

GOVERNMENT OF MAKUENI COUNTY



**TENDER DOCUMENTS
FOR
PROPOSED COMPLETION AND MODIFICATION OF
MBOONI ISOLATION UNIT INTO MOTHER AND
CHILD HOSPITAL (MCH)
MAKUENI COUNTY**

**EMPLOYER GOVERNMENT OF
MAKUENI COUNTY DEPARTMENT OF
HEALTH SERVICES P.O. BOX 78 - 90300,
MAKUENI**

EMPLOYER'S REPRESENTATIVE
The Chief Officer, Health Human Resources
Mangement & Administration
County Department of Health Services
Makueni County

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APRIL 2025

SECTION NO. 1
PRELIMINARIES

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u>				
<u>PRELIMINARIES</u>				
<u>BILL NO. 1</u>				
<u>PARTICULAR PRELIMINARIES</u>				
<i>Pricing of Preliminaries</i>				
A Prices SHALL BE INSERTED against items of “preliminaries” in the tenderers priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.	Item			
<i>Description of Works</i>				
B The works to be carried out under this contract is; COMPLETION AND ALTERATIONS OF A HOSPITAL BUILDING COMPRISING GROUND FLOOR, FIRST FLOOR AND ROOFTOP SLAB (DEMOLITION & ALTERATIONS, FINISHES, DOORS, WINDOWS ETC) WITH ALL THE ASSOCIATED, ELECTRICAL, MECHANICAL WORKS, CIVIL AND EXTERNAL WORKS	Item			
<i>Floor Areas</i>				
C The Total floor area is approximately 2400 Square Metres (for guidance purposes only)	Item			
<i>Measurements</i>				
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.	Item			
<i>Site Location</i>				
E The site of the proposed works is at Mbooni Sub-County Hospital, Near Kikima Shopping Centre, Mbooni, Makueni County. 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.	Item			
Carried to Collection			KSh	
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Bill No. 1				
Particular Preliminaries				
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Item	Unit	Quantity	Rate	Amount
<p><i>Demolition and Alterations</i></p>				
<p>A The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager</p> <p>The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described.</p> <p>The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned</p>	Item			
<p><i>Claims</i></p>				
<p>B It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>	Item			
<p>Carried to Collection</p>			KSh	
<p>Section No. 1 Bill No. 1 Particular Preliminaries</p>				

Item	Unit	Quantity	Rate	Amount
<i>Payments</i>				
A The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements	Item			
<i>Clearing Away</i>				
B 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.	Item			
<i>Labour Camps</i>				
C 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.	Item			
<i>Prevention of Accidents, Damage or Loss</i>				
D The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.	Item			
<i>Sign Board</i>				
E 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.	Item			
Carried to Collection			KSh	
Section No. 1 Bill No. 1 Particular Preliminaries				

Item	Unit	Quantity	Rate	Amount
Materials From Demolition				
A	Item			
Any materials arising from demolitions and not re-used shall become the property of the Client				
Pricing Rates				
B	Item			
The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.				
Urgency of Works				
C	Item			
The Contractor is notified that these “ works are urgent” and should be completed within the period stated in these Particular Preliminaries				
The Contractor shall allow in his rates for any costs he/she deems that he/she may incur by having to complete these works within the stipulated contract period.				
Firm Price Contract				
D	Item			
This is a firm price contract and, therefore the tenderer shall not be reimbursed for any increases in the costs of materials and/or labour in the execution of the works except as provided under the fluctuations clause.				
Payment for Materials on Site				
E	Item			
All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.				
Adjoining Property				
F	Item			
Take all necessary precautions to prevent damage to adjoining property. Any damage occurring must be made good to the satisfaction of the PM and/or owner(s) of the adjoining property at the contractor’s expense.				
Use of Site				
G	Item			
Do not use the site for any other purpose other than carrying out the works. Do not permit or display any advertisement without the consent of the Project Manager				
Carried to Collection			KSh	
Section No. 1				
Bill No. 1				
Particular Preliminaries				

Item	Unit	Quantity	Rate	Amount
<p>Existing Services</p> <p>A Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>	Item			
<p>Bid Security</p> <p>B The tenderer shall provide a Bid Security not exceeding 2% in accordance with clause 3.7 of the Instructions to Tenderer's.</p>	Item			
<p>Quality of the Works</p> <p>C The works should be of high quality and the contractor will be required to make samples of the work to be executed for approval by the PM before he commences the carrying out of the works. The contractor should allow for sample works in his rates accordingly. In case a sample does not meet the standards set by the PM, the contractor shall be expected to make another sample at his cost until it is approved by the PM.</p>	Item			
<p>Performance Bond</p> <p>D A bond of 7 1/2% of the contract sum will be required in accordance with clause 6.5, award of contract of the Conditions of Contract. No payment will be made without the required performance security.</p>	Item			
<p>Delivery of Tender</p> <p>E Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited in the tender box as specified in the advertisement and or letter of invitation to tender. Tenders will be opened at the time specified in the advertisement and/or letter of invitation to tender. Tenders arriving later than the specified time will not be considered.</p>	Item			
<p>Carried to Collection</p>			KSh	
<p>Section No. 1 Bill No. 1 Particular Preliminaries</p>				

