CONFIDENTIAL

TENDER NO:

COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF FINANCE AND ECONOMIC PLANNING.

TENDER DOCUMENT

BILLS OF QUANTITIES

FOR

PROPOSED CONSTRUCTION OF SUPPORTING INFRASTRUCTURE AT KEDOWA MAIZE MILLING PLANT, KEDOWA/KIMUGUL WARD.

BUILDING AND CIVIL WORKS

AT

KIPKELION EAST SUB COUNTY.

Prepared By:
The County Quantity Surveyor,
Department of Lands Housing and Physical Planning,
P.O Box 112-20200,
KERICHO, KENYA.

Issued By:

DECEMBER 2024

Item	Description	Amount (Kshs.)
	BILL NO. 01	
	GENERAL PRELIMININARIES, PARTICULAR PRELIMINARIES AND PROJECT PROVISIONS.	
	GENERAL PRELIMINARIES	
A	**PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES**	
	Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.	
	The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.	
	The Contractor is advised to read and understand all preliminary items.	
B	**ABBREVIATIONS**	
	Throughout these Bills, units of measurement and terms are abbreviated and shall be all the requirements for the proper execution of the whole of the works in the Contract.	
	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.	
	Approved Shall mean approved by the Project Manager	
	As directed Shall mean as directed by the Project Manager	
C	**ALTERATIONS TO BILLS, PRICING, ETC.**	
	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.	
D	**LIMITATIONS OF THE SITE**	
	The site of the works shall be used solely for the purpose of executing and completing the Contract to the satisfaction of the Architect.	
	The Contractor shall make every effort to avoid, and in any event shall be liable for, any undue disturbance amounting to nuisance to the occupiers of the contiguous properties and/or to the Government's activities by reasons of noise, dust, traffic and the like or by neglect to control his workmen or materials and shall be responsible for all damage caused to any existing buildings, equipment or services of the Government on the site.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**PRELIMINARY INVESTIGATION OF THE SITE AND EXAMINATION OF DRAWINGS**	
	The Contractor shall be deemed to have visited, inspected and acquainted himself with the site and surroundings, general site and soil conditions, availability of materials, means of access or any other matter which may affect his tender previously to tendering. If the Contractor is unable to locate the site, he shall apply to the office of the Project Manager for direction to enable him to do so.	
	Details of drawings and other documents in connection therewith may be inspected at the office of the Project Manager during normal working hours by prior appointment.	
	No claim arising from the Contractor's failure to comply with the above will be considered. The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries herein.	
B	**SETTING OUT**	
	The Contractor shall set out the work in accordance with the dimensions and levels shown on the drawings and shall be responsible for the correctness of all dimensions and levels so set out by him and will be required to amend all errors arising from inaccurate setting out at his own cost and expense.	
	In the event of any error or discrepancy in the dimensions levels marked on the drawings being discovered, the Contractor shall report such errors or discrepancies to the Project Manager for his immediate attention. The Contractor shall not commence construction work until he has received written instruction from the Project Manager to adjust such proved discrepancies. Upon receipt of such instructions, the Contractor shall thereupon be responsible for adjustments necessary.	
	No claim for extra expense or relief from the provisions of the Contract based on any discrepancy or error in the dimensions or levels shown on the drawings may be made thereafter.	
	Before any work is commenced by Sub-Contractors or specialist firms, dimensions must be checked on the site and or building and agreed with the Contractor irrespective of the comparable dimensions shown on the drawings. The Contractor shall be responsible for the accuracy of such dimensions.	
C	The Contractor shall furnish, as part of his bid, a security as specified in the tender advertisement. The bid security shall, at the Contractor's option, be in the form of a certified cheque, bank draft, standby letter of credit or guarantee from a reputable bank located in Kenya or foreign bank which has been determined by the bidder to be acceptable to the Government. The format of the bank guarantee shall be in accordance with the sample forms of bid security included herein, other formats may be permitted, subject to the prior approval of the Government. Letters of credit, bank Guarantees issued as surety for the bid shall be valid for a period of One Hundred and Fifty (150) days from the date of Tender Opening.	
D	**PERFORMANCE BOND.**	
	The Contractor shall find and submit on the Performance Bank Guarantee an approved bank who will be willing to be bound to the Government in an amount equal to ten per cent (10%) of the Contract amount for the due performance 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.	200,000.00
	No payment on account for the works executed will be made to the Contractor until he has submitted the Performance Bond to the Employer duly signed, sealed and stamped from an approved Bank.	
	Carried to Collection	**200,000.00**

Item	Description	Amount (Kshs.)
A	**INSURANCE** The Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the Project Manager either by production of an Insurance Policy or an Insurance Certificate that the provision of the forgoing 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	**PLANT, TOOLS AND VEHICLES** Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work. All such plant, tools and scaffolding shall comply with all regulations whether general or local in force throughout the period of the Contract and shall be altered or adapted during the contract as may be necessary to comply with any amendments in or additions to such regulations.	
C	**TRANSPORT TO AND FROM THE SITE** 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.	
D	**MATERIALS AND WORKMANSHIP.** All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also 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. The Contractor shall be responsible for the provision of all materials, transport and workmen required for the works except in so far as may be stated otherwise herein and shall allow for the provision of the foregoing except for such items specifically and only required for the use of Nominated Sub-Contractors as described herein. Any Materials for the work condemned by the Project Manager shall be removed immediately from the site at the Contractor's expense.	
E	**SIGN FOR MATERIALS SUPPLIED.** The Contractor will be required to sign a receipt for all articles and materials supplied by the Project Manager at the time of taking delivery 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.	
F	**MATERIALS ON SITE** All materials for incorporation in the works must be stored on 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.	
	Carried to Collection	-

Item	Description	Amount (Kshs.)
A	**STORAGE OF MATERIALS** The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the Project Manager. Nominated Subcontractors are to be made liable for the cost of any storage accommodation provided especially for their use.	
B	**SAMPLES AND TESTING OF MATERIALS** The Contractor shall furnish at the earliest possible opportunity before work commences and **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. Such samples when approved shall be deemed to represent the minimum standard for the work to which they apply. The Project Manager shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the Project Manager. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads, Housing and Public Works. 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.	
C	**PROGRESS CHART.** The Contractor is to prepare and submit within two weeks of possession of site, a time and progress chart (in a format to be agreed with the Project Manager) showing the time and order in which he proposes to carry out the works within the total construction time stated in the contract for the Project Manager's approval. The chart shall show in detail the construction time and order in which each section of the work is to be carried out and be sub-divided into trades or tasks. One copy of said progress chart is to be handed to the Project Manager and a further copy to be retained on Site. Upon letting of sub-contracts, the Contractor shall incorporate times and details of each separate Sub-Contractors' work (which information is to be agreed by the sub-contractors) and the chart shall be so designed to accommodate this information. At the end of each week the Contractor shall mark on the chart in a different colour the actual times taken to complete the respective stages and sections of the work. The Contractor shall also show the anticipated weekly resource mobilization (labour & equipment) required (divided into labourers and craftsmen) and shall similarly mark up the actual numbers employed. The Contractor shall prepare and submit weekly and monthly progress reports (including photographs) in a format to be approved by the Architect.	
D	**HOARDING** The Contractor shall enclose all the site under construction with a hoarding 2400 mm high consisting of iron sheets gauge 30 on 100 x 50 mm 2nd grade treated sawn cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm 2nd grade treated sawn cypress timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**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.	
B	**ACCESS TO SITE AND TEMPORARY ROADS.** Means of access to the Site shall be agreed with the Employer's Representative prior to commencement of the work and Contractor must allow for building any necessary temporary access for the transport of the materials, plant and workmen as may be required for the complete execution of the works. Upon completion of the works, the Contractor shall remove such temporary access and make good and reinstate all works and surfaces disturbed to the satisfaction of the Employer's Representative.	
C	**OFFICE AND SHEDS** The Contractor shall erect and maintain temporary office accommodation for his own use and ample temporary watertight sheds for the proper storage and protection of materials and for the use of artisans and remove when ordered. Floors of sheds shall be at least 150mm above ground level.	
D	**OFFICE ETC. FOR THE PROJECT MANAGER** The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the 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.	
E	**WATER FOR THE WORKS** The Contractor shall provide at his own risk and cost all necessary water required for use in the works, including the work of Sub-Contractors. 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 fees and obtain all permits in connection herewith. All water shall be fresh, clean and pure, free of earthy, vegetable or organic matter, acid or alkaline substance in solution or suspension. 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 used and for any installation provided especially for their own use and recovering payments due from the Sub-Contractors shall be the Contractor's sole responsibility.	
F	**LIGHTING AND POWER FOR THE WORKS** The Contractor shall allow for providing and maintaining a temporary electricity supply for the works including that required by Sub-Contractors and specialist requirements on site and for connection, metres, wiring and fittings, etc. to give artificial lighting and power necessary for the execution of the work. The Contractor shall pay all charges in connection and clearing away and make good all works disturbed after completion. The Contractor shall pay all fees and obtain all permits in connection therewith. Nominated Sub-contractors are to be made liable for the cost of any electricity used and for any installation provided especially for their own use and recovering payments due from the Sub-Contractors shall be the Contractor's sole responsibility. The Contractor shall allow for upgrading of the temporary power supply, if so required, to meet all the requirements for the completion of the works.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**SECURITY OF THE WORKS** 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 by day and night to ensure due protection and security of the works against theft, loss or damage and the protection of the public and other persons. He shall provide all barriers, notices and watchmen to prevent access of unauthorised persons into the site. The Contractor will be liable on all consequences of theft from the site of his own or Sub-Contractors' or Suppliers' materials or equipment. Any such theft will not relieve the Contractor of his liability for completion on time. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and the workers.	
B	**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.	50,000.00
C	**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.	
D	**CONTRACTOR'S SUPERINTENDENT/SITE AGENT** The Contractor shall provide full and adequate supervision during the progress of the works and shall constantly keep upon the site of 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.	
E	**PROVISIONAL WORK** All work described as "Provisional" in these Bills of Quantities is subject to re-measurements in order to ascertain the actual quantity executed for which payment will be made. All Provisional and other work liable to adjustment under this contract shall be 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 measurement to be taken and afterwards reinstate at his own expense.	
F	**PROVISIONAL SUMS.** The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A6(i) of the Standard Method of Measurement. Such sums are nett and no addition shall be made to them.	
G	**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, 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 Prime Cost Sum, and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**PRIME COST (OR P.C.) SUMS.** The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A6 (ii) of the Standard Method of Measurement. Persons or firms nominated by the Project Manager to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.	
B	**ADJUSTMENT OF PRIME COST SUMS.** In the final account all Prime Cost 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 Prime Cost Sums shall be adjusted in the final account proportionately (pro-rata) to the net amount properly expended. Items of "attendance" shall not be subject to proportional adjustment of the Prime Cost Sums but to the physical extent of the work executed. This shall apply even though the Contractor's priced Bills of Quantities show a percentage in the rate column in respect of this item. Should the Contractor be permitted to tender and his tender be accepted of any work for which a Prime Cost 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.	
C	**NOMINATED SUB-CONTRACTORS** When any work is ordered by the Project Manager to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".	
D	**DIRECT CONTRACTS** Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a Prime Cost Sum in the Bills of Quantities and to pay for the same directly. In any such instances, profit relative to the P.C. Sum in the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.	
E	**ATTENDANCE UPON OTHER TRADESMEN, ETC.** The Contractor shall allow for the attendance 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.	
F	**NOMINATED SUPPLIERS** The Contractor shall take delivery as directed by the Project Manager of all materials or goods supplied by the Nominated Suppliers and shall sign a receipt as having received them in good order and condition. The Contractor shall insure, off load, transport to site, unload, hoist, provide safe storage and thereafter be responsible for any loss or damage or replacement of any such lost or damaged articles at his own expense and shall return empty cases if so required.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**FIXING ONLY** Fix Only:-"Fix Only" shall mean take delivery at nearest railway station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store in weather protected storage, unpack, assemble as necessary, distribute to position, hoist and fix only. Fixing only items to be supplied under Provisional or Prime Cost Sums or items to be supplied by the Government shall include the above.	
B	**BLASTING OPERATIONS** Blasting will only be allowed with the express permission of the Project Manager in writing. All blasting activities 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.	
C	**MATERIALS ARISING FROM EXCAVATIONS** Materials of any kind obtained from the excavations shall be the property of the Government. Unless the Project Manager directs otherwise, such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Project Manager. Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.	
D	**PROTECTION OF THE WORKS.** Provide protection of the whole of the works contained in the Bills of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the Project Manager and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government. In the event of any damage occurring to the works, materials, sewers, drains, gullies, paths or other works on the site in temporary possession of the Contractor for the purpose of this contract either from the weather, want of proper protection, defects or insufficiency of the works of any other cause whatsoever during the progress of the works, the Contractor shall be responsible and shall without extra charge, make good all damage and pay all costs which may be levied.	
E	**REMOVAL OF RUBBISH ETC.** Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.	
F	**WORKS TO BE DELIVERED UP CLEAN** Before handing over any building the Contractor shall properly clean and flush all gutters, rainwater and waste pipes, manholes and drains and wash (except where such treatment might cause damage) all floors, sanitary fittings and finished surfaces, clean 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 work and leave all sanitary and other appliances in full working order. He shall also cut and weed all grassed areas, clean down external steps, paths and roads and leave the whole in perfect condition ready for occupation. The whole of the building shall be left watertight, clean, perfect and fit for occupation to the approval of the Project Manager.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.** Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the 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.	
B	**TRAINING LEVY** The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value. His tender must include for all costs arising or resulting therefrom.	
C	**STANDARD LEVY** The Contractor's attention is drawn to the Legal Notice No. 267 of 22nd June 1990 which require payment by the Contractor of a Standard Levy. His tender must include for all costs arising or resulting therefrom.	
D	**THE NCA REGULATIONS** e Contractor's attention is drawn to The National Construction Authority Regulations Legal Notice No. 74 dated 6th June 2014. The Contractor must ensure that the project, his workers and site supervisors are registered and accredited under the NCA regulations.	
E	**NEMA REQUIREMENTS** The Contractor shall be responsible for complying with NEMA requirements and shall allow for all costs arising or resulting therefrom. No claim of extension of time shall be allowed as result of complains regarding NEMA requirements.	
F	**COVID-19 REGULATIONS COMPLIANCE** The Contractor is required to comply with all COVID-19 regulations and requirements as stipulated in by-laws (and any subsequent revisions) of the Republic of Kenya and any directives issued at any time by the Government of Kenya.	
G	**FIRM PRICE CONTRACT** Unless otherwise specifically stated, this is a **firm price contract** and the Contractor must allow in his tender rates for any increase in the cost of labour and/or materials during the currency of the contract.	
H	**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, and any other amendments thereafter, which requires payment of VAT on all Building Construction Contracts. The Contractor should therefore include allowance in his rates and prices for prices for VAT and any other Government taxes currently in force. The Contractor is to ***add VAT to the final figure at the Tender Summary*** and the VAT will be loaded and the tender will be deemed to include for all costs arising or resulting therefrom.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
A	**OCCUPATION CERTIFICATE** The Contractor's attention is drawn to the requirement of obtaining an occupation certificate from the County Government in the County where the project is located upon completion of the works and subsequent occupation of the completed premises. The Contractor shall therefore allow for any sums or monies payable to the County for the same including liaising with them to obtain the said Certificate.	
B	**STAMP CHARGES** The Contractor shall allow for the payment of all stamp charges in connection with the Surety Bond and the Contract Agreement.	
C	**GROUND INVESTIGATIONS** The Contractor shall furnish at the earliest possible opportunity before work commences and **at his own cost** a geotechnical report prepared by a professional engineer competent in the field of geotechnical engineering The geotechnical report shall preliminarily include enough information to support foundation design calculations and backfill design requirements and finally shall have recommendations consistent with those used in the final structural design. The Project Manager shall arrange for the investigation as he may at his discretion deem desirable, shall lay down the the procedure for submitting reports and shall review the report for sufficiency prior to its approval. The Contractor shall allow in his tender for carrying out such investigations and preparing the accompanying reports.	
D	**WARRANTY, GUARANTEES & MAINTENANCE MANUALS** The Contractor shall submit all warranties, guarantees and manuals for specialized materials, workmanship and installed equipment, all in their name, to the Employer within the defects liability period.	
E	**AS-BUILT DRAWINGS & DOCUMENTATIONS** The Contractor is to allow for costs of preparing as-built/ as-installed drawings and requisite documentation (in a format approved by the Project Manager). These shall be submitted within the defects liability period and shall be a true representation of all the works carried out on ground.	
F	**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 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.	
G	**COPYRIGHT, DETAILS TO BE PRIVATE AND CONFIDENTIAL** The copyright of these Bills of Quantities is vested in the Project Manager and they may not be reproduced in whole or in part without the Project Manager's written permission. The Drawings, Bills of Quantities and Contract documents applicable to this contract are restricted by copyright. The Contractor shall treat the details of this Contract as private and confidential for his own information only and shall not publish or disclose the details of the Contract in any trade or technical paper or elsewhere (except as necessary for the purpose hereof) without the previous consent in writing of the Project Manager.	
	Carried to Collection	

