME(SUPERSTRUCTURE**				
	Vibrated reinforced concrete (1:2:4/20-25 – 20mm aggregates) as described in:-				
A	Ring Beams	1	CM		
	Steel reinforcement **Supply and Fix steel bar/rod reinforcement including bending hooks trying wire cutting spacer blocks and supporting all in position**.				
	High Tensile square twisted bars to B.S. 4461 as described in:-				
B	12mm diameter	48	KG		
	Mild Steel rods to B.S. 4449 as described in:-				
B	8mm diameter	25	KG		
	Sawn Form Works as described to:-				
C	Side and soffits to ring beams	9	SM		
	TOTAL FOR REINFORCED CONCRETE FRAME CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	ELEMENT NO. 03 **EXTERNAL WALLING** **FINE CHISEL DRESSED NATURAL STONE WALLING BEDDED AND JOINED IN CEMENT AND SAND (1:3) MORTAR AS DESCRIBED:-**				
A	200mm thick reinforcement with and including hoop iron in every alternate.	28	SM		
	HORIZONTAL DAMP PROOF COURSE; ONE LAYER OF 3PLY BITUMINOUS FELT OR OTHER EQUAL AND APPROVED (MEASURED NETT-ALLOW FOR LAPS)				
B	150mm wide leveled and bedded in cement and sand (1:3) mortar under walls.	12	LM		
C	**SUNDRIES** Labour and material for 200mm wide x 230mm (average) high eaves filling to top of 200mm wall.	2	SM		
D	Pair of 250mm x 250mm x30mm thick precast permanent vent fitted with mosquito gauze	4	NO.		
	T0TAL FOR ELEMENT N EXTERNAL WALLING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	ELEMENT NO. 4 **INTERNAL WALLING** **FINE CHISEL DRESSED NATURAL STONE WALLING BEDDED AND JOINED IN CEMENT AND SAND (1:3) MORTAR AS DESCRIBED IN:-**				
A	200mm thick walling reinforcement with and including hoop iron in every alternate course. **HORIZONTAL DAMP PROOF; ONE LAYER OF 3 PLY BITUMINOUS FELT OR OTHER EQUAL AND APPROVED (MEASURED NETT- ALLOW FOR LAPS)**	15	SM		
B	200mm wide leveled and bedded in cement and sand (1:3) mortar under walls.	4	LM		
	TOTAL FOR ELEMENT NO. 04 INTERNAL WALLING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	ELEMENT NO. 05 **ROOFING** **ALL TIIMBER TO BE SAWN CYPRESS SEASONED TO AN EQUILLIBRIUM MOISTURE CONTENT OF BETWEEN 9% AND 15% AND TO THE REQUIREMENT OF K.S. 02771 OF 1991 TREATED WITH APPROVED WOOD PRESENTATIVE.**				
A	100 x 50mm wall plate on and including 10mm cement and sand (1:4) mortar bed secured, on reinforced concrete ring beams (m.s) by mild steel anchor bolts (m.s)	11	LM		
	THE FOLLOWING IN NAILED TIMBER TRUSSES INCLUDING HOISTING AND PLACING 3000MM ABOVE FLOOR SLAB LEVEL				
B	100x 50mm rafters.	14	LM		
C	100x 50mm tie beams	8	LM		
D	100x 50mm strut/ties.	9	LM		
	INDEPENDENT MEMBERS				
E	75 x 50mm purlins	16	LM		
	ROOF COVERING				
	COVERING IN MAIN BLOCK VERANDAH				
F	Gauge 28 IT/BP950 Protiled sheets 906mm wide (857mm effective lover) fixed on timber purlins (m.s)	12	SM		
G	Gauge 28 ridge cap to match covering	5	LM		
	RAIN ATER GOODS				
H	150mmx100mm gauge 22 mild steel gutter	13	LM		
I	100mm diameter down pipe to storage tank	5	LM		
J	Extra over for connecting pipe to gutter tank	-	Item		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	WROT CYPRESS				
A	25 x 250mm fascia board fixed to end of rafters (m.s)	10	LM		
	SUNDRIES				
C	12mm diameter x 250mm long black mild steel anchor bolt embedded in ring beam at 1200mm centers including drilling holes in timber.	6	NO		
D	100 x 100 x 6mm thick galvanized mild steel nailing cleat once bent to form angle ten times drilling; one flange nailed to foot of rafter (m.s) other nailed to top of wall plate (m.s)	5	NO		
	PAINTING				
	PRIME ONLY BACK OF WOOD BEFORE FIXING				
E.	Surface 100 – 200mm girth.	11	LM		
	KNOT PRIME STOP AND PREPARE AND APPLY ONE UNDER COAT AND TWO FINISHING COATS OF GLOSS OIL PAINT (abd) To:				
F.	General surface of wood 200 – 300 mm girth.	10	LM		
	Total carried to collection below				
	COLLECTION				
	Brought forward from page AB/08				
	Brought forward from above				
	TOTAL FOR ELEMENT NO.05: ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	ELEMENT NO. 06 **WINDOWS**				
A	200mm x 100mm x 75mm average throated concrete windows cill	3	LM		
	STEEL WINDOWS				
B	Supply and fix standard casement steel window size 600mmx600mm including burglar proofing	2	NO		
C	Prepare surface and apply three coats 'crown' or other equal and approved oil paint to steel windows measured both sides flat overall	2	SM		
D	Supply and fix with putty 4mm thick obscure glass to steel windows	2	SM		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO.7 **DOORS** **Steel grill door with lock and the accessories :-**				
A	size 900 mm x 2100 mm	NILL	No		
B	Decorative veneer flush doors size 800mm x 2100mm	2	No		
C	150 mm x 150 mm Hardwood frame once rebated.	12	LM		
D	. Three lever rebated mortise lock	2	No		
E	100 mm brass butt hinge.	3	Prs.		
F	40 mm diameter rubber door stopper fixed to floor with rawl bolt.	3	No		
	Architrave/Quadrant				
G	50 x 25 mm Architrave	12	LM		
H	25 x 25 mm Quadrant	12	LM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	PAINTING				
	Prepare and apply 3 coats of "crown " or other approved gloss oil paint				
A	General surfaces of metal	3	SM		
B	Steel angle frame n.e 100 mm girth	13	LM		
	Prepare, Knot , prime , stop and apply 2-pack polyurethane H/B first grade varnish				
C	General surface of wood.	8	SM		
D	Ditto 100-200 mm girth.	12	LM		
E	Ditto not exceeding 100 mm girth	12	LM		
	Total carried to collection				
	COLLECTION Brought forward from page AB/11 Brought forward from page AB/12 above				
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO.8:FINISHES **EXTERNAL WALL FINISHES**				
A	12 mm cement and sand (1:3) mortar horizontal recessed pointing to natural stone walling.	25	SM		
	20 mm thick cement , sand render with wood float finish , as described to :-				
B	Concrete corners of columns and beams.	3	SM		
	Painting and decorations				
	Prepare and apply one undercoat and two finishing coats exterior quality plastic emulsion paint on :-				
C	Fair faced of surfaces of concrete beams and columns	3	SM		
	INTERNAL FINISHES				
D	Hack out joints apply 20 mm thick gauged lime plaster (1.2.9) in two coats finished with steel	3	SM		
E	trowel in natural stones walling and beams.	30	SM		
	20 mm thick cement and sand (1:4) backing finished to receive glazed tiling.				
F	250 mm x 150 mm thick white glazed wall tiles jointed and pointed with matching white cement.	30	SM		
	Painting and decorations **Prepare and apply one undercoat and two**				
G	**Finishing coats plastic emulsion paint on :-** Plastered surfaces	3	SM		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	FLOOR FINISHES				
A	In-situ cement and sand (1.3) screed beds with steel trowelled finish	3	SM		
B	20 mm thick screed finished to receive floor tiles	13	SM		
C	300 x 300 mm Terrazzo non-slip ceramic tiles laid on floor screed (m:s)including dividing strips .	13	SM		
D	20 mm x 100 mm skirting	14	LM		
	Entrance steps and ramps:-				
E	150 mm thick concrete (1:3:6) sloped slab	7	SM		
F	40 mm thick screed trowelled and tampered to semi -rough finish to approval pattern in entrance ramps.	7	SM		
	CEILING FINISHES				
G	Celotex ceiling lining fixed to and including 50 x 50 mm sawn cypress brandering at 600 mm centres both directions m:s fixed with clout headed nails and set out in symmetrical panels with "V" joints.	13	SM		