Amount

BILL NO. 1

PARTICULAR PRELIMINARIES

COLLECTION

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Carried To Section Summary

KSh

Section No. 1

Bill No. 1

Particular Preliminaries

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u>				
<u>PRELIMINARIES</u>				
<u>BILL NO. 2</u>				
<u>GENERAL PRELIMINARIES</u>				
<u>GENERAL PRELIMINARIES</u>				
<i>Pricing Items of Preliminaries and Preambles</i>				
A Prices will be inserted against items of preliminaries in the contractor's priced Bills of Quantities and Specifications The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.	Item			
<i>Abbreviations</i>				
B Throughout these Bills, Units of Measurements and terms are abbreviated and shall be interpreted as follows				
C.M. Shall mean cubic metre				
S.M. Shall mean square metre				
L.M. Shall mean linear metre				
MM Shall mean 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.	Item			
Carried to Collection			KSh	
Section No. 1				
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General Preliminaries				

Item	Unit	Quantity	Rate	Amount
<i>Fix Only</i>				
A '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.	Item			
<i>Names and Addresses of Employer and Consultants</i>				
B The 'Employer or Client' is The GOVERNEMNT OF MAKUENI COUNTY, DEPARTMENT OF HEALTH SERVICES	Item			
C The 'Client's Representative' is The CHIEF OFFICER, COUNTY DEPARTMENT OF HEALTH SERVICES	Item			
D The 'Architect' is The STATE DEPARTMENT OF PUBLIC WORKS, ARCHITECTURAL DEPARTMENT	Item			
E The 'Quantity Surveyor & Supervising Consultants' is COST & VALUE MANAGEMENT CONSULTANTS LTD, P.O BOX 555 -00242, KITENGELA	Item			
F The 'Electrical Engineer' is The COUNTY DEPARTMENT OF INFRASTRUCTURE, TRANSPORT, PUBLIC WORKS & ENERGY, MAKUENI COUNTY	Item			
G The 'Mechanical Engineer' is The COUNTY DEPARTMENT OF INFRASTRUCTURE, TRANSPORT, PUBLIC WORKS & ENERGY, MAKUENI COUNTY	Item			
<i>Form of Contract</i>				
H The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works (2006 Edition) included herein	Item			
Carried to Collection			KSh	
Section No. 1 Bill No. 2 General Preliminaries				

Item	Unit	Quantity	Rate	Amount
<i>Performance Bond</i>				
A	Item			
The Contractor shall find and submit on the Form of Tender an approved bank who will be willing to be bound to the Government in an amount equal to five per cent (5) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the PROJECT MANAGER and who will, when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.				
<i>Plant, Tools and Vehicles</i>				
B	Item			
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				
<i>Transport</i>				
C	Item			
Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.				
<i>Materials and Workmanship</i>				
D	Item			
All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also ensure they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.				
Carried to Collection			KSh	
Section No. 1 Bill No. 2 General Preliminaries				

Item	Unit	Quantity	Rate	Amount
<p><i>Sign for Materials Supplied</i></p> <p>A The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>	Item			
<p><i>Storage of Materials</i></p> <p>B The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	Item			
<p><i>Samples</i></p> <p>C The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Land, Housing and Urban Development</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub- contractors' work.</p>	Item			
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 2 General Preliminaries</p>			KSh	

Item	Unit	Quantity	Rate	Amount
<i>Government Acts Regarding Workplace Etc</i>				
A Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.				
The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.	Item			
<i>Security of Works etc</i>				
B The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.	Item			
<i>Public and Private Roads</i>				
C Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER	Item			
<i>Existing Properties</i>				
D The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER	Item			
Carried to Collection			KSh	
Section No. 1				
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Item	Unit	Quantity	Rate	Amount
<p><i>Visit Site and Examine Drawings</i></p> <p>A The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	Item			
<p><i>Access to Site and Temporary Roads</i></p> <p>B Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER The Contractor should also allow for relocating existing fence (approx. 30 metres long).</p>	Item			
<p><i>Area to be occupied by the Contractor</i></p> <p>C The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>	Item			
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 1 Bill No. 2 General Preliminaries</p>				

Item	Unit	Quantity	Rate	Amount
<p>A <i>Office etc for the Project Manager</i> The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the standard type, complete with furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the 'PROJECT MANAGER' a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>	Item			
<p><i>Water and Electricity Supply for the Works</i> B The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-- contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>		Item		
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 2 General Preliminaries</p>			KSh	

Item	Unit	Quantity	Rate	Amount
<p>A <i>Sanitation of the Works</i> The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>	Item			
<p>B <i>Supervision and Working Hours</i> The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>	Item			
<p>C <i>Provisional Sums</i> The term 'Provisional Sum' wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement. Such sums are net and no addition shall be made to them for profit.</p>	Item			
<p>D <i>Prime Cost (P.C.) Sums</i> The term 'Prime Cost Sum' or 'P.C. Sum' wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>	Item			
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 1 Bill No. 2 General Preliminaries</p>				
<p>1-16</p>				

Item	Unit	Quantity	Rate	Amount
<p>A <i>Progress Chart</i> The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds</p>	Item			
<p>B <i>Adjustment of P.C. Sums</i> 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' Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	Item			
<p>C <i>Adjustment of Provisional Sums</i> In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 2 General Preliminaries</p>			KSh	