Item	Description	Amount (Kshs.)
	COLLECTION	
1	Brought Forward From Page GP/2	
2	Brought Forward From Page GP/3	200,000.00
3	Brought Forward From Page GP/4	
4	Brought Forward From Page GP/5	
5	Brought Forward From Page GP/6	
6	Brought Forward From Page GP/7	
7	Brought Forward From Page GP/8	
8	Brought Forward From Page GP/9	
9	Brought Forward From Page GP/10	
10	Brought Forward From Page GP/11	
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

Item	Description	Amount
	BILL NO. 01 **GENERAL PRELIMININARIES, PARTICULAR PRELIMINARIES AND PROJECT PROVISIONS.** **PARTICULAR PRELIMINARIES**	
	PARTIES	
A	**EMPLOYER** The Term "Employer" shall be deemed to mean **The County Government of Kericho (CGK)**, whose address unless otherwise stated is P.O BOX 112-20200, KERICHO. The term "Employer" and "Government" wherever used in the contract document shall be synonymous.	
B	**PROJECT MANAGER** The term "Project Manager" or "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.	
C	**ARCHITECT** The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning P.O BOX 112-20200, KERICHO.	
D	**QUANTITY SURVEYOR** The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.	
E	**ELECTRICAL ENGINEER** The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.	
F	**MECHANICAL ENGINEER** The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.	
G	**CIVIL/STRUCTURAL ENGINEER** The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.	
H	**LAND SURVEYOR** The term "Land Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.	
J	**LOCATION OF THE SITE** The site for works is located within **Kedowa/Kimugul, Kipkelion East Sub-County within the jurisdiction of the County Government of Kericho**. The Tenderer shall be deemed to have visited the site and familiarised himself with all site conditions prior to submission of tenders. No claims arising from tenderer's failure to do so will be entertained.	
	Carried to Collection	

Item	Description	Amount
A	**SCOPE OF THE CONTRACT** The works to be carried out under this contract comprises of construction of 2 No. Godowns, construction of an office block, Installation of Paving Blocks, Waste Water Disposal system, Installation of a Transformer, Incinerator with it's House and Fencing and an ablution block. The corresponding Electrical and Mechanical works shall be supplied, installed, tested and commissioned as directed.	
B	**DESCRIPTION OF THE WORKS** The works are on a gently sloping site. The works comprise of Construction of a of office block, ablution block and associated external works as per the above scope to completion as per the **Drawings, Schedules, Specifications and Instructions that may be given.**	
C	**MEASUREMENTS** The measurements for all Contract Bills shall be in accordance with the Standard Method of Measurement of Building and Associated Civil Works for Eastern Africa, published by the Architectural Association of Kenya, Quantity Surveyors Chapter; 2nd Edition Metric; (June 2008). 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 the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with the said Conditions.	
D	**GENERAL SPECIFICATION** The Contractor is referred to the General Specifications for Building Works 1976 Edition with and including those specifications under sections of these Bills of Quantities for the complete description of all items of work and must allow for all costs in complying with these clauses.	
E	**TENDER DOCUMENTS** Tender documents are as listed in the Instruction to Tenderers.	
F	**PRICING RATES** The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.	
F	**SIGNBOARD** Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard per site as designed, specified and approved by the Project Manager.	
	Carried to Collection	

Item	Description	Amount
A	**SIGNING OF THE TENDER DOCUMENTS** The bidder shall append his / her signature and / or company's rubber stamp on ***each and every page of tender document.***	
B	**DELIVERY OF TENDER** Tenders and all documents in connection therewith must be delivered in an addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.	
C	**SUFFICIENCY OF TENDER** The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works, the rates and prices stated in the priced Bills of Quantities, which rates and prices shall cover all his obligations under the contract and all matters and things necessary for the proper execution, completion and maintenance of the works.	
D	**CONTRACT PERIOD** The contract period in accordance with of the conditions of contract must be adhered to. The Project Manager shall strictly monitor the Contractor's progress in relation to the progress chart and should it be found necessary the Project Manager shall inform the Contractor in writing that his actual performance on site is not satisfactory. In all such cases the Contractor shall accelerate his rate of performance production and progress by all means; such additional labour, plant, etc. and working overtime shall be at the Contractor's cost.	
E	**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/ she deems that he/she may incur by having to complete these works within the stipulated contract period.	
F	**SIGNBOARD** Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard per site as designed, specified and approved by the Project Manager.	
G	**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.	
H	**EXISTING SERVICES** Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.	
	Carried to Collection	

Item	Description	Amount
A	**DEMOLITIONS AND ALTERATIONS** The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and 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. 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. Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site. 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.	
B	**MATERIALS FROM DEMOLITIONS** Any reusable materials arising from demolitions and not re-used in this contract shall become the property of the Government. The Contractor shall allow in his rates the cost of transporting the such materials to the location specified by the Project Manager.	
C	**PREVENTION OF ACCIDENT, DAMAGE OR LOSS** 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 Employer. The Contractor shall allow in his rates any expense he deems necessary by taking such care within site.	
D	**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.	
E	**WORKING CONDITIONS** The Contractor shall also allow in his rates for any interference that he may encounter in the course of execution of the works for the Government may, in some cases, ask the Contractor not to proceed with the works until some activities within the site are completed.	
F	**PAYMENTS** All payments shall be made in accordance with the Conditions of Contract. The tenderer's attention is drawn to the fact that no payments shall be effected other than as prescribed. 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.	
G	**PAYMENT FOR MATERIALS ON SITE** All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.	
	Carried to Collection	

Item	Description	Amount
A	**CLAIMS** It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the Project Manager within the contract period. No claim shall be entertained upon the expiry of the said contract period.	
B	**FORM OF CONTRACT** The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Works: Building and Associated Civil Engineering Works (2021 Edition) included herein.	
	Carried to Collection	

Item	Description	Amount
	COLLECTION	
1	Brought Forward From Page PP/13	
2	Brought Forward From Page PP/14	
3	Brought Forward From Page PP/15	
4	Brought Forward From Page PP/16	
5	Brought Forward From Page PP/17	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

Item	Description	Amount
	BILL NO. 01	
	GENERAL PRELIMININARIES, PARTICULAR PRELIMINARIES AND PROJECT PROVISIONS.	
	PROJECT PROVISIONS	
	Sums in this section shall be expended in whole or in part at the Project Manager's discretion and shall be reimbursed against reciepts. The Contractor is advised to price for other preliminaries under the General and Particular Preliminaries section in this document.	
	Where the Contractor is allowed to quote, execution of such quoted works shall be strictly under the instruction of the Project Manager's.	
	The Project Manager reserves the right to instruct alternative uses of these funds.	
A	**Project Implementation Team Supervision**	
	Allow a Provisional Sum of Kenya Shillings One Millio only (Kshs. 1,000,000) for project management allowance at the government rate for the design team members and project implementation teams for the duration of the contract.	
	Allow for the Contractor's Profit on the above @ .....15.....%	
B	**Project Manager's Site Office, Furniture and Equipment**	
	Allow a Provisional Cost Sum of Kenya Shillings Two Hundred Thousand Only (Kshs. 400,000) for establishment and maintenance of the Project Manager's office, including the Project Manager's miscellaneous account for the due performance of the office, to be reimbursed against receipts.	
	Allow for the Contractor's Profit on the above @ .....%	
C	**Services for the Project Manager's Staff**	
	Allow a Provisional Sum of Kenya Shillings Two Hundred Thousand only (Kshs. 200,000) for the production and periodic review of construction drawings, BQs, models and other construction documentation for the duration of the project, including supply of stationery and model-making material.	
	Allow for the Contractor's Profit on the above @ .....%	
	Allow a Provisional Sum of Kenya Shillings Fifty Thousand only (Kshs. 50,000) for project communication for the duration of the project, including supply of airtime and/or data.	
	Allow for the Contractor's Profit on the above @ .....%	
D	**Enviromental Impact Assessment**	
	Allow a Provisional Sum of Kshs One Hundred Thousand, (100,000.00) to be expended at the discretion of the Project Manager for the engagement of an EIA expert.	
	Allow for the Contractor's Profit on the above @ .....16.....%	-
	Carried to Collection	