H	Extra over celotex ceiling for forming removable access trap door size 750 x 750 mm with 100 x 50 mm sawn treated cypress trimming joints 120 x 250 mm wrot cedar frame all round and 12 mm soft board removable panel set loose on top of framing including painting.	1	NO		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	Prime grade wrot cypress timber selected and kept clean:-				
A	100 x 25 mm cornice two labours	14	LM		
	Sawn Cypress:				
B	50 x 50 mm brandering	45	LM		
C	75 x 50 mm brandering plugged	15	LM		
	Painting and decorations				
D	Prime only back of timber before fixing surfaces not exceeding 100 mm girth.	55	LM		
	Knot prime and stop and prepare and apply three coats first quality emulsion paint.				
E	Celotex ceiling	13	SM		
F	Timber surfaces not exceeding 100 mm girth	14	LM		
	Total carried to collection below				
	COLLECTION Total brought forward from page AB/13 Total brought forward from page AB/14 Total brought forward from above				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	09: PLUMBING & DRAINAGE Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes.Twyfords Ltd products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref No. is intended only as a guide to the type and quality of fittings.				
A. B.	**General purpose Squatting W.C** Water closet suite ('S' or 'P'-trap) in approved colour complete with horizontal outlet to BS3402 litre valveless cistern fittings including siphon,15mm diameter side inlet ball valve,20mm diameter side overflow, plastic flush bend, inlet connection. All to be as **Twyfords ''Arabian''** water closet or equal and approved.	No.	1		
C	**Wash hand basin** Wash hand basin, size 590x440mm wide in approved colour to BS 3402, complete with the following:- Basin with two tap holes and chain stay hole as ''WB 2535 WH'' Chrome plated tap handles Aztec pillar taps ½'' Ref. No AZ5800CP Chrome plated chain waste Ref. No. 5823CP Wall supports Ref.No SR1319XX as Twfords ''SOLA 590''	No.	1		
	Splash 15mm diameter chrome plated bib taps as Pegler taps or equal and approved.	No.	1		
D F	**Robe Hook** Robe Hook in Satin Aluminum to be mounted by concealed screws to wall wedges. To be as **Twyfords Spectrum 2000** accessories or equal and approved **Toilet Roll Holder** Fully recessed toilet roll holder in Vitreous China of size 165x165mm in approved colour as Twyfords VC98WH or equal and approved.	No No.	1 1		
	Total carried forward to Collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Soap Dish				
A.	Semi recessed built in soap tray in Vitreous China of size : 305x150mm approved colour as Twyfords VC9312WH or equal and approved	No.	1		
B.	**Mirror** 6mm thick polished plate glass silver backed mirror with bevealed edges, size 610x610mm, plugged and screwed to wall with 4No. Chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam.	No.	1		
C.	**Toilet Brush and Holder** Toilet brush and Holder in vitreous china or equal and approved equivalent				
D.	**ROOF TANK** Supply and install a plastic water tank of capacity 920 litres (200 gallons) made of plastic on roof space. The tanks to be assembled complete with medium-pressure ball valve inlet, outlet connections and drain cook and all other connections including ball valve and float. Tank shall be mounted on a platform built by others and any other necessary item for its proper functioning. The tank to be	NO	1		
E.	‘‘Roto Model’’ or approved equivalent.	-	NILL		
	PLUMBING (Provisional) Supply, deliver and install Polypropylene Random (PP-R) PN-20 Oxy-stable pipework to din 8077. pipe jointing shall be by polyfusion or use of electrical coupling. be done. No pipework shall be left exposed to the sun.				
	Total carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Cont. Plumbing				
	PPR PIPE				
A.	20mm diameter PPRC pipe	LM	40		
B.	25mm –Ditto-	LM	40		
C.	32mm –Ditto-	LM	40		
	Extra- over PPRC pipework for the following.				
	Bends/ Elbow				
D.	50mm dia PPRC bend	No.	8		
E.	25mm dia –ditto	No.	8		
F.	20mm dia-ditto	No.	8		
G.	32mm dia -dditto	No.	8		
H.	20mm x ½'' threaded bend	No.	8		
	Tees				
I.	25mm equal tee	No.	5		
J.	32mm –ditto	No.	5		
	Reducers				
K.	25mmx20mm reducer	No.	5		
L.	32mm x25mm-ditto	No.	5		
	Transition fittings				
M.	25mmx ½'' threaded/transition fittings	No.	2		
N.	32mmx1/2'' ditto	No	2		
	Gate valve				
P	50mm dia.approved medium pressure screw down full way non-rising stem wedge gate valve to BS1952, with wheel and head joints to tubing. The gate valve to be as ''Pegler'' or approved equivalent.	No.	1		
	32mm- ditto-				
Q	25mm –ditto-	No.	1		
R		No.	1		
	Non-return valve				
S	32mm dia.approved medium pressure non-return valve to BS1952.The non-return valve to be as ''Pegler'' or approved equivalent.	No.	1		
	Flexible connections				
T	15mm dia, 300mm long flexible connections including backnuts and jointing to PPRC pipe from sanitary fitting.	No.	1		
	Total carried forward to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Testing & Commissioning				
A.	Allow for flushing out and sterilization of the cold water system as required to the satisfaction of the Engineer. Supply and fix UPVC soil system to BS4660 and BS4515 and muPVC waste systems to BS5255 with screwed and socketed joints to BS21. Solvent welded joints shall be as per the system's manufacturer's written instruction. Tender must allow in their pipework prices for all the couplings, connectors, joints etc as required in the running lengths of the pipework and also where necessary for fixing clips, holder to be as Key Terrain or equal and approved equivalent. Allow for connection to the nearest manholes. **INTERNAL DRAINAGE(Provisional)** **UPVC and muPVC pipe work**	Item	1		
B.	100mm heavy duty golden brown pipe class D	LM	40		
C.	100mm diameter heavy duty grey pipe class D	LM	10		
D	50mm ditto	LM	5		
E.	40mm ditto	LM	5		
F.	32mm ditto	LM	5		
	Extra over UPVC and muPVC pipework **Bends**				
G.	100mm diameter long radius bend	No.	4		
H	40mm dia-ditto	No.	3		
I	40mm diameter sweep Tee	No.	3		
J	32mm dia-ditto	No.	3		
K	40mm dia-ditto	No.	1		
L	32 dia-ditto	No.	2		
	Traps				
M	100x50mm diameter floor trap and grating	No.	1		
N	Allow for a standard 300x 300x450mm masonry gully trap complete with mild steel cover.	No.	1		
	Total carried forward collection				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	EXTERNAL DRAINAGE (Provisional)				
A	Allow for excavation of existing blocked pipes cart away arising debris and excavate trench.	NILL	ITEM	2000	
	Pipe construction				
B	Provide, lay and joint in trench dia 160mm golden brown class 41 sewer pipe in flexible joints (rubber ring or lip seal joint) including 1:3:6 concrete Class Q bed and haunch.	80	SM	800	
C	Allow for careful de-silting the existing manhole, hack internal surfaces, cart away arising debris and re-plaster including reconstruction afresh.	NILL	NO	300	
D	Allow for de-silting any materials in the existing 2000wide x4400mm longx2000mm deep septic tank clean, hack internal surfaces, cart away arising debris and re-plaster including reconstruction afresh.	NILL	ITEM	5000	
E	Allow for de-silting any foreign materials in the existing soakpit clean, hack internal surfaces, cart away arising debris and re-plaster including reconstruction afresh.	NILL	ITEM	5000	
	Total carried to collection below				
	COLLECTION				
	Total carried forward from page AB/16				
	Total carried forward from page AB/17				
	Total carried forward from page AB/18				
	Total carried forward from page AB/19				
	Total carried forward from page AB/20 above				
TOTAL FOR PLUMBING & DRAINAGE CARRIED TO SUMMARY.					