Item	Unit	Quantity	Rate	Amount
items added	Item			
<i>Nominated Sub-Contractors</i>				
B When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".	Item			
<i>Direct Contracts</i>				
C Notwithstanding the foregoing conditions, the Government reserves the right to place a 'Direct Contract' for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.	Item			
<i>Attendance Upon Other Tradesmen etc</i>				
D The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.	Item			
Carried to Collection			KSh	
Section No. 1				
Bill No. 2				
General Preliminaries				
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Item	Unit	Quantity	Rate	Amount
<p>Insurance</p> <p>A InsurThe Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.ance</p>	Item			
<p>Provisional Work</p> <p>B All work described as 'Provisional' in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All 'Provisional' and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>	Item			
<p>Alterations to Bills, Pricing etc</p> <p>C Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>	Item			
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 1</p>				
<p>Bill No. 2</p>				
<p>General Preliminaries</p>				
<p>1-19</p>				

Item	Unit	Quantity	Rate	Amount
<p>A <i>Blasting Operations</i> Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>	Item			
<p>B <i>Materials Arising from Excavations</i> Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	Item			
<p>C <i>Protection of the Works</i> Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>	Item			
<p>D <i>Removal of Rubbish etc</i> Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>	Item			
<p>Carried to Collection</p>			KSh	
<p>Section No. 1</p>				
<p>Bill No. 2</p>				
<p>General Preliminaries</p>				
<p>1-20</p>				

Item	Unit	Quantity	Rate	Amount
<p>Works to be Delivered Up Clean</p> <p>A Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p>	Item			
<p>General Specifications</p> <p>B For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads, Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	Item			
<p>Training Levy</p> <p>C The Contractor's attention is drawn to legal notice No.237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs.50,000.00 in value.</p>	Item			
<p>Materials on Site</p> <p>D All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	Item			
<p>Carried to Collection</p>			KSh	
<p>Section No. 1 Bill No. 2 General Preliminaries</p>				
<p>1-21</p>				

Item	Unit	Quantity	Rate	Amount
<p>Hoarding A The Contractor shall enclose all the areas under construction with approved material to the satisfaction of the PROJECT MANAGER</p>	Item			
<p>Contractor's Superintendence / Site Agent B The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	Item			
<p>Section No. 1 Bill No. 2 General Preliminaries</p>	Carried to Collection		KSh	

Amount

BILL NO. 2

GENERAL PRELIMINARIES

COLLECTION

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Section No. 1

Bill No. 2

General Preliminaries

1-23

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Bill No.	<u>SECTION NO. 1</u> <u>PRELIMINARIES</u> <u>SECTION SUMMARY</u>	Page	KSh
1	PARTICULAR PRELIMINARIES	1-8	
2	GENERAL PRELIMINARIES	1-23	
	Carried to Final Summary		
	Section No. 1 SECTION SUMMARY		

SECTION NO. 2
BUILDER'S WORKS

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDER'S WORKS</u> <u>BILL NO. 1</u> <u>DEMOLITIONS & ALTERATIONS</u></p>				
<p>DEMOLITIONS</p>				
<p><i>Existing Walls</i></p>				
A	Item			
<p>Carefully demolish 200mm thick masonry walling plastered on both sides and store the salvaged stones for re use(Approx. 500m2)</p>				
<p><i>Door Frames</i></p>				
B	No	45		
<p>Carefully remove 900 x 2100 door frames in walls to be demolished and store in site for re-use</p>				
C	No	2		
<p>Ditto but 2500x 2100mm frame</p>				
<p><i>Window Casements</i></p>				
D	No	9		
<p>Carefully remove mild Steel casement window frames 1500mm (average) high fixed all round to plastered masonry walling, store frames on site for re-use and cart away arisings</p>				
<p>Carried To Section Summary</p>			<p>KSh</p>	
<p>Section No. 2 Bill No. 1 Demolitions & Alterations</p>				
<p>2-2</p>				

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDER'S WORKS</u> <u>BILL NO. 2</u> <u>SUBSTRUCTURES</u></p>				
<p>SITE CLEARANCE</p>				
<p><i>Site clearance</i></p>				
A	<p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 600mm girth, disposing arisings</p>			
	m ²	22		
<p>EXCAVATIONS ETC</p>				
<p><i>Digging up topsoil</i></p>				
B	<p>Digging up topsoil to an average depth of 150mm and preserving for use as filling</p>			
	m ²	22		
<p><i>Excavation in Trenches</i></p>				
C	<p>Not exceeding 1.5m deep</p>			
	m ³	9		
<p><i>Extra over bulk excavations in earth for excavation in</i></p>				
D	<p>Soft rock wherever it occurs</p>			
	m ³	1		
<p><i>Extra over all excavations for carting away</i></p>				
E	<p>Surplus material from excavations and/or stock piles on site for reuse or transported to a dumping site to be located by the contractor</p>			
	m ³	10		
<p><i>Return, Fill & Ram</i></p>				
F	<p>Excavated materials around the foundations</p>			
	m ³	4		
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 2 Bill No. 2 Substructures</p>				
<p>2-3</p>				