Item	Description	Amount
	SECTIONAL SUMMARY - GENERAL PRELIMININARIES, PARTICULAR PRELIMINARIES AND PROJECT PROVISIONS.	
	COLLECTION	
1	Brought Forward From Page GP/12	
2	Brought Forward From Page PP/18	
3	Brought Forward From Page PR/19	
	TOTAL FOR PROJECT PROVISIONS CARRIED TO SUMMARY	

Item	Description	Quantity	Unit	Rate	Amount
	BILL NO. 1 - PROPOSED CONSTRUCTION OF A GODOWN				
	ELEMENT NO. 1				
	SUBSTRUCTURE WORKS				
	ELEMENT NO. 01 SUBSTRUCTURES (All Provisional)				
	Site Clearance				
A	Clear the site off all vegetation including existing make shift selling sheds, and cart away the arisings as directed.	196	Sm		
	Excavations				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
B	Excavate oversite 150mm deep (average) to remove top vegetable soil and set aside as directed	148	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	82	Cm		
D	Ditto: column pits	72	Cm		
E	Extra over for excavating in soft rock irrespective of class.	7	Cm		
	Planking and strutting				
F	Allow for maintaining and supporting sides of excavations and for keeping the same free from fallen materials	1	Item		
G	Allow for keeping excavations free of water and mud by pumping, bailing or other approved means	1	Item		
	Fillings and Disposals				
H	Return, fill and ram selected excavated materials to sides of foundation wall in layers not exceeding 300mm	27	Cm		
J	Load, cart away and dispose to a site as approved by the local Authority.	134	Cm		
	Approved Fillings				
K	Approved hardcore filling; well watered and compacted to 100% maximum dry density; in layers not exceeding 150mm thick all to Engineer's directions and satisfaction	148	Sm		
L	50 mm thick murram blinding to surfaces of hardcore	148	Sm		
	Anti-termite Treatment				
M	"Dragnet" or other equal and approved antitermite insectside treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	148	Sm		
	CONCRETE WORK				
	50mm thick blinding mix 1:4:8 to				
N	Column bases	48	Sm		
P	Ditto: Strip Footing	51	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Vibrated Reinforced Concrete class 25: 20 mm aggregate in:-				
A	Column bases	10	Cm		
B	Strip footing	11	Cm		
C	Stub columns	6	Cm		
D	125mm thick floor slab	148	Sm		
	Reinforcement (All provisional)				
	Supply and fix bar reinforcement including bending, hooking, tying wires, cutting, spacers and supporting all in position:-				
	High tensile square twisted bars BS 4466 as described in :				
E	8mm Diameter bar	356	Kgs		
F	12mm Diameter bar	931	Kgs		
G	16mm Diameter bar	1003	Kgs		
	Steel Mesh Fabric Reinforcement to B.B. 4483 in:-				
J	Mesh fabric reinforcement ref. A142 weighing 2.22kg per square metre, laid with 300mm side and end laps including tying wires and spacer blocks (measured net-allow for laps)	148	Sm		
	Sawn Timber or other equal and approved Formwork as described to:-				
K	Verticle sides of strip foundation	37	Sm		
L	Vertical sides of column	36	Sm		
M	Vertical sides of column bases	20	Sm		
N	Edges of floor slab over 150mm but not exceeding 225mm girth	50	Lm		
	Damp proof membrane				
P	1000 gauge polythene sheet damp proof membrane: to floors: with 300mm side and end laps measured net with no allowance for overlaps	148	Sm		
	Foundation Walling				
Q	200mm thick rough dressed natural stone walling in cement /sand (1:4)mortar reinforced with 25mm wide hoop ironstrap every alternate course	126	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	SUBSTRUCTURE WORKS				
	COLLECTION	**Page No**			**Amount**
	Total Brought Forward from Page No.	GD/2			
		GD/3		Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	WALLING				
	Selected and approved quality local stone load bearing (7N/mm^2) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar				
A	200mm dwarf wall; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	25	Sm		
	Three ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured net allow for laps)				
B	200mm wide	49	Lm		
	Ironsheet cladding				
	26 Gauge IT5 Green Resincot sheets cladding fixed with G.1 Hook Bolts and approved type Sela Washers, fixed to angle iron cladding rails to detail.				
C	Iron sheet infill to walls	289	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 03 **STEEL STRUCTURAL MEMBERS** **Mild Steel to grade 43; all welds to be ground smooth and to comply with BS. 1856 and workmanship with BS. 5950; all steel work shall be inspected and approved by the Engineer at fabrication and shall be power wire brush cleaned and applied with one coat red oxide primed prior and after erection and painted: all in accordance to detailed design of the Structural Engineer as described in:-**				
	The following steel columns and beams; starting from stub columns				
A	100 x 100 x 4mm SHS columns weighing 12.18kg/m to detail.	782	Kg		
B	300 x 150 x 8mm thick plate drilled 2no. times for 18mm diameter bolts (m.s) and welded to the steel columns.	12	No.		
C	120 x 60 x 4mm RHS tie beams weighing 10.8kg/m to detail.	530	Kg		
D	150 x 50 x 6mm thick ms base plate welded at the bottom	12	No.		
E	50 x 50 x 5mm thick angle cladding rails brackets to receive ironsheets wall weighing 3.7Kg/m	1,207	Kg		
F	18mm diameter x 200mm average long black bolts with head nut and washer	24	No.		
	Labours				
G	Drill 8mm thick steel plate for boltS	48	No.		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 04				
	ROOFING AND RAINWATER DISPOSAL				
	Mild Steel Construction				
	Mild Steel to grade 43; all welds to be ground smooth and to comply with BS. 1856 and workmanship with BS. 5950; all steel work shall be inspected and approved by the Engineer at fabrication and shall be power wire brush cleaned and applied with one coat red oxide primed prior and after erection and painted: all in accordance to detailed design of the Structural Engineer as described in:-				
	The following steel Trusses (6 No.) spanning 9200mm x 600mm high raised to 5400m height above Ground level including all the necessary stifferner plates				
A	75 x 50 x 4mm RHS trusses in lattices and girders weighing 7.34Kg/m welded to including steel cleats.	2,286	Kg		
B	40 x 40x 3mm SHS strut in lattices and girders weighing 3.48Kg/m welded to including steel cleats.	1,578	Kg		
C	75 x 75 x 3mm SHS horizontal tie weighing 6.78Kg/m welded to including steel cleats.	475	Kg		
D	Ditto kingposts and ties	256	Kg		
	General Construction				
E	Zed Purlins size 139.7 x 50.8 x 19 x 2mm thick weighing 4.24Kg/mwelded to steel cleats (m.s)	1,070	Kg		
F	50 x 50 x 5mm thick angle iron wind bracings weighing 3.7Kg/m	420	Kg		
G	12mm diameter ms anti sag rods	276	Kg		
H	150 x 150 x 5mm thick plate drilled No.4 times for 16mm diameter bolts (m.s) welded to trusses	24	No.		
J	16mm diameter x 200mm average long bolts with head nuts and washers	96	No.		
K	100 x 100 x 6mm purlin cleats drilled 2 times for 10mm diameter bolts welded onto trusses.	72	No.		
L	10mm grade 4.6 bolts with head nuts and washers	144	No.		
	Labours				
M	Drill 10mm thick steel plate for 16 and 10mm diameter bolts	240	No.		
	Roof covering				
	28Gauge Resincot roofing sheet laid to gable roof with side and end laps as per Archictects instructions fixed to purlins (measured nett- allow for laps)using G.I hook bolts and approved Sela washers.				
N	Roof covering, 20 degrees pitch.	198	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Rainwater Disposal **Galvanized steel Gutter system complete with and including fittings: jointed and fixed as described in:-**				
A	26 Gauge x 200 x 150mm deep box gutter with 25 x 6mm thick mild steel clamps at 900mm centre's	125	Lm		
B	200mm diameter rainwater down pipe	36	Lm		
C	Extra over down pipe for shoe	6	No.		
D	Ditto: for swanneck	6	No.		
E	Ditto: for pipe outlet	6	No.		
F	Ditto: for stopped ends	4	No.		
	Carried to Collection				
	ROOFING				
	COLLECTION	**Page No**			**Amount**
	Total Brought Forward from Page No.	GD/7			
		GD/8		Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 05 **DOORS** **Steel Casement Doors** **Supply, assemble and fix the following purpose made standard section steel Door 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 and building in lugs**				
A	Double leaf mild steel glazed mild steel door size 5000 x 3000mm in two opennable leaves size 750 x 2100mm high in small panes fabricated from 50x25x3 mm RHS frame, 25x50x3mm zed & tee sections and reinforced with 16mm mild steel square bars welded to an approved pattern infilled with 1.5mm thick mild steel sheet complete with three lever lock as union catalogue or equal; the welded to the steel columns as per the door schedule.	1	No.		
	Prepare and apply three coats 1st grade exterior quality plastic emulsion paint: to				
C	Rendered surfaces.	30	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 06				
	FINISHES				
	Internal Finishes				
	Wall finishes				
	Plaster; 15mm thick, 2 No. coatwork, 12mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base				
A	Walls	25	Sm		
	Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces				
B	Plastered walls; internal	25	Sm		
	Floor finishes				
	Insitu Finishings				
	Beds or Backings				
	Screed; cement and sand (1:3)				
C	32mm thick one coat backings; finished hard and smooth(m/s).	146	Sm		
	Metal racks				
	The following in metal framed storage racks overall size 8000mm long x 1500mm wide x 2500mm high				
D	76 x 38 x 5.1mm (x 6.70kg/m) perforated vertical channel sections vertical members, 76 x 38 x 5.1mm (x 6.70kg/m) horizontal members,200x 50mm thick wrought cypress timber 800mm centres, 50 x 50 x 2mm SHS bracings, 200 x 200 x 3mm base plate with and including all the necessary stiffeners, fasters, bending, slots, drilling and bolting planks onto metal framing, welding and joinery all in accordance to Project Manager's written instructions.	1	No.		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	SECTIONAL SUMMARY	**Page:**			
1	SUBSTRUCTURE WORKS				
2	WALLING				
3	STRUCTURAL STEEL MEMBERS				
4	ROOFING AND RAINWATER DISPOSAL				
5	DOORS				
	Total for Godowns Carried to Grand Summary			**Kshs.**	