Item	Description	QTY	Unit	Rate	AMOUNT
	ELEMENT NO.10 **EXTERNAL DRAINAGE WORKS** (PROVISIONAL)				
A.	Construct manhole size 1250mmx1050mm and average 750mm deep in natural stone including all excavations, concrete 150mm thick base, concrete benching, internal and external plastering, forming channels, concrete top cover complete with medium duty manhole cover and frame and all related works.	2	NO		
B.	100mm gulley trap including concrete surround, grating and cover	2	NO		
C.	Excavate trench for 110mm UPVC pipe starting from ground level average depth 750mm, backfill after laying pipe in approved materials and cart away surplus materials as directed.	10	LM		
D.	Extra over for excavation in rock class or hard murram.	2	CM		
E	Provide, lay and joint in trench 110mm UPVC golden brown pipe class 41	10	LM		
F	Extra over pipe for 100mm in inspection bend	2	NO		
G	Ditto plain bed	2	NO.		
H	Allow for testing the new drainage works after completion	-	ITEM		
	TOTAL FOR EXTERNAL DRAINAGE WORKS CARRIED TO SUMMARY				

ITEM	DESCRIPTION			SHS
	SUMMARY **ABLUTION**			
	ELEMENT			
1	SUBSTRUCTURES FROM PAGE AB/04			
2	R.C FRAME PAGE AB/05			
3	EXTERNAL WALLING FROM PAGE AB/06			
4	INTERNAL WALLING PAGE AB/07			
5	ROOFING FROM PAGE AB09			
6	WINDOWS FROM PAGE AB/10			
7	DOORS FROM PAGE AB/12			
8	FINISHES FROM PAGE AB/15			
9	PLUMBING & DRAINAGE FROM PAGE AB/20			
10	EXTERNAL DRAINAGE WORKS PAGE AB/21			
	TOTAL FOR BILL NO. 04: ABLUTION BLOCK CARRIED TO GRAND SUMMARY			

BILLS OF QUANTITIES FOR THE PROPOSED UNDERGROUND MASONARY WATER TANK (Pitched roof)

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	ELEMENT NO. 1				
	SUBSTRUCTURES				
	(ALL PROVISIONAL)				
	1No. Water Tank(Rectangular)				
A	Clear site of all grass and small trees not exceeding 600mm girth and cart away or burn arising.	70	SM		
B	Excavate pit not exceeding 1.5m deep.	45	CM		
C	Ditto 1.5 – 3.0m deep	45	CM		
D	Ditto 3.0-4.5m deep	45	CM		
E	Excavate for column bases	3	CM		
F	Excavate over all kinds of excavation for excavating in rock irrespective of class.	48	CM		
G	Allow for keeping excavations free from all water by pumping or otherwise.	-	ITEM		
H	Ditto for planking and strutting to sides of excavations.	-	ITEM		
	Disposal				
I	Return fill and ram selected excavated material around foundations.	38	CM		
J	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	100	CM		
	Imported filling				
K	300mm thick (average) approved broken quarry stone hardcore filling in two equal layers well compacted.	30	SM		
L	50mm thick stone dust blinding to surfaces of hardcore.	30	SM		
M	50mm plain concrete(1:4:8 class 15/20mm)blinding to foundation base	30	SM		
	Vibrated reinforced concrete class 25 in				
N	300mm raft foundation slab	30	SM		
O	200 x 400mm columns	2	CM		
P	150mm thick suspended slab	NIL	SM		
Q	250mm thick closing lid	NIL	SM		
	Walling				
R	200mm impervious natural stone walling with hoop iron and water proof cement mortar.	110	SM		
	Total to collection page WT/3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	ELEMENT NO.1 CONT'D				
	Reinforcement (All Provisional)				
	High tensile square twisted bars BS 4461 as described in:				
A	8mm diameter bars	45	KG		
B	10mm ditto	NIL	KG		
C	12mm ditto	100	KG		
	Steel mesh fabric reinforcement to BS 4483				
D	Steel fabric mesh reinforcement type A142 weighing 2.2kg/M^2 and to BS4483 and with 150mm wide side laps (measured net no allowance for laps).	30	SM		
	Damp proof membrane				
E	1000 gauge polythene sheeting laid under concrete floor bed.	30	SM		
F	50mm thick mastic asphalt waterproofing or equivalent to structural engineer's specifications.	38	SM		
	Anti-termite treatment				
G	'Dragnet' or other equal and approved anti termite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	30	SM		
	Sawn formwork to:				
H	Edges of ground floor bed exceeding 150mm but not exceeding 300mm girth.	22	LM		
I	Sides of concrete columns	24	SM		
J	Soffits of suspended slab	NIL	SM		
K	Edges of suspended slab exceeding 75mm but not exceeding 150mm girth	NIL	LM		
L	Soffits of lid	NIL	SM		
M	Vertical sides of closing lid	NIL	LM		
	Carried to collection page WT/3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS
	ELEMENT NO. 2 **ROOFING**				
	sundries				
A	100X50mm wall plate in cement mortar 1:4	12	LM		
	GCL roof covering				
B	30 gauge corrugated sheets on timber purlins (measured separately)	32	SM		
C	Ditto ridge cap	6	LM		
	Construction				
	Sawn treated and well seasoned cypress timber in;-				
D	50x100mm rafters	24	LM		
E	Ditto tie beam	18	LM		
F	50x100 ties and struts	12	LM		
G	50x100mm wall plate	12	LM		
H	50x75mm purlins	36	LM		
	Joinery **Sawn cypress (selected grade)**				
I	Ex225x25mm fascia board fixed to feet of rafters	NIL	LM		
J	Ex225x25mm barge board fixed to ends of purlins.	NIL	LM		
	Closing lid/cover				
K	Allow for construction of 600 x 600mm closing lid with 100 x 50mm framed cypress and GCI sheets to match roof covering.	-	ITEM		
	TOTAL OF ELEMENT NO.3 ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	ELEMENT NO.3 **FINISHES** **Floor Finishes**				
A	32mm thick cement and sand (1:3) with waterproofing cement bedding screed steel floated.	30	SM		
	Wall Finishes				
B	12mm thick cement and sand plaster 1:3 with waterproofing cement steel trowel led Internally.	95	SM		
C	12mm thick cement and sand plaster 1:4 with waterproofing cement steel trowel led externally.	36	SM		
	Painting and Decorating				
D	Prepare and apply three coats, first grade plastic emulsion paints to walls externally	36	SM		
	PAVING SLABS				
E	1200mm x 1200mm x 75mm thick in-situ concrete paving compacted murram and pointed in cement and sand (1:3) mortar all around the water tank.	30	SM		
	Total to collection				
	COLLECTION Total from page RT/1				
	Total from page RT/2				
	Total from page RT/3				
	Total from page RT/4 above				
F	Allow Kshs 50,000.00 for general pipe work				
G	Allow Kshs 100,000.00 for contingencies (Class A rock or water or disposal of soil)				
	TOTAL FOR UNDERGROUND WATER TANK CARRIED TO GRAND SUMMARY				