Item	Unit	Quantity	Rate	Amount
FILLING				
<i>Hardcore</i>				
A 300mm thick natural stone hardcore or other approved material: well watered and compacted in 150 mm thick (maximum) layers	m ²	22		
<i>Blinding</i>				
B 50 mm Thick approved quality murrum blinding to surfaces of hardcore	m ²	22		
WATERPROOFING				
<i>Damp Proof Underlay</i>				
C Gauge 500 polythene underlay laid on hardcore blinding	m ²	22		
WEED KILLERS, INSECTICIDES, ETC				
<i>Anter-termite Treatment</i>				
D 'Termidor' anti-termite chemical treatment: applied by Insecta Ltd. or other approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	m ²	22		
UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
<i>50 mm thick mass concrete (1:4:8) in:-</i>				
E Surface blinding under surface beds	m ²	6		
Carried to Collection			KSh	
Section No. 2				
Bill No. 2				
Substructures				
2-4				

Item	Unit	Quantity	Rate	Amount
NATURAL STONEMWORK				
<i>Approved natural stonework; roughly squared; bedded in cement mortar (1:4); 25 mm wide x 20 Gauge hoop iron strapping every alternate course</i>				
A	m ²	13		
PLINT TREATMENT				
<i>15mm thick Cement plaster wood floated, on Plinth</i>				
B	m ²	83		
<i>One coat alkali resistant primer and two coats superior quality Bituminous paint for interior and exterior use</i>				
C	m ²	83		
Carried to Collection			KSh	
Section No. 2 Bill No. 2 Substructures				
2-6				

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDER'S WORKS</u> <u>BILL NO. 3</u> <u>WALLING</u></p>				
<p>NATURAL STONEMWORK</p>				
<p><i>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described; including cutting as required; in;</i></p>				
A	m ²	200		
<p><i>Aluminium and MDF composite framework comprising of heavy duty; powder coated aluminium framing; comprising 100x50x3mm top,middle and bottom sections complete with channels, 25x25mm anodized aluminium glazing beading and 20mm rubber glazing strips to architects approval in;</i></p>				
B	m ²	115		
<p>Carried To Section Summary</p>			<p>KSh</p>	
<p>Section No. 2 Bill No. 3 Walling</p>				
<p>2-8</p>				

Item	Unit	Quantity	Rate	Amount
SECTION NO. 2				
BUILDER'S WORKS				
BILL NO. 4				
DOORS & WINDOWS				
DOORS PANELS				
<i>Flush Doors, Mahogany veneered both sides</i>				
A				
45mm Thick Solid Core Double Leaf, Double Swing door size 1500 x 2100mm high	No	15		
B				
45mm Thick Solid Core Single Leaf door size 900 x 2100mm high	No	47		
C				
45mm Thick Semi Solid Core Single Leaf door size 900 x 2100mm high	No	39		
<i>Hardwood Timber Panel Door</i>				
D				
50mm Thick, double leaf door size 1800x2100mm high	No	2		
FRAMED FRAMES, MULLIONS, TRANSOMS, ETC				
<i>Wrought Mahogany in</i>				
E				
Take from store, repair/adjust and fix door frames 150 x 50mm Door Frames	m	161		
F				
Supply and fix door frames 150 x 50mm Door Frames	m	169		
BEADS, ARCHITRAVES, SILLS				
<i>Wrought Mahogany in</i>				
G				
15mm Quadrant beads	m	541		
H				
40 x 25mm Architraves	m	541		
Carried to Collection			KSh	
Section No. 2				
Bill No. 4				
Doors & Windows				

Item	Unit	Quantity	Rate	Amount
IRONMONGERY				
<i>All as per Assa Abloy or equal and approved catalogue</i>				
A	100mm brass Butt hinges	Pairs	135	
B	100mm Double action hinges Code: HN-DA-4-SSS	No	90	
C	Three Lever Mortice locksets complete with handles	No	47	
D	Two - lever rebated lockset	No	39	
STEEL DOORS AND WINDOW CASEMENTS				
<i>Supply and install heavy duty mild steel door with a 50x50x3mm RHS frame, complete with weather stripping, powder coated finish, 3 heavy duty hinges, and a high-security multi-point locking system. Fixed with lugs built into concrete or stone walls, pointed externally in mastic finished with one shop coat primer</i>				
E	Double door 2100 x 2400mm high with rebated frame with heavy duty mortice lock and all accessories	No	1	
F	Double door 1500 x 2400mm high with rebated frame with heavy duty mortice lock and all accessories	No	1	
G	Double door 1200 x 2400mm high with rebated frame with heavy duty mortice lock and all accessories	No	1	
<i>Supply and fix a standard steel casement window, fabricated from 2mm thick mild steel hollow sections, glazed with 5mm thick clear float glass (ms), complete with brass hinges, multi-point locking mechanism, and weather seals, finished with two coats of exterior grade paint, as per drawings</i>				
H	Window 4650x 1800mm high	No	4	
I	Window 3500 x 1800mm high	No	4	
Carried to Collection			KSh	
Section No. 2				
Bill No. 4				
Doors & Windows				
2-10				

Item	Unit	Quantity	Rate	Amount
PAINT TO WOOD SURFACES				
<i>One coat primer and two coats premium quality polyurethane enamel paint</i>				
A	m ²	412		
B	m ²	216		
Carried to Collection			KSh	
Section No. 2 Bill No. 4 Doors & Windows				
2-12				