Item	Description	Quantity	Unit	Rate	Amount
	BILL 2: STORE				
	ELEMENT NO. 1 **SUBSTRUCTURE WORKS**				
	Site Preparation				
A	Clear site of all bushes and shrubs, undergrowth and load wheel and dispose off the arising debris.	118	Sm		
	Excavations				
B	Excavate (average) 150mm to remove top soil: load, wheel, deposit and spread roll on site.	118	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	58	Cm		
D	Column Bases	9	Cm		
	Disposal of water				
E	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	Planking and strutting				
F	Planking and strutting to sides of all excavations : keep excavations free from all fallen materials	1	Item		
	Imported hardcore				
G	Approved quarry stone hardcore filling: 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding.	118	Sm		
	Murram blinding				
H	50mm Murram blinding to surface of hardcore	118	Sm		
	Insitu concrete: class 10/20mm: mix 1:4:8				
J	50mm Blinding layer: under wall foundations	32	Sm		
K	Column bases	6	Sm		
	Backfilling				
L	Backfill and compact selected excavated materials	38	Cm		
M	Remove surplus spoil from the site and deposit in permanent spoil heaps.	20	Cm		
	Labours and sundries				
N	One Layer 1000 gauge polythene sheet damp proof membrane : under bed: 300mm laps	118	Sm		
	Insitu concrete : class mix 1:3:6 ; vibrated : reinforced; to				
P	Foundation in trenches	8	Cm		
Q	Ditto column bases	3	Cm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	Columns	2	Cm		
B	150mm Surface bed including aprons	118	Sm		
	High tensile steel bar reinforcement to BS 4461 (provisional) including bends, tying wires and spacer blocks.				
C	8mm Diameter bars	206	Kg		
D	12mm Dia.	365	Kg		
	Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps				
E	In surface bed	118	Sm		
	Sawn formwork : to				
F	Vertical side: wall foundations	25	Sm		
D	Ditto column bases	10	Sm		
E	Ditto columns	12	Sm		
G	Vertical edge of bed : over 75 but not exceeding 150mm high	42	Lm		
	Approved quality local stone load bearing (7N/mm^2) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar : reinforced with hoop iron				
H	200mm Walling	52	Sm		
	Plinths				
E	12mm Cement and sand (1:4) render with woodfloat finish : to exposed plinth walls	14	Sm		
F	Prepare and apply two coats bituminous paint to rendered plinths	14	Sm		
	Carried to collection				
	SUBSTRUCTURE WORKS				
	COLLECTION	**Page No**			**Amount**
	Total Brought Forward from Page No.	1/2			
		1/3		Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO .2				
	REINFORCED CONCRETE FRAME				
	Insitu concrete : class 20/20 mm : vibrated : reinforced				
A	Beams	4	Cm		
B	Columns	2	Cm		
	Mild steel bar reinforcement to BS 4449 (Provisional)				
C	8mm diameter	256	Kg		
D	12mm diameter	484	Kg		
	Sawn formwork : to				
E	Sides of beams	62	Sm		
F	Ditto columns	40	Sm		
	Metalwork				
	Mild Steel to grade 43; all welds to be ground smooth and to comply with BS. 1856 and workmanship with BS. 5950; all steel work shall be inspected and approved by the Engineer at fabrication: The rates shall allow for supply, assembly, fabrication and erection; complete with all jointing cleats etc including all the necessary priming and painting.				
G	75 x 50 x 4mm thick x 4.25kg/m RHS stanchions including 200mm long lugs welded to the bottoms and to be cast into concrete and all the necessary fixing to ring beam to detail.	27	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 3 **WALLING**				
	Selected and approved quality local stone load bearing (7N/mm^2) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar				
A	200mm thick External walling ; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	121	Sm		
C	200mm thick gable end filling	18	Sm		
	DPC				
D	200mm wide 3 Ply Hessian based bituminous damp proof course as directed	37	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 4				
	ROOFING				
	Roof Covering				
	28 Gauge; pre-painted corrugated galvanised steel sheet roofing ; fix using galvanised self tapping bolts with rubber caps on timber purlins as directed				
A	Coverings to 22.50º degrees gable roof : nailed every third course	115	Sm		
B	Supply and fix an approved ridge cap matching with the roof covering.	21	Lm		
	Structural timbers ; sawn cypress ; pressure impregnated; with and including all nails, bolts, plates etc and all connections as detailed to (provisional)				
C	50 x 75mm Purlins	131	Lm		
D	50 x 100mm Wall plate : fastened with and including hoop iron at 900mm centres to ring beams.	32	Lm		
E	50 x 100mm King post	21	Lm		
F	50 x 150mm trussed rafters	114	Lm		
G	50 x 100mm struts and ties	146	Lm		
H	50 x 150mm Tie beam	78	Lm		
K	25 x 200mm ridgeboard	21	Lm		
	Eaves and verges				
	Sawn cypress timber in;				
L	25 x 200mm fascia and barge board	57	Lm		
	Rainwater Disposal (provisional)				
	Unplasticised PVC rainwater pipes and fittings : solvent welded joints				
M	150mm diameter half round gutter: fixed with approved brackets to fascia board	28	Lm		
N	Extra-over for stopped end	8	No.		
P	Extra-over for 100mm diameter rainwater outlet	4	No.		
Q	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	10	Lm		
R	Extra-over for bend	4	No.		
S	Extra-over for swanneck : 600mm projection	4	No.		
T	Extra-over for rainwater shoe	4	No.		
	Prepare and knot coated surfaces : prime and apply two undercoats and one finishing coat gloss paint : on wood				
U	Fascia : over 200 but not exceeding 300mm girth	57	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 5				
	DOORS				
	Purpose Made Units - Steel Casement Doors				
	Supply, assemble and fix the following purpose made standard section steel Door 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 and building in lugs				
A	Steel mild steel door size 1500 x 2700mm in small panes, fabricated from 50 x 25 x 3 mm RHS frame overall sorround and middle rails, infilled with 1.5mm thick mild steel sheet complete with three lever lock as union catalogue or equal; the frames fishtailed and grouted to concrete block wall or concrete head as per the door schedule.	1	No.		
	Prepare and apply three coats gloss oil paint as CROWN or an approved equivalent on metal to:				
B	Ditto gloss oil paint to steel doors	9	Sm		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 6				
	WINDOWS				
	Mild steel casement windows				
	Supply and fix the following purpose-made steel casement window in heavy duty Z and T-sections complete with lugs, hinges, approved brass window stays and handles, 200mm high 16 gauge mild steel plate at the top with built-in permanent vents; primed with red lead oxide after fabrication to allow for small panes size 175 x 200mm				
A	Size 3000 x 600mm high	6	No.		
	Precast concrete cill				
B	150 x 50mm clay tile window cill bedded and jointed in cement/sand mortar.	19	Lm		
	Painting				
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of:-				
C	Windows (both sides measured)	22	Sm		
	Glazing				
	6mm thick clear glass and glazing gasket/approved adhesives in				
D	Panes sizes not exceeding 0.1 sm	11	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 7				
	FINISHES				
	INTERNAL FINISHES				
	Floor Finishes				
	Cement and sand (1:4);				
A	32mm thick screed with and including colouring admixture and finished hard and smooth with and including colouring admixture.	108	Sm		
	Wall Finishes				
	12mm cement sand plaster (1:3): steel trowelled finish: on concrete blockwork or stonework : to				
B	Walls	139	Sm		
	Prepare and apply three coats 1st grade plastic emulsion paint : to				
C	Walls	139	Sm		
	EXTERNAL FINISHES				
	Wall Finishes				
	Approved quality local stone blocks : regular coursed : medium chisel dressed with recessed horizontal and flush vertical joints as work proceeds : in cement and sand (1:3) mortar				
D	Extra over stone walling for medium chisel dressing one face	121	Sm		
	15mm Cement and sand (1:3) render : wood float finish : on concrete or stonework : to				
G	Masonry and concrete surfaces	18	Sm		
	Prepare and apply three coats 1st grade exterior quality paint as or an approved equivalent: to				
H	Rendered surfaces	18	Sm		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of:-				
J	General surfaces of steel stanchions	4	Sm		
	Floor Finishes - Aprons				
	Cement and sand (1:4)				
K	32mm thick screed with and including colouring admixture and finished hard and smooth with and including colouring admixture.	17	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	SECTION SUMMARY - COFFEE STORE	**Page No.**			**Amount**
1	SUBSTRUCTURE WORKS	1/3			
2	REINFORCED CONCRETE SUPERSTRUCTURE	1/4			
3	WALLING	1/6			
4	ROOFING	1/7			
5	DOORS	1/8			
6	WINDOWS	1/9			
7	FINISHES	1/11			
	TOTAL FOR STORE CARRIED TO GRAND SUMMARY			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	BILL				
	WATER CONNECTION				
	Site Preparation				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris	234	Sm		
	Excavation				
	Rats for excavation, backfilling in trenches and plumping shall include fro trimming trench bottom and for providing selected bedding and surround materials from the excavations with the specificatios and placing and jointing the pipes as directed. Depth of excavation not exceeding 1.0m unless otherwise specified				
B	Excavate (average) 150mm to remove top soil: deposit on site in temporary spoil heaps	650	Sm		
	PIPES FITTINGS AND ACCESSORIES				
	Rates for pipes and fittings be inclusive of all fittings				
C	63mm dia	4200	LM		
E	50mm dia gate valve	6	NO		
F	50mm dia GI Union	6	NO		
G	50mm dia GI nipple	6	NO		
	Tees				
H	66x66mm dia Tee	6	NO		
	INSPECTION VALVE CHAMBERS				
L	Construct class 25 concrete reinforced with BRC 150mm slab for valve chambers of 300mmx300mm internal dimensions as directed by the supervising engineer	4	NO		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	BILL NO. 03: PROPOSED CONSTRUCTION OF AN OFFICE BLOCK.				
	ELEMENT NO. 01 **SUBSTRUCTURE WORKS**				
	Site Preparation				
A	Clear site of all the debris, grass and undergrowth and the like including grubbing up their roots and cart away the arising debris.	131	Sm		
B	Excavate (average) 150mm to remove top soil : deposit on site in temporary spoil heaps	84	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	58	Cm		
D	Ditto: column pits	2	Cm		
	Disposal of water				
E	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	Planking and strutting				
F	Planking and strutting to sides of all excavations : keep excavations free from all fallen materials	1	Item		
	Imported hardcore				
G	Approved quarry stone hardcore filling : 300mm thick (overall): deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding	84	Sm		
	Murram blinding				
H	50mm Murram blinding to surface of hardcore	84	Sm		
	Insitu concrete : class 15/25mm				
J	50mm Blinding layer : under wall foundations	39	Sm		
K	Ditto: column foundations	2	Sm		
	Backfilling				
L	Backfill and compact selected excavated materials	34	Cm		
M	Remove surplus spoil from the site, deposit and spread roll on site.	24	Cm		
	Labours and sundries				
N	One Layer 1000 gauge polythene sheet damp proof membrane : under bed : 300mm laps	84	Sm		
P	Approved chemical anti-termite treatment.	84	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Insitu concrete: class 20/20mm: vibrated: reinforced; to				
A	Foundation in trenches	8	Cm		
B	150mm slab	84	Sm		
C	Stub columns	3	Cm		
D	Column foundations	1	Cm		
E	Ground beam	4	Cm		
	High tensile steel bar reinforcement to BS 4461 (provisional) including bends, tying wires and spacer blocks.				
F	8mm Diameter bars	278	Kg		
G	12mm diameter	760	Kg		
	Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps				
H	In surface bed	84	Sm		
	Sawn cypress timber formwork: to				
J	Vertical sides: Wall foundations	26	Sm		
K	Ditto: Columns	20	Sm		
L	Ditto: Column foundation	2	Sm		
M	Vertical sides of ground beams	27	Sm		
N	Vertical edge of bed: over 75 but not exceeding 150mm high	41	Lm		
	Approved quality local stone load bearing (7N/mm^2) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar : reinforced with hoop iron				
P	200mm Walling	80	Sm		
	Carried to Collection				
	SUBSTRUCTURE WORKS				
	COLLECTION	Page No			Amount
	Total Brought Forward from Page No.	2/1			
		2/2		Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	SUPERSTRUCTURE CONCRETE				
	Insitu concrete : class 20/20 mm : vibrated : reinforced				
A	Ring Beams	4	Cm		
B	Columns	1	Cm		
	Deformed steel bar reinforcement to BS 4449 (Provisional)				
C	8mm diameter	74	Kg		
D	12mm diameter	165	Kg		
	Sawn formwork : to				
E	Sides of beams	28	Sm		
F	Vertical sides of columns	6	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 03				
	WALLING				
	Selected and approved quality local stone load bearing (7N/mm^2) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar				
A	200mm thick External and internal walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	85	Sm		
B	Eaves and gable filing	8	Sm		
	DPC				
C	200mm wide 3 Ply Hessian based bituminous damp proof course as directed	42	Lm		
	Plinths				
D	12mm Cement and sand (1:4) render with woodfloat finish : to exposed plinth walls	19	Sm		
E	Prepare and apply two coats bituminous paint to rendered plinths	19	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 04 **ROOFING**				
	Roof Covering				
	28 Gauge; pre-painted corrugated galvanised steel sheet roofing ; fix using galvanised self tapping bolts with rubber caps on timber purlins as directed				
A	Coverings to 22.5 degrees gable roof: nailed every third course	127	Sm		
	Supply and fix Sheet metal ridge/hip capping : 28 gauge galvanised mild steel				
B	28G x 380mm	22	Lm		
C	Valley Gutter Bent to detail	5	Lm		
	Structural timbers ; sawn cypress ; pressure impregnated; with and including all nails, bolts, plates etc and all connections as detailed to (provisional)				
D	50 x 75mm Purlins	142	Lm		
E	50 x 100mm Wall plate : fixed with and including 12mm diameter mild steel ragbolt 150mm long at 900mm centres ; cast in ring beams.	37	Lm		
F	50 x 100mm King post	20	Lm		
G	50 x 150mm rafters at 1200mm centres.	128	Lm		
H	50 x 100mm Struts and ties	180	Lm		
J	50 x 75mm Ridge board	31	Lm		
K	Ditto: valley rafters	10	Lm		
L	Ditto: hip rafters	13	Lm		
M	50 x 150mm Ceiling Joist	55	Lm		
	Eaves and verges **Sawn cypress timber in;**				
N	25 x 200mm fascia/barge board	43	Lm		
	Prepare and knot coated surfaces : prime and apply two undercoats and one finishing coat gloss paint : on wood				
P	Fascia : over 200 but not exceeding 300mm girth	43	Lm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Rainwater Disposal (provisional)				
	Unplasticised PVC rainwater pipes and fittings : solvent welded joints				
A	150mm diameter half round gutter: fixed with approved brackets to fascia board.	32	Lm		
B	Extra-over for stopped end	6	No.		
C	Extra-over for 100mm diameter rainwater outlet	4	No.		
D	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	11	Lm		
E	Extra-over for bend	4	No.		
F	Extra-over for swanneck : 600mm projection	4	No.		
G	Extra-over for rainwater shoe	4	No.		
	Carried to Collection				
	ROOFING				
	COLLECTION				
	Total Brought Forward from Page No.	**Page No**			**Amount**
		2/5			
		2/6		Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 05				
	DOORS				
	Steel Casement Doors				
	Supply, assemble and fix the following purpose made standard section steel Door 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 and building in lugs				
A	Double leaf mild steel glazed mild steel door size 1200 x 2400mm in two openable leaves size 600 x 2100mm high in small panes fabricated from 50x25x3 mm RHS frame, 25x50x3mm zed & tee sections and reinforced with 16mm mild steel square bars welded to an approved pattern infilled with 6mm thick clear sheet glass complete with three lever lock as union catalogue or equal; the frames fishtailed and grouted to concrete block wall or concrete head and infilled 6mm thick clear sheet glazing (ms) as per the door schedule.	2	No.		
	Timber Flush Doors				
	Flush doors ; solid cored : with mahogany veneer both sides : hardwood lipping all edges				
B	45mm thick single leaf door overal size 900 x 2400mm : 20 x 12mm moulded beading both faces c/w 3 lever mortise lock	1	No.		
	Wrot camphor : selected and kept clean				
C	50 x 20mm Architrave : two labours	12	Lm		
D	100 x 50mm Frame : four labours : screwed and pellated	6	Lm		
	Glazing				
	6mm thick Clear sheet glass and glazing gasket/approved adhesives in				
E	Panes sizes not exceeding 0.1 sm	6	Sm		
F	Ditto; Fanlight	1	Sm		
	Prepare and prime before fixing: on woodwork				
G	Frames : not exceeding 100mm girth	6	Lm		
	Prepare and apply three coats polyurethane clear varnish : on wood work				
H	Frames : over 200 but not exceeding 300mm girth	6	Lm		
J	General surfaces of the door; both sides measured.	2	Sm		
	Prepare and apply three coats of gloss oil paint : on steel works				
K	General surfaces of the door; both sides measured.	12	Sm		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 06				
	WINDOWS				
	Mild steel casement windows				
	Supply and fix the following purpose-made steel casement window in heavy duty Z and T-sections complete with lugs, hinges, approved brass window stays and handles, 200mm high 16 gauge mild steel plate at the top with built-in permanent vents; primed with red lead oxide after fabrication to allow for small panes of assorted sizes.				
A	1500 x 1500mm high comprising of two opennable side lights and one fixed light.	8	No.		
B	Ditto: 1200 x 1500mm high	3	No.		
	Wrought Iron curtain rods: to architect's approval				
C	Supply and fix: 50mm diameter wrought iron curtain rod including the main sheer rods: with and including fixing brackets/hooks and approved decorative end finials: plugged and fixed to stone wall.	16	Lm		
	Precast concrete cill				
D	150 x 50mm clay tile window cill bedded and jointed in cement/sand mortar.	16	Lm		
	Painting				
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of:-				
E	Windows (both sides measured)	20	Sm		
	Glazing				
	6mm thick laminated one way glass and glazing gasket/approved adhesives in				
F	Panes sizes not exceeding 0.1 sm	40	Sm		
	Curtain rods/ clothings				
G	Supply and fix ditto to 11no windows as directed by the Project Manager	11	No.		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 07				
	FINISHES				
	INTERNAL FINISHES				
	Floor Finishes				
	Cement and sand (1:3); in floor to receive ceramic tiles (m.s)				
A	32mm thick screed	72	Sm		
	White non-slip ceramic floor tiles size 300 x 300 x 8mm as SAJ CERAMICS: bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar				
B	Floors	72	Sm		
C	8 x 100mm high ceramic floor skirting.	49	Lm		
	Wall Finishes				
	12mm cement sand plaster mix (1:3) : steel trowelled finish: on concrete or stonework: to				
D	Walls	97	Sm		
	Prepare and apply three coats 1st grade Crown Silk Vinyl paint or an approved equivalent : to				
E	Walls	97	Sm		
	Ceiling finishes				
	Chipboard ceiling				
H	9mm Chipboard ceiling: fixed to and including 50 x 50mm sawn cypress brandering (ms).	72	Sm		
J	Extra-Over for ceiling access opening size 600 x 600mm	1	No.		
	Brandering				
K	50 x 50mm sawn cypress brandering.	324	Lm		
	Wrot cypress : knot free : suitable for clear finish : selected and kept clean				
L	100 x 25mm Moulded cornice	49	Lm		
	Prepare and prime before fixing : on woodwork				
M	Cornice : not exceeding 100mm girth	49	Lm		
	Prepare and apply three coats 1st grade plastic emulsion paint; to				
N	Chipboard ceiling	72	Lm		
P	Ditto; cornice	49	Lm		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
	EXTERNAL FINISHES				
	Wall Finishes				
	Approved quality local stone blocks : regular coursed : medium chisel dressed with recessed horizontal and flush vertical joints as work proceeds : in cement and sand (1:3) mortar				
A	Extra over stone walling for medium chisel dressing one face including bituminous paint.	73	Sm		
	15mm cement and sand (1:3) render: wood float finish: on concrete: to				
B	Masonry (gable walls) and concrete surfaces	26	Sm		
	Prepare and apply three coats 1st grade exterior quality paint as Ruff n Tuff or an approved equivalent: to				
C	Rendered surfaces	26	Sm		
	Ceiling finishes				
	Chipboard ceiling				
D	9mm Chipboard ceiling : fixed to and including 50 x 50mm sawn cypress brandering (ms).	12	Sm		
E	Extra-Over for ceiling access opening size 600 x 600mm	1	No.		
	Wrot cypress : knot free : suitable for clear finish : selected and kept clean				
F	100 x 25mm Moulded cornice	17	Sm		
G	50 x 50mm cypress brandering at 600mm centres	54	Lm		
	Prepare and apply three coats 1st grade plastic emulsion paint; to				
H	Chipboard ceiling	12	Sm		
J	Ditto; cornice	17	Lm		
	Floor Finishes				
	Cement sand (1:3) screed; to receive ceramic floor tiles (ms).				
K	32mm thick screed; receive ceramic tiles	12	Sm		
	Coloured glazed ceramic floor tiles size 300 x 300 x 8mm as approved by the Architect : bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar				
L	Floors	12	Sm		
M	8x100mm high ceramic floor skirting including 12mm screed and grouting.	11	Lm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	FINISHES				
	COLLECTION		**Page No**		Amount
	Total Brought Forward from Page No.		2/10		
			2/11	Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 08 - SUPPLY OF SOFT FURNISHINGS AND COMPUTERS.				
	SOFT FURNISHINGS				
A	Supply and fix a staff workstation for four officers complete with chairs as per the specifications of the Project Manager	1	No		
B	Supply and fix 1no 2400MM boardroom table complete with 8no chairs as specified by the PM	1	No		
C	Supply and fix 2no 4 drawer steel filing cabinets as specified by the Project Manager	2	N0		
D	Supply and fix 1no modern steel filing cabinet with safe as specified by the Project Manage	1	No		
E	Supply and fix a reception desk complete with chairs as shown by the Project Manager	1	No		
	COMPUTERS AND PRINTERS				
F	Supply and install 2no HP ProDesk 400 desk top computers as specified	2	No		
G	Supply and install HP Laser MFP 135w (4ZB83A) Printer or equal and approved by the Project Manager	1	No		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	SECTIONAL SUMMARY - OFFICE BLOCK	**From Pg:**			
1	SUBSTRUCTURE WORKS				
2	RC SUPERSTRUCTURE				
3	WALLING				
4	ROOFING				
5	DOORS				
6	WINDOWS				
7	FINISHES				
8	SOFT FURNISHINGS				
TOTAL FOR CONSTRUCTION OF AN OFFICE BLOCK CARRIED TO SUMMARY				**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	BILL NO. 05				
	FOUL DRAINAGE				
	Excavations				
A	Excavate for trench 450mm wide in loam soils/soft rock to receive 110mm diameter uPVC pipes, part return and remainder cart away (m/s); not exceeding 1500mm deep.	59	Cm		
	Backfilling				
B	Backfill and compact selected excavated materials	49	Cm		
C	Remove surplus spoil from the site and cart away from site.	10	Cm		
	Disposal of water				
D	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	Planking and strutting				
E	Planking and strutting to sides of all excavations : keep excavations free from all fallen materials	1	Item		
	Piping				
F	110mm diameter uPVC heavy duty drainage pipe below ground level with tight sealed joints, all the necessary fittings and laid to falls to detail.	130	Lm		
	Inspection Chamber				
G	Manholes size 550 x 550 x 1250mm average comprising of plain concrete mix 1:3:6 in 125mm slab, 270mm average benching reinforced concrete 25 in 125mm thick cover slab, 150mm thick brick wall 12mm waterproofing screed to sides and bottoms of recessed traps and equal angle framing to receive cast iron cover (measured separately) 20mm thick cement sand 1:3 plaster to internal sides of walls, 200mm long step irons at 300mm c/c including all necessary excavations, strutting, dewatering, formwork and reinforcement.	14	No.		
H	Medium duty inspection chamber cover size 450 x 450mm including and casting in concrete and greasings.	14	No.		
	Testing and commissioning				
J	Allow for testing and commisioning of the whole system	1	Item		
	Connection to Septic Tank				
K	Allow for connection to the Septic Tank.	1	Item		
	TOTAL FOR FOUL DRAINAGE CARRIED TO SUMMARY			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	SEPTIC TANK				
	The following in 1 No. 22,500.00 litres septic tank, overall dimensions 6000 x 2200 x 1675mm average depth.				
	Excavations				
A	Excavate pit starting at ground level, not exceeeding 1500 mm deep.	8	Cm		
B	Ditto but in soft rock.	15	Cm		
C	Ditto; over 1500mm deep but n.e 3000mm	2	Cm		
	Disposal of excavated materials				
D	Backfill selected excavated material round sides of walling.	5	Cm		
E	Remove surplus excavated from material from site .	20	Cm		
	Planking and strutting				
F	Allow for maintaining and supporting sides of excavating and for keeping the same free from fallen materials.	1	Item		
	Disposal of water				
G	Allowing for keeping the excavations free from water and mud by pumping balling or otherwise.	1	Item		
	Concrete works				
H	50mm blinding bed in plain conrete,(1:4:8-38mm aggregate) as described.	34	Sm		
	Reinforced concrete class 20/20; vibrated and reinforced as described in:-				
L	125mm suspended slab; horizontal	20	Sm		
L	200mm bed laid to slope not exceeding 15° (degrees) from the horizontal.	12	Sm		
M	Ditto; but horizontal	8	Sm		
N	200mm thick wallling	35	Sm		
P	100mm thick scum baffle walls	4	Sm		
Q	Extra-Over for thicknessing on the underside.	16	Lm		
	Deformed reinforcement to BS 4449; inlucing tying wires, spacer blocks and bends				
R	10mm	632	Kg		
S	12mm	891	Kg		
	Sawn cypress timber Formwork as described to:-				
U	Soffits of suspended slab.	20	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	Sides walls.	78	Sm		
C	Edge of suspended slab over 75mm but not exceeding 150mm	21	Lm		
D	Edge of bed over 75mm but not exceeding 150mm high	21	Lm		
E	Ditto to edges of openings	9	Lm		
	Cement and sand (1:3) screed with water proofing additive as Sika 1 Admixture or an approved equivalent, in two coats and finished hard and smooth with steel trowel to;				
G	20mm finish to bed	12	Sm		
H	Ditto: cover slab finished smooth	20	Sm		
	Cement and sand (1:3) plaster with water proofing additive as Penetron Admix or an approved equivalent, in two coats and finished hard and smooth with steel trowel to;				
J	10mm finish to walls (both sides)	78	Sm		
	Sundry Items				
K	450 x 600mm covers and frames to B.S 497 B(Medium duty), coated in bitumen and bedding frame on concrete slab in cementand sand (1:3) mortar and setting cover in grease.	4	No.		
L	Form or leave 200mm diameter hole in wall for outlet	2	Lm		
M	Ditto for inlet pipe	1	No.		
N	110mm diameter uPVC heavy duty drainage pipe below ground level with tight sealed joints, all the necessary fittings and laid to falls to detail.	10	Lm		
P	110/110 inspection tee	2	No.		
	Carried to Collection				
	SEPTIC TANK				
	COLLECTION	**Page No**			**Amount**
	Total Brought Forward from Page No.				
				Above	
	TOTAL FOR SEPTIC TANK CARRIED TO SUMMARY			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	3. SOAK PIT				
	The following in Soak Pit overall size 1500mm diameter x 4500mm deep				
	Site Preparation				
A	Clear the site of bushes and shrubs including cutting down small trees grub up their roots and load wheel and cartaway arising debris.	7	Sm		
	Excavations				
B	Bulk excavation for pit in red soils starting from ground level, not exceeeding 1500 mm deep.	8	Cm		
C	Ditto; over 1500mm deep but n.e 3000mm but in rock	6	Cm		
D	Ditto; over 3000mm deep but n.e 4500mm	6	Cm		
	Disposal of excavated materials				
F	Backfill selected excavated material round sides of walling.	4	Cm		
G	Remove surplus excavated from material from site .	16	Cm		
	Planking and strutting				
H	Allow for maintaining and supporting sides of excavating and for keeping the same free from fallen materials.	1	Item		
	Disposal of water				
J	Allowing for keeping the excavations free from water and mud by pumping balling or otherwise	1	Item		
	Imported hardcore				
K	Approved quarry stone hardcore filling : 300mm thick (overall): deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding.	16	Cm		
	Concrete works				
	Plain concrete mix (1:4:8-38mm aggregate) as described in.				
L	Blinding to strip footing	4	Sm		
	Reinforced concrete class 20/20; vibrated and reinforced as described in:-				
M	Strip footing	1	Cm		
N	200mm thick slab	2	Sm		
	Deformed reinforcement bars to BS 4449; inlucing tying wires, spacer blocks and bends to detail.				
P	8mm	22	Kg		
Q	12mm	51	Kg		
	Sawn cypress timber Formwork as described to:-				
R	Formwork left in to the soffits of suspended slab.	2	Sm		
S	Vertical sides of strip footing.	2	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	Edge of bed over 75mm but not exceeding 150mm high	5	Lm		
B	Ditto to edges of openings	1	Lm		
	Approved quality local stone load bearing (7N/mm^2) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar; reinforced with hoop at alternate courses				
D	200mm thick	4	Sm		
	Cement and sand (1:3) screed with water proofing additive.				
E	32mm thick cement sand (1:3) screed; mixed with SIKA or equal and approved hardener; finished hard and smooth on concrete as directed.	2	Sm		
	Sundry Items				
F	450 x 600mm covers and frames to B.S 497 B(Medium duty), coated in bitumen and bedding frame on concrete slab in cementand sand (1:3) mortar and setting cover in grease.	1	No.		
G	Form or leave 110mm diameter hole in wall for outlet	1	No.		
	Carried to Collection				
	SOAK PIT				
	COLLECTION	**Page No:**			**Amount**
	Total Brought Forward from Page No.	SP/4			
		SP/5		Above	
	TOTAL FOR SOAK PIT CARRIED TO SUMMARY			**Kshs.**	