	Vibrated reinforced concrete class 25				
001	Beams	CM	14		
002	Columns	CM	0		
	Reinforcememts (All Provisional)				
	High yield deformed steel bar reinforcement to B.S. 4461				
003	- 12 mm Diameter bars	Kg	800		
004	- 10 mm Diameter bars	Kg	300		
005	- 8 mm Diameter bars	Kg	300		
	Formwork				
006	Sides and soffits of beams	SM	189		
007	Sides of columns	SM	0		
	Element 02				
	R.C. Superstructure				
	Carried to summary				

	Precast or insitu concrete 1:2:4 to 20 mm gauge lintols including moulds or formwork				
001	Lintols reinforced with two 12 mm mild steel bars, size - 200 x 200 mm	LM	0		
	Solid concrete block walling in cement mortar				
002	Walling reinforced as described - 100 mm	SM	0		
	Machine cut natural stone block walling in cement mortar				
	Walling,				
003	- 150 mm	SM	100		
004	- 200 mm	SM	0		
	Precast concrete class 20 ventilating block walling in cement mortar				
005	Walling in 240 x 240 mm units built with neat flush joints - 200 mm	SM	2		
	Sundries				
006	20 Gauge hoop iron ties 25 mm wide and 450 mm girth cast into concrete one end and built into mortar joints of walling	No.	50		
	Bituminous felt damp proof courses laid on and including levelling screed of cement mortar				
007	In walling, width - 200 mm	LM	0		
	Element 03 **Walling**				
	Carried to summary				

	Coffee tray wire				
001	Wire mesh and fixing between joint of concrete column or beam and masonry walling before rendering or plastering	SM	0		
	Cement and sand (1:4) rendering and brushing				
002	to walls	SM	627		
	Prepare and apply three coats aclyric paint as directed by the manufacturer				
003	Rendered walls externally	SM	627		
	Element 05 **External Finishings**				
	Carried to summary				

	Demolition				
001	Hack the entire floor terrazzo for a new terrazzo finish to the floor	Item			
	Terrazzo floor paving				
002	Supply and fix 25mm thick terrazzo floor finish including dividing strips	SM	458		
003	Terrazzo Skirting - 100mm high	LM	220		
	Cement and sand (1:4) beds and backings				
004	Beds to receive flooring, etc., finished with a steel trowel, thickness - 40 mm	SM	458		
	Lime plaster				
005	Plaster to walls	SM	627		
				c/f	

				b/f
	Demolish			
	Demolish the acoustic ceilling with blundering and handover to the client for storage	Item		
	Moulded cornice, size			
006	- 100mm	LM	300	
	Prepare and apply three coats silk vinyl emulsion paint			
007	Plastred walls	SM	627	
	Prepare and apply three coats matt emulsion paint			
	Plaster cornice, height			
008	- 100mm	LM	300	
	Gypsum Ceilling			
	Supply and install 12.5mm thick "Rhinoboard" or any other equal and approved gypsum board to BS1230 fixed on to and including galvanised steel bearers and studs spaced at maximum 600mm centres, with and including sealing jointing with approved fibre tapes and approved filler and leaving in condition ready to receive paint			
	Soffits and sides of ceiling bulkheads			
009		SM	458	
	Prepare and apply three coats matt emulsion paint			
010	Gypsum ceiling	SM	456	
	Prime grade cypress			
011	50x50mm timber brandering plugged	LM	900	
012	50x50mm timber brandering	LM	900	
	Element 06 **Internal Finishings**			
	Carried to summary			

	Demolition				
001	Allow for removal of alluminium windows and handover to the client for storage	Item			
	Precast Concrete cills				
002	Cills with two labours, size - 150 x 50 mm	LM	15		
	Alluminium windows				
	Powder coated aluminium windows comprising 75 x 75mm hollow section frames and 75 x 50mm mullions and transomes complete with permanent ventilating units with mosquito gauze to top, fixing to concrete jambs or masonry jambs and concrete heads and cills with ironmongery and mastic pointing all round all as per the Architects detail drawings				
003	Window comprising 2 No. sliding sashes, overal size 1500X1500mm	No.	7		
	Wrought mahogany or other equal and approved hardwood				
	100 x 25mm Window boards plugged	LM	15		
				b/f	

				c/f	
	Buglar proofing				
	Mild Steel Grilles				
004	Mild steel burglar proofing grilles comprising 25 x 25 x 3mm flats at 100mm centres with 100mm diameter rings at every other intersection of vertical and horizontal members to Architect's approval	SM	20		
	Painting and Decorating				
	Prime and apply three coats gloss paint on:-				
005	Metal surfaces of grilles (measured both sides)	SM	40		
	Glass and Glazing including powder coated aluminium beading to match windows				
006	6mm Thick clear glazing	SM	17		
	Window film; pattern to Client's approval				
007	Apply one way film to glazed windows	SM	17		
	Element 07 **Windows**				
	Carried to summary				

	Steel Security Doors				
001	steel door complete with frame, fixing and ironmongery and painting *overal size* - 1800 x 2400 mm	No.	2		
	Theatre Internal Doors				
002	Replace the defective doors with new Mahogany doors with all its fixing, locks and hinges and paint to good finish	Item			
	Element 08 **Doors**				
	Carried to summary				