Amount

BILL NO. 4

DOORS & WINDOWS

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Section No. 2

Bill No. 4

Doors & Windows

2-13

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDER'S WORKS</u> <u>BILL NO. 5</u> <u>FINISHES</u></p>				
<p>FLOOR FINISHES</p>				
<p><i>Allow for corrective Screeds wood floated, on concrete to achieve levels, (Provisional where necessary)</i></p>				
A	Average 12mm Thick on floors and landings to receive new finish, including cleaning and preparing existing screed	m ²	1,150	
<p><i>Ceramic tiles as 'SAJ CERAMIC' or other equal and approved bedded and jointed in cement and sand (1:3) mortar and flush pointed with white cement</i></p>				
B	400 x 400 x 10mm On floors	m ²	2,110	
C	Ditto to Skirting, 150mm high	m	268	
<p><i>Non-Slip ceramic floor tiles on 20mm bedding on concrete and flush pointed with epoxy grout</i></p>				
D	8mm Thick to floors in wet areas	m ²	175	
E	Ditto to risers 150mm high	m	68	
F	10mm Thick on Staircase landings	m ²	11	
G	Ditto on Treads 300mm wide	m	68	
H	On raking and stepped outer edges of stairs 200mm wide extreme	m	31	
Terrazzo				
Carried to Collection			KSh	
Section No. 2 Bill No. 5 Finishes				
2-14				

Item	Unit	Quantity	Rate	Amount
<i>Supply and install a 15mm thick, medium-sized white marble aggregate terrazzo floor with a grey cement binder, to be polished to a high gloss, including all necessary surface preparation and polishing</i>				
A	Entry Ramps	m ²	22	
B	Ditto to internal Ramps	m ²	110	
WALL AND CEILING FINISHES				
<i>Plaster; 9mm thick first coat of cement and sand (1:3); 3mm second coat of cement and lime putty (1:10); steel trowelled smooth</i>				
C	to internal walls	m ²	450	
<i>Ceramic wall tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted grout in wet areas</i>				
D	8mm thick to walls	m ²	315	
Paint Work				
One coat alkali resistant primer and two coats PVA emulsion paint for interior use to				
E	Walls	m ²	4,021	
F	Ceiling and Beams	m ²	2,374	
EXTERNAL WALL FINISHES				
<i>Plaster (1:4); wood floated</i>				
G	19mm thick render to beam & column concrete surfaces	m ²	340	
			KSh	
Section No. 2				
Bill No. 5				
Finishes				
Carried to Collection				
2-15				

Item	Unit	Quantity	Rate	Amount
<p>A Keying and Pointing Extra over walling for horizontal recessed and flush vertical key pointed joints in cement and sand (1:4) mortar.</p>	m ²	935		
<p>B One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use Plastered beams and columns externally</p>	m ²	340		
Carried to Collection			KSh	
Section No. 2				
Bill No. 5				
Finishes				

Item	Unit	Quantity	Rate	Amount
SECTION NO. 2				
<u>BUILDER'S WORKS</u>				
<u>BILL NO. 6</u>				
<u>ROOF COVERING</u>				
WATERPROOFING TO ROOFSLAB				
<i>One layer 4mm special bituminous fully bonded waterproof membrane comprising a matrix modified with polypropylene dual reinforced with non-woven polyester cloth and glass fibre tissue, laid with 75mm side and 100mm end laps or other similar and approved material</i>				
A	On flat roofs	m ²	1,187	
B	On walls, 600mm high skirting	m ²	156	
<i>Cement Sand Protective Screed (mix 1:4)</i>				
C	15mm Thick; evenly and carefully applied over waterproof membrane	m ²	1,343	
<i>Interlocking Floor Tiles</i>				
D	19mm precast concrete floor tiles	m ²	1,343	
ROOF STRUCTURE (PROVISIONAL)				
(G.I. Sheet roof to canopies, Ramp & Staircase wells)				
<i>Sawn cypress: second grade: clean: well seasoned and treated with approved wood preservative: pressure-impregnated with celcure 'A': with and including all jointing and connections as necessary: in roof: to roof trusses with nailed connections, various spans including hoisting and fixing above finished floor level</i>				
E	150x50mm in Trusses	m	300	
F	50 x 100mm Purlins	m	260	
			KSh	
Carried to Collection				
Section No. 2				
Bill No. 6				
Roof Covering				

Item	Unit	Quantity	Rate	Amount
A 150 x 50mm Wall plate fixed to concrete or block wall with and including hoop iron fixing cramps at 450mm centres.	m	90		
Roof Covering				
B IT5-28G pre-painted resin coat box profile roofing sheets; colour as selected by Architect; fixed with self-drilling fasteners to steel purlins; allow foam fillers to open eaves and ridge	m ²	168		
RAIN WATER DISPOSAL				
Gutters				
C 200mm half round PVC gutters and fittings; allow for outlets as approved.	m	52		
DownPipes				
Heavy gauge UPVC pipes and fittings : solvent welded connections : allow for outlets : with metal brackets at 750 mm centres				
D Provide 100mm diameter Uplasticised PVC fulbora roof outlet with dome grating; cut into parapet walling or cored into cast concrete slab; allow for EPDM rubber sheet finish around outlets	No	10		
E 100mm diameter downpipes	m	84		
F Extra over for fittings	No	12		
Fabricate and fix internal canopy in mild steel and IT5 Gauge 28 roof sheeting				
Steel Supported internal canopy at courtyard				
Carried to Collection			KSh	
Section No. 2				
Bill No. 6				
Roof Covering				
2-19				