Item	Description	Quantity	Unit	Rate	Amount
	COLLECTION				
1	FOUL DRAINAGE				
2	SEPTIC TANK				
3	SOAK PIT				
	TOTAL FOR SEPTIC TANK CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	2. WASHROOMS				
	SITE PREPARATION WORK (ALL PROVISIONAL)				
	Site Preparation				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris	59	Sm		
	Excavation				
B	Excavate (average) 150mm to remove top soil: deposit on site in temporary spoil heaps	32	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep.	21	Cm		
D	Ditto column pits	9	Cm		
E	Bulk excavation for pit in red soils; commencing from stripped level; over 1.5m deep and not exceeding 3.0m deep.	6	Cm		
F	Extra over excavation for excavating in hardrock; all classes.	2	Cm		
	Disposal of excavated materials				
G	Remove surplus excavated material: remove and spread on site as directed.	32	Cm		
H	Return, fill and ram selected excavated material around foundations.	6	Cm		
	Disposal of water				
J	Keep excavations free from all water by baling, pumping or otherwise.	1	Item		
	Planking and strutting				
K	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
	Imported hardcore				
L	Approved quarry stone hardcore filling: 250mm thick (overall) : deposit, spread, level and compact in layers not exceeding 125mm thick: to receive blinding.	28	Sm		
	Murram blinding				
M	25mm Murram blinding to surface of hardcore.	28	Sm		
	Insitu concrete : class 15/25mm				
N	50mm Blinding layer : under wall foundations	18	Sm		
P	Ditto Column bases	6	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Insitu concrete : class 25/20mm: vibrated : reinforced				
A	Foundation in trenches	4	Cm		
B	Ground beams	1	Cm		
C	150mm Surface bed	32	Sm		
	Mild steel bar reinforcement to BS 4449 (Provisional)				
D	8mm Diameter bars	88	Kg		
E	10mm; ditto	199	Kg		
F	12mm; ditto	267	Kg		
	Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps				
G	In slab.	18	Sm		
	Sawn formwork : to				
H	Vertical side: wall foundations	12	Sm		
J	Soffits of suspended slab	4	Sm		
K	Vertical sides of ground beams	9	Sm		
L	Vertical edge of bed: over 75 but not exceeding 150mm high	11	Lm		
M	Forming openings size 150 x 100mm wide	1	Lm		
	Approved quality local stone load bearing (7N/mm^2) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar				
N	200mm Walling	55	Sm		
	Labours and sundries				
P	One Layer 1000 gauge polythene sheet damp proof membrane : under bed : 300mm laps	7	Sm		
	Plinths				
Q	12mm Cement and sand (1:4) render with woodfloat finish : to exposed plinth walls.	7	Sm		
R	Prepare and apply two coats bituminous paint to rendered plinths.	7	Sm		
	Carried to Collection				
	SUBSTRUCTURE WORKS				
	COLLECTION	**Page No**			**Amount**
	Total Brought Forward from Page No.			Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 2				
	REINFORCED CONCRETE SUPERSTRUCTURE				
	Insitu concrete : class 25/20 mm : vibrated : reinforced				
A	Ring beams	1	Cm		
B	Columns	1	Cm		
C	Suspended Slab	14	Sm		
	Mild steel bar reinforcement to BS 4449 (Provisional)				
D	8mm Diameter bars	44	Kg		
	High yield square twisted bar reinforcement to BS 4461 (Provisional)				
E	12mm Diameter bars	237	Kg		
	Sawn formwork : to				
F	Sides of the ring beams	12	Sm		
G	Sides of columns	9	Sm		
H	Soffits of suspended slab	14	Sm		
J	Edges of slab	15	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02 **ROOFING** **FLAT ROOF FINISHES**				
	Cement/sand (1:3) screed with SIKA 1 ADMIXTURE or other equal and approved admixture, steel trowelled hard and smooth to receive waterproofing (m/s)				
A	32mm thick screed to roof slab; laid to falls and cross falls.	14	Sm		
	Water Proofing **APP Membrane to weigh 4 kg/sq. mt (or 3mm thick): stone chipped finish: 100mm side laps and 150mm end laps: bonding between layers: with and including bituminous primer and bonding cement sand screed base (m/s): blow-torch applied: laid to falls.**				
B	To flat roof slabs	14	Sm		
	Cement/sand (1:3) screed with SIKA 1 ADMIXTURE or other equal and approved admixture, steel trowelled hard and smooth top layer				
C	32mm thick screed to roof slab and gutter slab; laid to falls and cross falls.	14	Sm		
	Coping				
D	450 x 50mm thick precast concrete copping twice weathered and throated bedded with cement and sand joint (1:4) mortar. Finished fair on all exposed edges to boundary wall	36	Lm		
	Rainwater Disposal (provisional) **Unplasticised PVC rainwater pipes and fittings : solvent welded joints**				
E	Extra-over for 100mm diameter rainwater outlet	2	No.		
F	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	5	Lm		
G	Extra-over for bend	2	No.		
H	Extra-over for swanneck : 600mm projection	2	No.		
J	Extra-over for rainwater shoe	2	No.		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 4				
	WALLING				
	Selected and approved quality local stone load bearing (7N/mm^2) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar				
A	200mm Walling ; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	97	Sm		
B	Ditto: parapet wall	15	Sm		
	Three ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured net allow for laps)				
C	200mm wide	31	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 5				
	DOORS				
	Wrot cypress matchboarded door leaf size 820 x 2060mm high.				
A	25mm thick T & G facing, 50x100mm framing (stiles & rails) all round, 25x100mm braces & middle rail with aluminium metal sheet covering at 1.2m high on both sides.	5	No.		
	Wrought cypress timber: selected and kept clean				
B	15mm Quadrant beading	25	Lm		
C	50 x 20mm Architrave : two labours	25	Lm		
D	100 x 50mm Frame : four labours : screwed and pellated	25	Lm		
	Supply and fix the following ironmongery to timber : with matching screws : references are to 'union' catalogue or other equal and approved				
E	100mm Pressed steel butt hinges	15	No.		
F	Indicator Bolts	5	No.		
G	Rubber door stops (Union Ref 8400)	5	No.		
H	Polished brass hat and coat hook	5	No.		
J	Door handles	5	No.		
	Prepare and prime before fixing: on woodwork				
K	Frames: not exceeding 100mm girth	25	Lm		
	Prepare and apply three coats polyurethane clear varnish : on wood work				
L	General surfaces : doors	19	Sm		
M	Ditto: frames; over 100 mm but not exceeding 200mm	25	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 06				
	FINISHES				
	EXTERNAL WALL FINISHES				
	Approved quality local stone blocks : regular coursed : medium chisel dressed with recessed horizontal and flush vertical joints as work proceeds : in cement and sand (1:3) mortar				
A	Extra over stone walling for medium chisel dressing one face.	55	Sm		
	15mm Cement and sand (1:4) render : wood float finish : on concrete or stonework : to				
B	Ring beams	15	Sm		
	Prepare and apply three coats 1st grade exterior quality plastic emulsion paint: to				
C	Rendered surfaces.	15	Sm		
	INTERNAL FINISHES				
	Floor Finishes				
	Cement and sand (1:4) trowelled beds : on concrete : to				
E	25mm thick cement sand (1:3) screed; mixed with SIKA or equal and approved hardener; finished hard and smooth on concrete to Achitects's approval.	31	Sm		
	WALL FINISHES				
	12mm cement sand plaster mix (1:3): steel trowelled finish: on concrete blockwork or stonework : to				
F	Walls	42	Sm		
	Prepare and apply three coats 1st grade plastic emulsion paint : to				
G	Plastered walls and columns	42	Sm		
	Ceiling Finishes				
	12mm cement sand plaster mix (1:3): steel trowelled finish: on concrete blockwork or stonework : to				
F	Soffits of suspended slab	14	Sm		
	Prepare and apply three coats 1st grade plastic emulsion paint : to				
G	Soffits of suspended slab	14	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 08 **MECHANICAL INSTALLATIONS** **Supply and instal the following including all materials and jointing to supply,waste and over flow pipes. Note that trade names are used to signify the need for high quality and durable fittings. Equal and approved alternatives can be fitted where the quoted fittings are not available.**				
A	**Breather Pipe** Supply and fix 150mm diameter PVC vent pipes complete with breather cap and all necessary fittings to detail.	5	Lm		
B	**Toilet Roll Holder** Toilet roll holder in vitreous china to BS 3402 in white colour of size 165x165mm and recessed into wall.	2	No.		
C	**Wash Hand Basin** Wash hand basin size 406 x 305mm with one tap holes and chain stay hole, 32mm diameter chrome plated pop up chain waste, concealed wall brackets, chrome plated single tap hole basin mixer as Cobra and chrome plated bottle trap (32mm 'P' trap) with 75mm seal. The wash hand basin to be as Twyfords 'Sola 510' or an equal and approved	2	No.		
D	**Pillar Taps** Bib taps as Peglar	2	No.		
E	**Step Toilet for WC System** Toilet Suite in white vitreous China size 630 x 350 x770mm high which includes dual flush system mechanism, with and including all the necessary fittings and accessories.	5	No.		
F	**Urinals** Ceramic urinal bowls firmly fixed on the wall with chrome plated screws complete with 40mm diameter heav- duty plastic bottle P-trap with 75mm deep seal and 40mm diameter chrome plated outlet with grating.	4	No.		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Mirror				
A	6 mm thick polished plate glass, silver backed mirror with beveled edges, size 600x400mm plugged and screwed to wall with 4 No. Chrome plated capped screws and 5mm thick foam backrest.	4	No.		
	Plastic Water tank				
B	2000 litres capacity cylindrical plastic water storage tank as ROTO TANK or an approved equivalent raised to a heigh of 3000mm high from ground level with 2 No. 25mm diameter union long threaded nipples and 2 No. respective backnuts connection including perforations with all the necessary piping to detail.	1	No.		
	Valves				
C	12.5mm non-return valve.	1	No.		
D	12.5mm gate valve.	3	No.		
	Booster Pump				
E	Supply, install, test and commission an approved booster pump with its cage to detail.	1	Sum		
	Plumbing Works				
F	Allow a Provisional Sum of Kenya Shillings Twenty Five Thousand Only (25,000.00) For Plumbing Works	1	Sum		
	Carried to Collection				
	PLUMBING WORKS				
	COLLECTION	**Page No**			**Amount**
	Total Brought Forward from Page No.			Above	
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	SECTION SUMMARY - ABLUTION BLOCK	**Page No:**			
1	SUBSTRUCTURE WORKS				
2	REINFORCED CONCRETE SUPERSTRUCTURE				
3	ROOFING				
4	WALLING				
6	DOORS				
7	FINISHES				
8	MECHANICAL INSTALLATIONS				
	TOTAL FOR ABLUTION BLOCK TO GRAND SUMMARY			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	SECTIONAL SUMMARY - WASTE WATER DISPOSAL				
1	SEPTIC TANK				
2	ABLUTION BLOCK				
	TOTAL FOR WASTE WATER DISPOSAL CARRIED TO SUMMARY			**Kshs.**	