	Theatre Fittings				
001	Provide for Theatre Fittings a Prime Cost sum of Kenya Shillings One million Five hundred thousand	Item			
002	Allow for profit		%		
	Element 09 Fittings				
	Carried to summary				

	Sanitary Fittings				
001	Provide for Theatre Fittings a Prime Cost sum of Kenya Shillings One million	Item			
002	Allow for profit		%		
	Builder's work in connection with plumbing and drainage installation (All Provisional)				
	Chasing and making good for small pipe in				
003	Masonry wall	LM	100		
	Holes for small pipe through				
004	Ceramic wall tiles	No.	10		
	Holes for large pipe through				
005	Ceramic wall tiles	No.	10		
	Holes and pipe sleeves for small pipe through				
006	Masonry wall, thickness - 250 mm	No.	10		
	Holes and pipe sleeves for large pipe through				
007	Masonry wall, thickness - 200 mm	No.	15		
	Testing				
008	Allow a provisional sum of Kenya Shillings Eighty Thousand for testing the pipes and drainage system	Item			
	Element 10 Plumbing & Drainage Installations				
	Carried to summary				

	Electrical Fittings				
001	Provide for Electrical fittings and a Prime Cost sum of Kenya Shillings Three hundred thousand	Item			
002	Allow for profit		%		
	Electrical Installation				
003	Provide for Electrical Installation a Prime Cost sum of Kenya Shillings One Million	Item			
004	Allow for profit		%		
005	Allow for general Attendance on specialist installing Electrical installations	Item			
	Builders work in connection with electrical installation				
	Cut away for and attend in all trades on the Sub-Contractor installing the following points in a mainly concealed system, including chases, holes and recesses, notching timber, etc., and making good all finishes				
006	Lighting points	No.	25		
007	Socket outlet points	No.	30		
008	Metre board	No.	2		
009	Coocker points	No.	0		
009	Telephone outlets	No.	3		
010	Television aerial points	No.	1		
				c/f	

				b/f	
012	Fans	No.	25		
013	Door bell	No.	2		

Element 11
Electrical Installations

Carried to summary

SUMMARY

	Element	Page	Kshs.
02	R.C. Superstructure	02/04	
03	Walling	02/05	
04	Roofing and Rain Water Disposal	02/08	
05	External Finishings	02/09	
06	Internal Finishings	02/11	
07	Windows	02/13	
08	Doors	02/15	
09	Fittings	02/16	
10	Plumbing & Drainage Installation	02/18	
11	Electrical Installations	02/19	
	Total carried to Main Summary		

LAFEY HOSPITAL WARD

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	LIGHTING INSTALLATION				
1.0a	Supply and install lighting points using 3 x 1.5mm^2 PVC insulated Copper cables to be drawn in 20mm diameter PVC heavy gauge conduits concealed in the floors, roof and for one gang one way switching but excluding the fittings and switches. Conduits to be laid during floor casting where necessary	4	No		
b	As Item 1a above but for one gang two way switching.	12	No		
c	As Item 1a above but for two gang two way switching.	2	No		
d	As Item 1a above but for three gang two way switching.	1	No		
e	As Item 1a above but for photo cell switching.	6	No		
2.0	Supply and install 10 Amps rated moulded plate switches for flush mounting and as crabtree, clipsal or approved equivalent.				
a	One gang one way	4	No		
b	One gang two way	12	No		
c	Two gang two way	2	No		
d	Three gang two way	1	No		
e	20 ampsPhotocell as zidion or approved equivalent	1	No		
3.0	Supply and install the following lighting fittings				
a	1200mm 36W single flourescent lamp ip65 fully polycarbonate weather resistant and corrossion proof luminairehigh frequency control gear as FITZGERALD Cat No PCW36/HF or approved equivalent.	18	No		
b	Super Bright outdoor 30W LED floodlight White Light IP65 Which is Waterproof and made of Aluminium and hardened glass.	6	No		
c	100 watt spherical ball fittings complete with energy saving bulbs.	7	No		
	POWER INSTALLATION				
4.0a	Supply and install the 13Amps single switched socket outlet point,wired using 3 x 2.5mm2 PVC insulated copper cables drawn in 20mm diameter PVC heavy gauge conduits laid concealed in the floors and walls but without the twin outlet plate.	16	No		
b	Supply and Install 13Amps twin switched socket outlet plate incorparating a pilot lamp and as MK Cat No. 26571 WH1/2647 WH1,or equivalent and approved.	16	No		
c	Supply and install Metal looping box made out of 12 gauge flat iron and of size 300x300x75mm and as MOW.	1	No		
5.0a	Supply and install recessed 4 way TPN distribution board incorporating an incomer MCB rated at 125A (without the MCBs).The DB is to be as Merlin Gerlin / Hager or approved equivalent.	1	No		
	Install the following miniature circuit breakers (MCB'S) rated at 500Vac for item 5a Above				
b	10A (SP)	3	No		
c	32A (SP)	3	No		
d	Supply and install Blanking Plates for item 5 above.	6	No		
6.0a	Supply and install Ceiling fan and extractor points using 3 x 1.5mm2 PVC insulated Copper cables to be drawn in 20mm diameter PVC heavy gauge conduits.	25	No		
	Supply and install the following fittings:				
b	24" ceiling fans as Orient or an approved equivalent firmly fixed on the ceiling	12	No		
c	Wall mounted high speed kitchen exhaust fan/extractor with its DP switch	10	No		
7a	5Core 25mm sq PVC/SWA/PVC Armoured copper cable and its accessories from the power room to the looping boxes.	50	Lm		
	Total carried forward to Summary				

ADMINISTRATION BLOCK

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	LIGHTING INSTALLATION				
1a	Supply and install lighting points using 3 x 1.5mm^2 PVC insulated Copper cables to be drawn in 20mm diameter PVC heavy gauge conduits concealed in the floors, roof and for one gang one way switching but excluding the fittings and switches. Conduits to be laid during floor casting where necessary	6	No		
b	As Item 1a above but for photo cell switching.	4	No		
2.0	Supply and install 10 Amps rated moulded plate switches for flush mounting and as crabtree, clipsal or approved equivalent.				
a	One gang one way	6	No		
b	20 ampsPhotocell as zidion or approved equivalent	1	No		
3.0	Supply and install the following lighting fittings				
a	1200mm 36W single flourescent lamp ip65 fully polycarbonate weather resistant and corrossion proof luminairehigh frequency control gear as FITZGERALD Cat No PCW36/HF or approved equivalent.	9	No		
b	Super Bright outdoor 30W LED floodlight White Light IP65 Which is Waterproof and made of Aluminium and hardened glass.	4	No		
	POWER INSTALLATION				
4a	Supply and install the 13Amps single switched socket outlet point,wired using 3 x 2.5mm2 PVC insulated copper cables drawn in 20mm diameter PVC heavy gauge conduits laid concealed in the floors and walls but without the twin outlet plate.	10	No		
b	Supply and Install 13Amps twin switched socket outlet plate incorparating a pilot lamp and as MK Cat No. 26571 WH1/2647 WH1,or equivalent and approved.	10	No		
5a	Supply and Install Eight-ways consumer units as Havels or its approved equivalent complete with its integral switch	1	No		
	Install the following miniature circuit breakers (MCB'S) rated at 500Vac for item 5a Above				
b	10A (SP)	2	No		
c	32A (SP)	4	No		
d	63A (SP)	2	No		
6a	Supply and install Ceiling fan points using 3 x 1.5mm^2 PVC insulated Copper cables to be drawn in 20mm diameter PVC heavy gauge conduits.	5	No		
	Supply and install the following fittings:				
b	24" ceiling fans as Orient or an approved equivalent firmly fixed on the ceiling	5	No		
7a	Supply and install air conditioning circuits wired using 2x4mm2+1.5mm2 ECC PVC insulated copper cables drawn in 20mm diameter PVC heavy gauge conduits but excluding the 20A DP switch and the air conditioner	4	No		
b	Install flush mounted 20Amps DP switch complete with a pilot lamp and as MK CatNo 5423 WHI for the air conditioner	4	No.		
c	24000Btu/hr Air-Conditioners as LG,Samsung or its approved equivalent	2	No		
d	12000Btu/hr Air-Conditioners as LG,Samsung or its approved equivalent	2	No		
	Total for Electrical Works carried forward to Summary				