Amount

BILL NO. 6
ROOF COVERING
COLLECTION

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Section No. 2
Bill No. 6
Roof Covering

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Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDER'S WORKS</u> <u>BILL NO. 7</u> <u>BALUSTRADING & JOINERY</u></p>				
<p>BALUSTRADING</p>				
<p><i>Mild steel; with smooth welded joints and all necessary connection plates and bolts: Balustrades and railings: all joints ground smooth : one shop coat primer, undercoat and spray paint with automotive metallic and gloss paint as directed</i></p>				
A	m	86		
<p>900 mm High raking balustrading comprising : 75mm x 50mm mahogany timber handrail (ms) screwed to 3mm mild steel flat bar welded to 50x6mm ms flat balusters. 30 mm diameter stainless steel horizontal intermediate rails</p>				
<p>Hand Rail</p>				
B	m	86		
<p>75 mm x 50mm mahogany timber handrail: Including extra over for forming bends</p>				
<p>Grilage</p>				
C	m ²	45		
<p>25x25x2mm thick mild steel RHS at 200mm c/c vertically including priming and painting</p>				
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 2 Bill No. 7 Balustrading & Joinery</p>				
<p>2-22</p>				

Item	Unit	Quantity	Rate	Amount
JOINERY				
<i>Supply, deliver, and install countertops comprising 20mm thick polished granite countertops in an approved color, with smooth rounded edges, properly jointed, and sealed with waterproof adhesive. The countertops shall be supported by an 18mm thick MDF (Medium Density Fiberboard) or marine plywood base laminated with high-pressure laminate (HPL) in an approved color, reinforced with 50x50mm mild steel square tubes, powder-coated for durability. Under-counter storage units shall be constructed from 18mm thick MDF with soft-close hinges, integrated locks, and aluminum handles, while drawers shall be fitted with ball-bearing runners. The installation shall include properly sealed edges and corners, integrated cable and plumbing provisions for dispensing units and computers, and secure fixing to masonry or metal support framework with anchor bolts and adhesive, followed by leveling and polishing for a high-quality finish.</i>				
A	Granite Countertop in laboratory, customer care, Billing and cash office	m ²	20	
B	Base units for support	m ²	34	
Carried to Collection			KSh	
Section No. 2				
Bill No. 7				
Balustrading & Joinery				
2-23				

Amount

BILL NO. 7

BALUSTRADING & JOINERY

COLLECTION

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Section No. 2

Bill No. 7

Balustrading & Joinery

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SECTION NO. 3
EXTERNAL WORKS

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 3</u> <u>EXTERNAL WORKS</u> <u>BILL NO. 1</u> <u>LANDSCAPING</u></p>				
<p>SITE CLEARANCE AND LEVELLING</p>				
<p>ALL PROVISIONAL</p>				
<p>The quantities and nature of the work indicated are provisional. The actual work done shall be ascertained, valued and adjustment made accordingly</p>				
<p><i>Heavy Site Clearance</i></p>				
A	<p>Clear site to remove all existing bushes, shrubs and undergrowth. Dispose all arising as directed</p>	m ²	2,732	
<p><i>Levelling</i></p>				
B	<p>Allow for site levelling through Cut & Fill, Compact and prepare ground to receive paving works and landscaping</p>	m ³	1,087	
<p>LANDSCAPING</p>				
<p><i>Red Soil</i></p>				
C	<p>Provide, lay and compact to 98% B.S, 100mm thick layer of red soil mixed with manure or other approved fertilizer; watered, and raked to approval to receive grassing</p>	m ²	912	
<p><i>Manure</i></p>				
D	<p>Supply and deliver manure, grind to smaller particles and allow for mixing with redsoil</p>	m ³	46	
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 3 Bill No. 1 Landscaping</p>				
<p>3-2</p>				

Item	Unit	Quantity	Rate	Amount
<p>Grass A Supply, deliver and plant approved grass as 'Arabian Soft grass' water and tend well to full establishment</p>	m ²	912		
<p>Shrubs & Trees B Dig holes size 200x200x600mm deep for trees and shrubs, mix redsoil with manure and provide to holes to receive trees and shrubs</p>	No	100		
<p>C Provide and plant various species of shrubs with unique form, colour and cultural significance, water and tend to full establishment</p>	No	50		
<p>D Provide and plant various species of trees with unique form, colour and cultural significance, water and tend to full establishment</p>	No	50		
<p>RETAINING STRUCTURES FORMED OF PLANTER BLOCKS</p>				
<p>Open face excavation in earth E To embankment behind retaining blocks including trimming to slope</p>	m ³	109		
<p>Stone pitched embankment jointed in mortar to details F To form embankments for retaining structures</p>	m ²	109		
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 3 Bill No. 1 Landscaping</p>				
<p>3-3</p>				

Amount

BILL NO. 1
LANDSCAPING
COLLECTION

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Section No. 3
Bill No. 1
Landscaping