Item	Description	Quantity	Unit	Rate	Amount
	ELEVATED TANK				
	ELEMENT NO. 01				
	SUBSTRUCTURE WORKS				
	Excavations				
A	Excavate to remove topsoil; 150mm deep commencing from the ground level	21	Sm		
B	Excavate for column bases, commencing from stripped level and not exceeding 1.5m deep.	4	Cm		
	Disposal of excavated materials				
C	Remove surplus excavated material: load wheel and spread on site.	2	Cm		
D	Return fill and ram to the sides of foundations.	3	Cm		
	Insitu concrete : class 10/25mm				
E	50mm Blinding layer: under column foundations.	3	Sm		
	Insitu concrete: class 20/20mm: vibrated: reinforced				
F	150mm Surface bed	7	Sm		
G	Column bases	1	Cm		
H	Stub columns	1	Cm		
	High yield steel bar reinforcement to BS 4461 including bends, hooks, tying wires and spacer blocks. (Provisional)				
J	8mm Diameter bars	14	Kg		
K	16mm: ditto	118	Kg		
	Sawn cypress timber formwork to:-				
L	Edges of slab n.e 150mm girth	10	Lm		
M	Vertical sides of column bases.	3	Sm		
N	Ditto: sides of columns.	6	Sm		
	Carried to Summary				