MECHANICAL WORKS

MECHANICAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	MECHANICAL WORKS				
	1NO. WARD				
1.0	**SANITARY FITTINGS**				
A	GENERAL PURPOSE SQUATING W.C Water closet suite ('S' or P'- trap) in approved colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless cistern fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, inlet connection 1No. 15mm Chrome plated angle valve as HANSGROHE "Angle Valve E" No. 1390200. All to be as Twyfords "Arabian" water closet or equal and approved.	2	No.		
B	WATER CLOSET (W.C.) SUITE Close coupled WC in white vitreous china , comprising bowl with Horizontal Outlet No. 017609; cistern and fitting with total install dual flush 6/4 litre push button No. GP2496WH; Heavy duty seat and cover No.GP7815WH; Dual Flush push button No.CF1002TG, 'S' or turned 'P' trap outlet connector. To be as DURAVIT BATHROOM FOSTER TOILET or equal and approved.	1	No.		
C	DISABLED UNIT Disable toilet suite comprising: WC with horizontal outlet, 2No. support rails, Doc M hinged support rail, Doc. M cistern and fittings, Doc. M seat ring, stainless steel seat hinges, No. 1240WH P trap connector or equal and approved.	1	No		
D	WASH HAND BASIN- VANITYTOP Drop in Basin (Vanity top) wash hand basin size 635 x 500mm and in white colour, with 1No. Taphole and chain stay hole, 32mm chrome plated chain waste 1No. Swan Neck Single Lever Mixer tap and 32mm diameter plastic bottle trap with 75mm seal. 1No. 15mm Chrome plated angle valve as HANSGROHE "Angle Valve E" No. 1390200 As Twyford or approved equivalent.	22	No.		
E	SPLASH/ HOSE BIB TAPS 15mm diameter chrome plated bib tap as pegler or equal and approved.	4	No.		
F	SHOWER FITTINGS 1.No. Giro Shower Head, 1 No. Kevon Shower Mixer and any other item necessary for installation. Or equal and approved.	3	No.		
G	SOAP DISH Wall mounted Chrome plated soap dish as DURAVIT "D-CODE" No. 009918 OR equal and approved.	3	No.		
H	MIRRORS 600 x 600 x 6mm thick plate glass mirror, similar or equal to Twyford "Bevelled mirror" No.PB 0383 XX. Mirrors shall be installed above all W.H.B's with Pedestals.	22	No.		
I	SOAP DISPENSER Wall mounted Soap dispenser as GROHE OR equal and approved.	11	No		
J	TOILET ROLL HOLDER Wall mounted toilet roll holder chrome plated. To be as DURAVIT KARREE No. 009955 or equal and approved.	4	No.		
K	ARABIC SHOWER TREDEX Arabic Shower, complete with 1 No. 15mm Chrome plated angle valves as HANSGROHE. The Arabic Shower to be as TREDEX B 51010+KH or Equal and Approved.	4	No.		
	TOTAL FOR SANITARY FITTINGS CARRIED FORWARD TO COLLECTION PAGE MW/5				

MECHANICAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
2.0	**COLD WATER PLUMBING INSTALLATION** **General Note:-** Price of pipework to include the cost of couplings, connectors, fixing brackets, holderbats, plugs and jointing to fittings etc., together with marking of pipe routes on walls and Floors for wall chasing and holes cutting by others all as required in the pipework installation. The following in PN 20PPRC conforming to the current European standards for PPR installations and to the Engineers approval, pipe jointing shall be by polyfusion or use of electric coupling. Rates must allow for all Metal/Plastic threaded adaptors where required for the connection of sanitary fixtures, support raceways , isolating sheaths, elastic materials, expansion arms and bends, crossovers etc. PIPEWORK				
A	32mm diameter pipe	12	LM		
B	25mm diameter pipe	84	LM		
C	20mm ditto	38	LM		
	ELBOW				
D	32mm diameter	10	No		
E	25mm diameter	52	No		
F	20mm ditto	45	No		
	TEES				
G	25 x 25 x 25 mm diameter	11	No		
	REDUCERS				
H	32mm-25mm reducers	1	No		
I	25mm-20mm ditto	8	No		
J	20mm-15mm ditto	15	No		
	SOCKETS				
K	32mm diameter	6	No		
L	25mm diameter	42	No		
M	20mm diameter	19	No		
	UNIONS				
N	32mm diameter	3	No		
O	25mm diameter	21	No		
P	20mm diameter	10	No		
Q	FLEXIBLE COPPER CONNECTIONS 15MM DIAMETER There are to be a maximum length of 300 mm each complete with connecting couplers per length.	22	No		
	GATE VALVES				
R	32mm diameter high pressure screw-down full way non-rising stem solid wedge disc gate valve to BS 5154 PN 16 for Series B Rating with wheel head and including jointing to steel tubing. As CRANE Model 156 or equal and approved	7	No		
	TOTAL FOR COLD WATER PLUMBING CARRIED FORWARD TO COLLECTION PAGE MW/5				

MECHANICAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
A	MALE/FEMALE THREADED ELBOW 15 mm diameter bend	13	No		
	MALE/FEMALE THREADED ADAPTORS				
B	32mm diameter	4	No		
C	25mm diameter	16	No		
D	STERILIZATION Allow for sterilization including flushing out water and chlorine to the satisfaction of the Engineer.	Item	Sum		
E	TESTING AND COMMISSSIONING Test and commission the entire internal water supply to the satisfaction of the Engineer.	Item	Sum		
	TOTAL FOR COLD WATER PLUMBING CARRIED FORWARD TO COLLECTION PAGE MW/5				

MECHANICAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
3.0	**DRAINAGE INSTALLATION** Supply, install, test and commission the following complete: General Note. Prices for pipework shall include the cost for couplings, connectors and jointing to fittings appliances etc., and fixing brackets all as required in the pipework installation, together with marking pipe routes on walls and floors for wall chasing and holes cutting by others. All UPVC couplings, branches, tees etc., are to be formed strictly in accordance with the manufacture's interactions. Jointing pipework by " heat formed sockets" etc., shall not be accepted.U.P.V.C. Soil, Waste and Ventilation Pipes and fittings to B.S. No. 5255 PIPEWORK waste pipe fixed to wall or wall chase including approved pipe clips or brackets				
A	40mm	42	LM		
B	50mm	24	LM		
C	100mm grey drain pipe fixed to wall surface or boxed to architect's detail	6	LM		
	UNDERGROUND UPVC PIPEWORK TO BS 4660:1963 GOLDEN BROWN SERIES				
D	100mm soil and waste pipe laid in or under concrete	96	LM		
	BENDS				
E	40mm	46	No.		
F	100mm	6	No.		
	TEE WITH ACCESS				
G	50 mm	10	No.		
H	VENT COWL TERRAIN No. 150.2	1	No.		
I	FLOOR TRAP Floor trap as " Key Terrain" 281.3 trapped Floor gully, 282.6 Floor gully inlet and grating.	10	No.		
J	GULLY TRAP Gully trap chamber size 250 x 250mm, approximately 400mm deep in 150mm blockwork with cement mortar joints, on 150mm thick mass concrete slab and plastered inside for 100mm trap and hopper. 40mm thick, 250 x 250mm cover to gully trap chamber.	10	No.		
K	INSPECTION CHAMBER Internal chambers not to exceed 1070 x 910mm and depth not to exceed 2000mm below finished floor or ground level. Wall thickness should be 150mm blockwork and it should have concrete base and rendered concrete benchinching 1:3:6 mix. The cover to be cast iron Grade "B" medium duty to BS 497 with double seal.	13	No.		
L	BIODIGESTER & SOAKPIT Allow construction of a 4 CM Biodigester complete with 2mx2mx5m soak pit .inclusive of excavations, back filling with hardcore, making an inspection chamber with cover and carting away excess excavated material.	1	No.		
	TOTAL FOR DRAINAGE INSTALLATION CARRIED FORWARD TO COLLECTION PAGE MW/5				

MECHANICAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
5.0	**PORTABLE FIRE EXTINGUISHERS** Supply, deliver, install, test and commission the flowing portable fire extinguishers and conforming to BS EN 3/BS 1449.				
A	CARBONDIOXIDE GAS EXTINGUISHER 4.5Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mountings brackets	2	No		
	TOTAL FOR PORTABLE FIRE EXTINGUISHERS C/F TO BELOW				
	COLLECTION PAGE **1NO. WARD**				
A	Total For Sanitary Fittings B/F from Page MW/1				
B	Total For Cold Water Plumbing Installation B/F from Page MW/2				
	Total For Cold Water Plumbing Installation B/F from Page MW/3				
D	Total For Drainage Installation B/F from Page MW/4				
E	Total For Portable Fire Extinguishers B/F from Above				
	TOTAL MECHANICAL WORKS FOR 1N0. WARD CARRIED FORWARD TO SUMMARY PAGE				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	COVERED WALKWAY.				
	Substructure				
A	Excavate oversite average 200mm loose soil and deposit on site not exceeding 100m away.	112	SM		
B	Excavate trench not exceeding 1.5m deep.	56	CM		
C	Return fill and ram selected materials around foundations.	28	CM		
D	Load surplus excavated materials and deposit on site not exceeding 100m away.	28	CM		
E	Approved hardcore filling including consolidating in layers 150mm thick.	34	CM		
F	50mm thick approved murram blinding on surface of hardcore rolled smooth.	112	SM		
G	50mm thick blinding concrete (1:4:8) under foundations.	46	SM		
H	Concrete (1:3:6) in foundations.	18	CM		
I	200mm thick rough chiseled natural stone walling bedded in cement and sand (1:3) mortar.	136	SM		
	Roof				
J	100mm diameter (GMS Class B) pipe 3.0m overall height with 6mm thick 'U' plate welded at top to receive 150x50mm timber beam and cross bars welded at bottom and embedded in 400mm diameter x 600mm deep mass concrete (m.s)	72	NO		
K	Concrete (1:3:6) in GMS pipe column bases.	2	CM		
L	50x50mm sawn cypress timber beam seasoned and treated with an approved wood preservative.	224	LM		
M	Extra over timber beam for fixing beam to mild steel plate with 12mm diameter x 100mm long steel bolt complete with nut and washer.	72	NO		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	SHS.
	Roof cont.				
A	100x50mm sawn cypress rafters.	120	LM		
B	100x50 ditto tie beam.	40	LM		
C	75x50mm ditto purlins.	560	LM		
D	200x25mm fascia board.	224	LM		
E	Gauge 28 prepainted IT5 BP950 profiled sheets fixed on timber purlins.	336	SM		
F	Gauge 28 prepainted ridge cap.	112	LM		
	Finishes				
G	30mm thick cement sand (1:4) screed finished on surface slab.	112	SM		
H	25mm thick plaster to all exposed surfaces of walling or concrete.	46	SM		
I	300x300x10mm thick approved non-slip ceramic tiles laid as per manufacturer's instructions.	Nill	SM		
	Painting				
J	Prepare surface and apply three coats plastic emulsion paint to plaster walls externally.	46	SM		
K	Prepare surface and apply three coats 'Crown' or other approved paint to surfaces of GMS pipes.	68	SM		
L	Ditto surface of fascia boards.	46	SM		
	TOTAL CARRIED TO COLLECTION BELOW				
	COLLECTION Brought forward from page GR/06 Brought down from above				
	TOTAL FOR: COVERED WALKWAY CARRIED TO SUMMARY				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 01				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	EARTHWORKS				
A	Clear site of all shrubs, grass, undergrowth and the like and burn arisings on site	SM	14		
B	Excavate pit for column bases depth not exceeding 1.50m commencing from reduced levels.	CM	22		
C	Excavate trench for strip footings depth not exceeding 1.50m commencing from reduced levels.	CM	12		
D	Extra over excavations for excavation in rock	CM	7		
	MAINTENANCE OF EXCAVATIONS				
E	Allow for maintaining sides of all excavations by plankin and strutting or other means as required. Additional works caused by the collapse of excavations through inadequate planking and strutting or removal of ground or rain water from excavations will be at the Contractors expense	Item			
F	Allow for keeping the excavations and works free from all water, including spring, storm and any other running water, by pumping or other means as required.	Item			
	DISPOSAL OF EXCAVATED MATERIAL				
G	Backfill selected excavated material fill around foundations or to make up levels : compact in layers not exceeding 150mm thick	CM	16		
H	Remove surplus excavated materials from site	CM	40		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	CONCRETE				
	PLAIN MASS CONCRETE (CLASS 15)				
A	50mm Thick blinding under column bases	SM	22		
B	Ditto under strip footings	SM	14		
	VIBRATED REINFORCED CONCRETE (CLASS 25)				
C	Column bases	CM	4		
D	Column	CM	1		
E	Strip footings	CM	3		
	REINFORCEMENT				
	Square twisted high tensile steel bar reinforcement to B.S. 4461 and K.S. 02-22:1976				
F	10mm Bars	Kg	220		
G	12mm Bars	Kg	280		
	FORMWORK				
H	Vertical sides of column bases	SM	18		
I	Vertical sides of columns	SM	18		
J	Vertical sides of strip footings	SM	10		
	FOUNDATION WALLING				
	Approved quarry hand dressed natural stone foundation wall bedded and jointed in cement and sand (1:3) mortar and reinforced every alternate course with hoop iron				
K	200mm Thick foundation walls	SM	19		
	CARRIED TO COLLECTION				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	PLINTH TREATMENT				
A	12mm thick cement/sand (1:4) render to plinth	SM	5		
B	Prepare and apply three coats black Bituminous paint on rendered plinth	SM	5		
	CARRIED TO COLLECTION				
	COLLECTION PAGE				
	Total brought forward from page BW/1				
	Total brought forward from page BW/2				
	Total brought forward from page BW/3				
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 01 SUBSTRUCTURE				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 02				
	REINFORCED CONCRETE FRAME				
	CONCRETE				
	VIBRATED REINFORCED CONCRETE (CLASS 25)				
A	Columns	CM	6		
B	Beams	CM	1		
C	Beams Curved	CM	2		
D	100mm Thick suspended horizontal slab	SM	36		
	REINFORCEMENT				
	Square twisted high tensile steel bar reinforcement to B.S. 4461 and K.S. 02-22:1976				
E	10mm Bars	Kg	300		
F	12mm Bars	Kg	310		
	FORMWORK				
G	Vertical sides of columns	SM	105		
H	Vertical sides and soffits of beams	SM	72		
	CARRIED TO SUMMARY			KES	
	ELEMENT NO. 02 REINFORCED CONCRETE FRAME				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 03				
	SUPERSTRUCTURE WALLING				
	DAMP PROOF COURSES				
	Approved horizontal damp proof course to B.S. 743 laid under walling (measured net - no allowance made for laps) including leveling bed				
A	200mm Wide	LM	24		
	WALLING				
	Machine cut Ngong blue stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced every alternate course with hoop iron				
B	200mm Thick wall	SM	94		
	MILD STEEL WALL				
C	50 x 50 x 3 mm Square hollow section bar	Lm	96		
D	75 x 50 x 3 mm Rectangular hollow section bar 300mm long formed to form sharp end one side and welded to 50mm bar (measured separately) including grouting into masonry	No	7		
E	25 x 25 x 3 mm Square hollow section bar 300mm long twice welded to 75mm bar (Measured separately)	No	151		
F	Prepare, prime and paint two undercoats on surfaces of metal work not exceeding 100mm girthand one gloss finishing coat of oil paint	Lm	45		
G	Do but surfaces of metal work 100-200mm girth	Lm	98		
	CARRIED TO SUMMARY			KES	
	ELEMENT NO. 03 SUPERSTRUCTURE WALLING				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 04				
	RAINWATER GOODS (ALL PROVISIONAL)				
	150mm diameter UPVC gutter fixed to fascia board with all it's necessary parts.	Lm	14		
	100mm diameter UPVC down pipe in duct or fixed to wall with and including approved holderbats at 1200mm centres	Lm	16		
	Exta over down pipe for swan neck	No.	4		
	Ditto horse shoe	No.	4		
	Ditto bend	No.	4		
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 04 RAINWATER GOODS				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 5				
	FINISHES				
	EXTERNAL WALL FINISHES				
	RENDERS AND PAINTS				
	Cement and sand (1:5) external rendering finished with a wood float				
A	12mm Cement and sand (1:5) external rendering finished with a wood float on brick walling or concrete surfaces	SM	187		
	FINISHING				
B	Prepare and apply one undercoat and three coats of "Crown Solo" or equal and approved Hi Matt Vinyl emulsion paint on plastered concrete surfaces	SM	187		
	CEILING FINISHES				
	FINISHING				
	Prepare and apply three coats plastic emulsion paint internally on:-				
C	To soffits of Suspended slab	SM	36		
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 07 FINISHES				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	ELEMENT NO. 6				
	MAIN ENTRANCE GATE				
	Gates				
A	6000 x 3000mm high mild steel double gate each leaf comprising 50 x 50 x 3mm thick RHS frame all round, painted 2 mm thick metal sheet welded between 50 x 50 hollow mild steel frame, 25 x 25 x 3mm decorative steel RHS upright bars at 150mm c/c to details infilled with 25mm thick timber including hanging gates to RHS post (m/s) fixed to stone piers with fishtailed holdfast 50 x 6mm quadrant plate at 900mm centre and fixed to ground with fishtailed holderfast bedded in concrete and applying one coat red oxide prime and apply three coats gloss oil paint	No.	1		
B	900 x 2400mm high single wicket/pedestral gate ditto	No.	1		
C	100 x 100 x 6mm thick mild steel SHS post fixed to stone pier (m/s)	Lm	18		
	Painting				
	Prepare and apply approved specialist spray painting touch up primer and three coats sadocryl or equal approved metallic paint.				
D	General metal surfaces	SM	36		
	CARRIED TO SUMMARY			KES	
	BILL NO. II ELEMENT NO. 05 FINISHES				