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 3</u> <u>EXTERNAL WORKS</u> <u>BILL NO. 2</u> <u>PAVING - DRIVEWAYS, WALKWAYS & PARKING</u></p>				
<p>ROADWORK, PARKING AREAS AND PAVING</p>				
<p><i>Precast concrete block road surfacing</i></p>				
A	<p>Supply and lay 60mm thick medium duty precast concrete paving blocks as 'CABRO' including compaction to approval</p>			
	m ²	1,340		
<p><i>Levelling</i></p>				
B	<p>Allow for levelling of ground for grade formation</p>			
	m ²	1,340		
<p><i>Compaction of Surfaces</i></p>				
C	<p>Compaction of ground surfaces under parking areas etc by wetting and compacting with 12 passes of a 3-sided 25 kilo Joule high energy impact compactor</p>			
	m ²	1,340		
<p><i>Filling supplied by the contractor under parking areas, roadways, etc</i></p>				
D	<p>Provide, lay and compact to 98% B.S 200mm thick approved layer of murrum fill to make up levels watered and compacted in layers not exceeding 150mm thick</p>			
	m ²	1,340		
<p><i>Sand Blinding</i></p>				
E	<p>Supply, lay and level 50mm thick sand blinding to receive paving blocks (m/s)</p>			
	m ²	1,340		
<p>Carried to Collection</p>			<p>KSh</p>	
<p>Section No. 3 Bill No. 2</p>				
<p>Paving - Driveways, Walkways & Parking</p>				
<p>3-5</p>				

Item	Unit	Quantity	Rate	Amount
<p><i>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</i></p>				
<p>A Provide and place 250 x 125mm Precast concrete Road Kerbs including all excavation works and concrete class 15 in bed and haunching</p>	m	212		
<p>B Provide and place 125 x 100mm Precast concrete channels including all excavation works and concrete class 15 in bed and haunching</p>	m	82		
<p><i>Two coats reflective road marking paint</i></p>				
<p>C 100mm wide reflective road marking paint to approval</p>	m	220		
<p>Carried to Collection</p>			KSh	
<p>Section No. 3</p>				
<p>Bill No. 2</p>				
<p>Paving - Driveways, Walkways & Parking</p>				
<p>3-6</p>				

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 3</u>				
<u>STORM AND SOIL WATER DRAINAGE</u>				
STORMWATER DRAINAGE				
<i>Excavation of trenches</i>				
A		Excavate for trenches commencing from stripped level size 900mm wide top x 450mm wide bottom average depth 750mm deep, trim vertical sides to slope of 1:2 and cart away arising as directed by the Engineer	m	103
<i>Invert Block Drain (IBD)</i>				
B		Provide and place 300mm diameter Invert Block Drain including all excavation works and concrete class 15 in bed and haunching	m	103
<i>Precast concrete side slabs</i>				
C		Provide and lay precast concrete 600x275x50mm thick side slabs bedded in cement sand mortar with flush joints to sides of drain channels to approval	m ²	246
<i>Culvert</i>				
D		Provide and lay 450mm diameter precast concrete culvert pipes, 1.22M long each, complete with excavation works, class 15 concrete to bed and surround, formwork to approval	No	5
SOIL DRAINAGE (SEWER LINE)				
<i>Excavation of trenches</i>				
E		Excavate for sewer size 200mm x 450mm average depth commencing from ground level including backfilling	m	120
Carried to Collection			KSh	
Section No. 3				
Bill No. 3				
Storm And Soil Water Drainage				
3-8				

Item	Unit	Quantity	Rate	Amount
<i>Mass Concrete Class 1:4:8 in</i>				
A	Haunching and Sorround	m ³	5	
<i>Manholes</i>				
B	Construct manhole size 900 x 750mm x 900mm deep comprising of 150mm thick quarry stone, 12mm thick plaster and haunching, 450x 600mm pvc manhole cover including all excavation and cart away	m	10	
<i>Piping</i>				
C	150mm diameter UPVC heavy duty pipes laid to trench including all backfilling and compaction to approval	m	120	
SEPTIC TANK & SOAK PIT				
<i>Site Clearance</i>				
D	Clear Site to remove vegetable matter and cart away the arisings	m ²	26	
<i>Excavations</i>				
E	Excavate for depths exceeding 1.5m But n.e and cart away the arisings	m ³	49	
F	Ditto but for Depths exceeding 1.5 but n.e 3.0Metres	m ³	15	
G	Allow for levelling bottoms of excavated surfaces;removal of mud and the like; clear away	m ²	26	
H	Extra over excavation irrespective of depth for breaking out rock; Class III	m ³	4	
<i>Hardcore Filling</i>				
I	Approve imported hardcore fill consolidated in soak pit	m ³	18	
Carried to Collection			KSh	
Section No. 3				
Bill No. 3				
Storm And Soil Water Drainage				