	ELEMENT NO. 02				
	METALWORK				
	All structural steelworks shall be in accordance with BS 5950(1990), All welding in accordance with BS 135 and bolts and nuts. All steelwork shall be primed with red oxide before delivery on site. The rates shall allow for supply, assembly,fabrication, hoisting and erection; complete with all jointing cleats, gussets plates etc.				
A	75 x 75x 4mm thick x (9.04kg/m) SHS vertical members with and including mild steel plate with four holes for bolts.	12	Lm		
B	75 x 75 x 4mm thick x (9.04kg/m) SHS beams .	28	Lm		
C	50 x 50 x 5mm thick angle iron bracings weighing 3.7Kg/m including plates and bolting	17	Lm		
D	Base plates size 250 x 250 x 8mm thick 2No. Per base, held down by bolts (ms).	4	No.		
E	Grade 8.8 M25 chemical hold down-anchor bolts size 16mm diameter x 350mm long complete with all the necessary headnuts and washers; 4no. Per base, cast into concrete.	16	No.		
F	Supply and fix 3mm thick mild steel plate; welded to the metal framework to detail. (ms)	4	Sm		
	Balustrading				
G	750mm high mild steel balustrading comprising of 30 x 30 x 3mm RHS top rail, 750mm high vertical standards at 600mm centers, 500mm high balusters size 25 x 25 x 3mm RHS at 150mm centres, 50 x 6mm mild steel plate welded on top of the balusters including welding, priming and painting.	10	Lm		
	Access Ladder				
H	Access ladder overall dimensions 300 x 3000mm long fabricated from 2 No. 40 x 40 x 3mm SHS vertical main bars and 25 x 25 x 3mm horizontal bars at 300mm centres including welding to framework.	1	Item		
	Prepare and apply 3 coats of approved gloss oil paint to:-				
J	General surfaces of balustrading.	15	Sm		
K	General surfaces of structural steelwork	28	Sm		
L	Surfaces of steel plate	7	Sm		
	Carried to Summary				

	Plastic Water tank				
A	3000 litres capacity cylindrical plastic water storage tank as ROTO TANK or an approved equivalent raised to a heigh of 3000mm high from ground level with 2 No. 25mm diameter union long threaded nipples and 2 No. respective backnuts connection including perforations with all the necessary piping to detail.	1	No.		
	Valves				
B	12.5mm non-return valve.	1	No.		
C	12.5mm gate valve.	3	No.		
	Booster Pump				
D	Supply, install, test and commission an approved booster pump with and including its **lockable cage with an approved padlock as MINDY size 60mm with three keys and connection to the water supply line in the OPD to detail.**	1	Sum		
	Carried to Summary				

SUMMARY: ELEVATED TANK

		Page No.			Amount
A	SUBSTRUCTURE WORKS				
B	STRUCTURAL STEELWORK				
C	TANKS				
	Total For Elevated Tank Carried to Summary			**Kshs.**	

	1. RAINWATER COLLECTION, TANK AND BASE.				
	The following in 1 No. tank base				
	Excavations				
A	Excavate (average) 150mm to remove top soil: load wheel and spread on site as directed.	7	Sm		
B	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and deposit and spread on site as directed.	5	Cm		
	Imported hardcore				
C	Approved quarry stone hardcore filling : 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding	12	Sm		
	Murram blinding				
D	50mm Murram blinding to surface of hardcore	12	Sm		
	Insitu concrete : class 15/25mm				
F	50mm Blinding layer : under wall foundations	12	Sm		
	Backfilling				
G	Backfill and compact selected excavated materials	1	Cm		
H	Remove surplus spoil from the site and dispose off as directed by the Project Manager.	4	Cm		
	Labours and sundries				
J	One Layer 1000 gauge polythene sheet damp proof membrane : under bed : 300mm l	7	Sm		
K	Approved chemical anti-termite treatment.	7	Sm		
	Insitu concrete : class 20/20mm: vibrated : reinforced; to				
L	200mm thick base slab.	14	Sm		
M	Ground beams	2	Cm		
	High tensile steel bar reinforcement to BS 4461 (provisional) including bends, tying wires and spacer blocks.				
N	8mm diameter	37	Kg		
P	10mm diameter	77	Kg		
	Sawn formwork : to				
Q	Vertical sides of beams	6	Sm		
R	Vertical edge of bed : over 75 but not exceeding 150mm high	10	Lm		
	Carried to Collection				

A	**Selected and approved quality local stone load bearing (7N/mm^2) block walling in 200mm course heights: machine cut or smoothly dressed: bedded and jointed in cement and sand (1:4) mortar and reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course.** 200mm thick foundation walling.	18	Sm		
B	**Finishes** **Floor Finishes** 32mm thick cement and sand (1:3) screed: mixed with SIKA or equal and approved hardener; finished hard and smooth on concrete to detail.	18	Sm		
C	**Water storage tank.** 10000 litres capacity round plastic water storage tank as ROTO TANK or an approved equivalent with 2 NO. 25mm and 20mm diameter union long threaded nipples and 3 NO. respective backnuts connection including perforations with all the necessary piping.	2	No.		
	Carried to Collection				
	RAINWATER COLLECTION, TANK AND BASE. **COLLECTION** Total Brought Forward from Page No.	**Page No**		Above	**Amount**
	Total For Rainwater Collection, Tank and Base Carried to Summary			**KSHS.**	