Item No.	Description	Unit	Quantity	Rate (Kshs)	Amount (Kshs)
	MAIN WORKS SUMMARY				
Item No.	ELEMENT NO.				Amount
1	SUBSTRUCTURES				
2	REINFORCED CONCRETE SUPERSTRUCTURES				
3	WALLING				
4	ROOFING AND RAINWATER DISPOSAL				
5	FINISHES				
6	MAIN ENTRANCE GATE				
	CARRIED TO GRAND SUMMARY			KES	
	BILL NO. II MANDERA REFERRAL HOSPITAL				

PC AND PROVISIONAL SUMS

ITEM	DESCRIPTION	SHS	
	PROVISIONAL SUMS		
A	Allow a Provisional Sum Of Kenya Shillings Five Hundred Thousand (Kshs.500, 000) Only For Contingencies.	500,000	00
B	Allow A Provisional Sum of Two Million Four Hundred Thousand Shillings (Kshs. 2,400,000) Only for Project Management.	2,400,000	00
C.	Allow A Provisional Sum of One Hundred Thousand Shillings (Kshs. 100,000) Only for Landscaping.	100,000	00
	TOTAL CARRIED TO GRAND SUMMARY	3,000,000	00

BILLS OF QUANTITIES FOR THE PROPOSED LAFEY LEVEL IV HOSPITAL
GRAND SUMMARY

ITEM	DESCRIPTION		For Contractor's use only		For official use only	
A	Preliminaries (Particular and General)	GP/13				
B	Ward	WRD/22				
C	Administration Block	AB/15				
D	Ablution Block	AB/22				
E	Underground water tank	RT/4				
F	Completion of theatre	PG/13				
G	Electrical Works	EW/02				
H	Mechanical Works	MECH GR/02				
I	Covered Walkway	pg 9				
J	Main Gate					
K	P.C. &P. SUMS	PC&PS/01	**3,000,000**	**00**	**3,000,000**	**00**
	SUB TOTAL					
ADD 16% VAT						
TOTAL CARRIED TO FORM OF TENDER						

Kenya Shillings……

……

Contractor: ……

VAT Registration No: ……..

Pin No: ……..

Address: ……

Signature: …… Date: ……

Witness: ……

Address: ……

Signature: …….. Date: ……

GS/01