Item	Unit	Quantity	Rate	Amount
Plain concrete class Q (Mix 1:4:8) Blinding Layer				
A	50mm; poured on or against earth or unblinded hardcore; To Strip Footing	m ²	26	
Reinforced concrete class 25/20mm To:- Slab				
B	Tamped around rod reinforcement to: 200mm thick base slab	m ²	26	
C	Ditto to Top Slab 150mm Thick	m ²	26	
D	Ditto to Buffer Beams	m ³	1	
Reinforcement				
E	Fabric mesh Reinforcement to BS 4483 strips lapped minimum 150mm wide; One layer BRC mesh; Ref A142	m ²	26	
F	8mm diameter high tensile reinforcement bars	Kg	103	
G	10mm diameter Ditto	Kg	121	
Formwork				
H	Soffits of Top Slab	m ²	26	
I	Ditto but to sides of Buffles	m ²	12	
J	Ditto but to soffits of Buffles	m	8	
K	Ditto but to Sides of Top Slab	m	23	
Walling				
L	Substructural Walling 200mm			
Carried to Collection			KSh	
Section No. 3				
Bill No. 3				
Storm And Soil Water Drainage				
3-10				

Item	Unit	Quantity	Rate	Amount
thick; bedded and jointed; in cement mortar (1:4); together with hoop iron reinforcement in every other course	m ²	47		
Floor Finishes				
B Cement and sand (1:4) screed to floor: 20 mm Thick With Water Proof Cement to approval:-	m ²	20		
Wall Finishes				
C 12mm Thick plaster in cement/sand floated With Waterproof Cement with a steel trowel; internally to stone walls and concrete surfaces	m ²	45		
Manhole Covers				
D Supply and Fix Cast Iron Manhole				
Covers Size 600x600mm complete with holder Brackets and Anchors to the Satisfaction of The Project Manager	No	4		
Carried to Collection			KSh	
Section No. 3				
Bill No. 3				
Storm And Soil Water Drainage				
		3-11		

Amount

BILL NO. 3

STORM AND SOIL WATER DRAINAGE

COLLECTION

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Carried To Section Summary

KSh

Section No. 3

Bill No. 3

Storm And Soil Water Drainage

3-12

Bill No.	<u>SECTION NO. 3</u>	Page	Amount
	<u>EXTERNAL WORKS</u>		
	<u>SECTION SUMMARY</u>		
1	LANDSCAPING	3-4	
2	PAVING - DRIVEWAYS, WALKWAYS & PARKING	3-7	
3	STORM AND SOIL WATER DRAINAGE	3-12	
	Carried to Final Summary		
	Section No. 3 SECTION SUMMARY		
		KSh	

SECTION NO. 4
PRIME COST SUMS

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>PRIME COST SUMS</u>				
<u>BILL NO. 1</u>				
<u>PRIME COST SUMS</u>				
ELECTRICAL WORKS				
<i>Power & Lighting Installations</i>				
A	Allow a Prime Cost Sum for Electrical Power and Lighting installations to be carried out by a specialized contractor (<i>Insert total cost from priced Electrical Works Installation BQs</i>)		Lump Sum	
B	Allow for Profit on PC Sum		%	
C	Allow for attendance		Lump Sum	
MECHANICAL WORKS				
<i>Mechanical Installations</i>				
D	Allow a Prime Cost Sum for plumbing and drainage and all mechanical installations to be carried out by a specialised contractor (<i>Insert total cost from priced Mechanical Works Installation BQs</i>)		Lump Sum	
E	Allow for profit		%	
F	Allow for attendance		Lump Sum	
Carried to Final Summary			KSh	
Section No. 4 Bill No. 1 Prime Cost Sums				

SECTION NO. 5
PROVISIONAL SUMS

Item	Amount
<p><u>SECTION NO. 5</u> <u>PROVISIONAL SUMS</u></p>	
<p>PROVISIONAL SUMS</p>	
<p><i>Technical Supervision</i></p>	
A Provide a Provisional Sum of Kenya Shillings Three Hundred and Fifty Thousand (Ksh. 350,000) for Technical Supervision Allowances	<p><u>Item</u> 350,000 00</p>
<p><i>Clerk of Works Allowances</i></p>	
B Provide a Provisional Sum of Kenya Shillings Five Hundred Thousand (Ksh. 400,000) for Clerk of Works remuneration for approximately four (4) months to be paid as per instructions by the Project Manager with approval of the accounting officer	<p><u>Item</u> 400,000 00</p>
<p><i>Contingencies</i></p>	
C Provide a Contingency Sum of Kenya Shillings One million (Ksh. 1,000,000) only	<p><u>Item</u> 1,000,000 00</p>
Carried to Final Summary	KSh
Section No. 5	
Bill No. 1	
Provisional Sums	

Section No.	<u>FINAL SUMMARY</u>	Page	Amount
1	PRELIMINARIES	1-24	
2	BUILDER'S WORKS	2-25	
3	EXTERNAL WORKS	3-13	
4	PRIME COST SUMS	4-2	
5	PROVISIONAL SUMS	5-2	
	Carried to Form of Tender	KSh	
	FINAL SUMMARY		

Section No.		Page
	<u>FINAL SUMMARY</u>	
1	PRELIMINARIES	1-24
2	BUILDER'S WORKS	2-25
3	EXTERNAL WORKS	3-13
4	PRIME COST SUMS	4-2
	Sub-Total 1	
	ADD public Procurement Capacity Building levy order 2023 which is 0.03% of the total cost before tax (pursuant to PPRA Circular No.1 of 2024)	
	ADD 16% VAT	
	Sub-Total 2	
5	PROVISIONAL SUMS	5-3
	FINAL SUMMARY Carried to Form of Tender (KSHS)	
	Amount in Words.....	
	Contract PeriodWeeks	

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