	SECTIONAL SUMMARY - TANKS				
1	ELEVATED TANK				
2	RAINWATER COLLECTION				
	TOTAL FOR TANKS CARRIED TO SUMMARY			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
B	**BILL NO. 06** **3 PHASE POWER TRANSFORMER TRANSFORMER AND THREE PHASE CONNECTION** **Supply,Install and commission a three phase transformer and three phase line, with all the necessary wiring of the building including following KPLC requirements:** a) Voltage rating(as advised by KPLC) b) Cooling method : ONAN c) Insulation Class : As per KPLC standards d) Protection and earthing systems in line with KPLC guidelines	1	Lot		
	Total For Provision of Power Supply and Installation of a Transformer Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	BILL NO. 08 **GATE HOUSE**				
	ELEMENT NO. 1 **SUBSTRUCTURES (ALL PROVISIONAL)**				
	Site Clearance				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris	12	Sm		
	Excavation				
B	Excavate (average) 150mm to remove top soil: load wheel and spread on site as directed.	12	Sm		
C	Excavate foundation trench starting from reduced level not exceeding 1.50 meters deep.	16	Cm		
D	Return, fill-in and rum selected excavated materials around foundations	9	Cm		
E	Remove and cart away surplus excavated materials.	7	Cm		
	Diposal of water				
F	Keeping all excavations free from all water including spring or running water	1	Item		
	Planking and strutting				
G	Uphold the sides of all excavations	1	Item		
	Filling				
H	Hardcore filling in making up levels,exceeding 300mm thick in layers of 150mm maximum thickness	12	Sm		
J	50mm (average) thick quarry dust blinding to surfaces of hardcore	12	Sm		
	Antitermite treatment				
K	Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	12	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Concrete				
A	50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	11	Sm		
	Insitu concrete; reinforced; class 20 / (20mm); vibrated				
B	Foundations in trenches	3	Cm		
C	150mm thick bed;	12	Sm		
	Reinforcement				
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks				
D	Assorted Bars 8-12mm diameter	312	Kg		
	Fabric; B.S. 4483				
E	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(inclunding bends, tying wire and distance blocks	12	Sm		
	Sawn formwork to insitu concrete as described:-				
F	To sides; vertical or battering of foundations	7	Sm		
G	Edges of ground floor slab; 75 to 150mm wide	14	Lm		
	Walling				
H	200mm thick approved natural stone; local; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	22	Sm		
	Damp proofing				
J	Polythene sheet; 1000 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	12	Sm		
	Plinths				
	Insitu Finishings				
K	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	5	Sm		
	Painting and Decorations				
	Prepare and apply three coats bituminous paint to:				
L	Wood floated rendered plinths	5	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	SUBSTRUCTURE WORKS				
	COLLECTION				
	Brought Forward from page:	**Page:**			**Amount**
	TOTAL FOR SUBSTRUCTURE WORKS CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	REINFORCED CONCRETE FRAME				
	Insitu concrete; reinforced; class 20 /(20mm); vibrated				
A	Beams	1	Cm		
	Reinforcement				
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks				
B	Assorted Bars 8-12mm diameter	120	Kg		
	Sawn formwork to insitu concrete as described:-				
C	To sides of beams.	7	Sm		
	TOTAL FOR FRAME CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 3 **WALLING** **EXTERNAL WALLING** **Selected and approved quality local stone load bearing (7N/mm^2) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar**				
A	200mm thick walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	29	Sm		
B	Ditto; Gable wall	3	Sm		
	INTERNAL WALLING				
	NATURAL STONE WALLING				
C	200mm thick walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	6	Sm		
	DPC				
D	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	15	Lm		
	TOTAL FOR WALLING CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 4				
	ROOF CONSTRUCTION.				
	Galvanized steel box profile sheets; 28 gauge; prepainted				
A	Roof covering; 150mm laps on one end and one and a half corrugation side lap; fixed to angle section purlins with and including J-bolts, nut and neoprene washers.	17	Sm		
	Accessories, fixing as necessary to roof sheets				
B	150mm dia. Half round ridge cap	5	Sm		
	CARPENTRY				
	The following in sawn celcured cypress				
C	150 x 50mm wall plate rag-bolted at 1200mm centres with 12mm diameter bolts (m/s)	14	Lm		
D	200 x 50mm ridge board	5	Lm		
	The following sawn celcured cypress timber trusses, nailled connections, spanning 2500 to 3000mm wide, hoisting 3.0m above ground				
E	50 x 150mm ceiling joist	12	Lm		
F	50 x 150mm rafters	16	Lm		
G	100 x 50mm struts and ties	12	Lm		
H	100 x 50mm king post	3	Lm		
J	25 x 100mm nailing plates	2	Lm		
K	50 x 75mm purlins	21	Lm		
L	25 x 200mm fascia board	15	Lm		
	RAINWATER DISPOSAL				
	26g Galvanised mild steel sheeting; all welds ground smooth				
M	150 x 100mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	7	Lm		
N	Extra; 100mm dia.outlet 100mm long	2	No.		
P	100mm dia. rainwater downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall	5	Lm		
Q	Extra; swanneck bend with 1135mm projection	2	No.		
R	Extra; horse shoe bend	2	No.		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Painting and Decorations **Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-**				
A	General surfaces of fascia board; over 100 but not exceeding 300mm girth	15	Lm		
	Carried to Collection				
	ROOFING **COLLECTION** Brought Forward from page:	**Page:**			
	TOTAL FOR ROOF CONSTRUCTION CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 5				
	DOORS **Purpose Made Units - Steel Casement Doors**				
	Supply, assemble and fix the following purpose made standard section steel Door 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 and building in lugs				
A	Steel glazed mild steel door size 900 x 2400mm in small panes, fabricated from 50 x 25 x 3 mm RHS frame overall sorround and middle rails, infilled with 1.5mm thick mild steel sheet to a height of 1500mm and glazing to a height of 600mm high complete with three lever lock as union catalogue or equal; the frames fishtailed and grouted to concrete block wall or concrete head as per the door schedule.	1	No.		
	Wrot mahogany framed frames and framings				
C	150 x 50 mm; 2 No. labours; plugged door frame	6	Lm		
D	40 x 35 mm moulded architrave	12	Lm		
E	25 x 25mm moulded quadrants	12	Lm		
	45mm Thick solid core flush doors to B.S 459: part 2 veneered both sides with internal quality plywood and lipped on all edges in approved hardwood				
F	Single leaf door size 900 x 2100 mm high	1	No.		
	Iron mongery **Supply and fix the following to UNION catalogue or other equal and approved** *To softwood, hardwood or the like fixing with screws*				
G	Two lever mortice lock complete with set lever aluminium handle furniture	1	No.		
H	102 x 76 x 3mm satin stainless butt hinges with washers ref. HN-403030-SN	1.5	Prs		
J	300 x 75mm stainless steel 'PUSH' plate	1	No.		
K	Ditto; 'PULL' plate	1	No.		
L	150mm heavy duty door handle	1	No.		
M	Signage plates to Projects Manager's instructions.	5	No.		
	To concrete or blockwork; fixing with bolts; plugging				
N	Rubber door stop complete with 38 mm rawl bolt	6	No.		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	Painting and Decorations				
	Aluminium primer or other equal and approved wood primer before fixing: -				
A	Backs of frame, board, etc over 100mm but not exceeding 200mm girth	6	Lm		
	Knot, prime and stop; prepare and apply one coat stain and two coats of clear varnish				
B	General surfaces of timber doors	5	Sm		
C	Frames over 100mm but not exceeding girth	6	Lm		
	Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -				
D	General steel door surfaces (Both sides Measured)	21	Sm		
	Glazing				
E	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	5	Sm		
	Carried to Collection				
	DOORS				
	COLLECTION				
	Brought Forward from page:	**Page:**			**Amount:**
				Above	
	TOTAL FOR DOORS CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 6				
	WINDOWS **METAL WORK** **PURPOSE - MADE UNITS**				
	Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish.				
	Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws; plugging				
A	Window, overall size 1200 x 1500mm high with 2No. side-hung openable light size 500 x 1500mm high and 1No. fixed lights	2	No.		
	Glazing				
B	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	4	Sm		
	Painting and Decorations **On Metal work**				
	Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -				
C	General window surfaces (Both sides Measured)	8	Sm		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 7				
	FINISHES				
	Internal Finishes				
	Wall finishes				
	Plaster; 15mm thick, 2 No. coatwork, 12mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base				
A	Walls	41	Sm		
	Prepare and apply one undercoat and three coats of first quality emulsion paint as "Crown" to the following surfaces				
B	Plastered walls; internal	41	Sm		
	Floor finishes				
	Insitu Finishings				
	White non-slip ceramic floor tiles size 300 x 300 x 8mm as "SAJ CERAMICS" or an approved equivalent: bedded on cement and sand screeds (measured separately): jointed and grouted in matching colour cement mortar				
C	Floors	12	Sm		
D	Skirting; 100mm wide; rounded junction with wall finish and straight junction with floor finish.	16	Lm		
	Beds or Backings				
	Screed; cement and sand (1:3)				
E	20mm thick one coat backings; wood floated to receive ceramic floor tiles(m/s).	12	Sm		
	Ceiling Finishes				
	Chip board				
F	9mm thick patterned chip-board ceiling board nailed to timber brandering (m/s); nails punched and puttied.	12	Sm		
	Approved sawn softwood; second grade; pressure impregnated.				
G	50 x 50mm brandering.	48	Lm		
	Wrot cypress				
H	75 x 25mm moulded cornice	18	Lm		
	Prepare and apply one undercoat and three coats of first quality silk vinyl paint as "Crown" to the following surfaces				
K	Chip-board ceiling board	12	Sm		
L	Moulded cornice not exceeding 100mm girth	18	Lm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	External Finishes				
	Wall finishes				
	Render; 15mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -				
A	Beams	15	Sm		
	Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces				
B	Beams	15	Sm		
	Approved quality local stone blocks : regular coursed : medium chisel dressed with recessed horizontal and flush vertical joints as work proceeds : in cement and sand (1:3) mortar				
C	Extra over stone walling for medium chisel dressing one face	29	Sm		
	Aprons around the Building				
	Excavations				
D	Excavate (average) 150mm to remove top soil: load, wheel, deposit and spread roll on site.	8	Sm		
E	Remove surplus spoil from the site and deposit in permanent spoil heaps.	2	Cm		
	Imported hardcore				
F	Approved quarry stone hardcore filling: 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding.	8	Sm		
	Murram blinding				
G	50mm Murram blinding to surface of hardcore	8	Sm		
	Paving Slabs				
H	600mm x 600mm x 50mm thick precast concrete (1:2:4 class 20/15mm) paving slabs with minimum crushing strength of 20N/mm2 laid to required falls and cambers including 50mm thick stabilizing sand bed; jointed and neatly pointed in cement and sand (1:3) mortar	8	Sm		
	Carried to Collection				
	FINISHES				
	COLLECTION				
	Brought Forward from page:	**Page:**			**Amount:**
				Above	
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
	SECTIONAL SUMMARY - GATE HOUSE				
		From Page:			**Amount:**
1	SUBSTRUCTURE (ALL PROVISIONAL)				
2	FRAME				
3	WALLING				
4	ROOF CONSTRUCTION.				
5	DOORS				
6	WINDOWS				
7	FINISHES				
	TOTAL FOR GATE HOUSE CARRIED TO GRAND SUMMARY			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	3. GATE AND FENCING				
	PROPOSED BARBED WIRE FENCE AND A GATE.				
	ELEMENT NO. 1				
	SUBSTRUCTURE WORKS				
	Excavations				
A	Excavate for column pit, commencing from ground level depth not exceeding 1.5m deep:	2	Cm		
	Disposal of excavated materials				
B	Remove excavated material: remove and deposit spread on site	1	Cm		
C	Return, fill and ram selected excavated material around foundations	1	Cm		
	Disposal of water				
D	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	Planking and strutting				
E	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
	Insitu concrete: class 10/25mm				
F	50mm Blinding layer: under column foundations	1	Sm		
	Insitu concrete: class 20/20mm: vibrated : reinforced				
G	Columns	1	Cm		
H	Column bases	1	Cm		
	Mild steel bar reinforcement to BS 4449 (Provisional)				
J	8mm Diameter bars	2	Kg		
K	12mm; ditto	22	Kg		
	Sawn formwork : to				
L	Vertical side: column foundations	2	Sm		
M	Vertical sides of columns	5	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 2				
	REINFORCED CONCRETE SUPERSTRUCTURE				
	Insitu concrete : class 20/20 mm : vibrated : reinforced				
A	Columns	1	Cm		
	Mild steel bar reinforcement to BS 4449 (Provisional)				
B	8mm Diameter bars	13	Kg		
C	12mm Diameter bars	16	Kg		
	Sawn formwork : to				
D	Vertical sides of columns	3	Sm		
	Precast concrete units				
E	300 x 300 x 50mm thick precast concrete column coping; weathered, throated and bedded in cement sand (1:3) to detail.	2	No.		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 03				
	Gates				
A	Pupose made mild steel gate overall size 5000 x 2300mm high in two leaves including a wicket gate of size 900 x 2000mm high fabricated from 50 x 25 x 3mm thick RHS vertical bars at 300mm centres on two sides welded to 2 NO. 50 x 50 x 3mm SHS intermediate horizontal rail and overall sorround supported on, 200mm wide x 1.5mm mild steel plate welded on the middle and including 2NO. 100 x 100 x 4mm x (12.18 kg/m) steel stanchion embedded in concrete columns (measured separately) complete with 300mm long tower bolts all primed with red lead oxide before delivery to the site.	1	No.		
B	Ditto pedestrian gates size 1000 x 2400mm high	1	No.		
	Prepare touch up primer and apply two undercoats and one finishing coat gloss paint : to				
C	General surfaces of the gates(both sides measured)	38	Sm		
	Site Clearance				
D	Clear site of all bushes and shrubs, undergrowth and load wheel and dispose off the arising debris.	574	Lm		
E	2400mm high x 14 gauge chainlink complete with 12.5gauge x 7 strands galvanized barbed wired fencing with 100 x125mm cranked concrete posts at 2500mm centres mortised in class 20 mass concrete sorround with and including all the necessary excavations and bencing of chainlink at the bottom.	574	Lm		
	Signage/Branding				
F	Supply and install a signpost including all the necessary accessories to the Project Manager's satisfaction.		Sum		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	SECTIONAL SUMMARY - GATE AND FENCING				
		Page No.			
A	SUBSTRUCTURE WORKS	EW/90			
B	REINFORCED CONCRETE FRAME	EW/91			
D	GATES	EW/93			
	Total For Construction of a Gate and Fencing Carried to Summary			**KSHS.**	

Item	Description	Quantity	Unit	Rate	Amount
	SECTIONAL SUMMARY - EXTERNAL WORKS				
A	GATE HOUSE	EW/89			
B	GATE AND FENCING	EW/94			
	Total For Gate House, Gate and Fencing Carried to Summary			**Kshs.**	

Item	Description	Unit	Amount
	BILL NO. 09		
	PRIME COSTS, PROVISIONAL & CONTINGENCY SUMS		
	Electrical works		
A	Allow a Provisional Sum of Kenya Shillings One Million Five Hundred Thousand Only (Ksh. 1,500,000 .00) for internal wiring and provision of electraction fittings and installations Electrical works.	Sum	1,500,000.00
	TOTAL FOR PROVISION AND PC SUMS CARRIED TO SUMMARY		**1,500,000.00**

COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF FINANCE AND ECONOMIC PLANNING.

PROPOSED CONSTRUCTION OF SUPPORTING INFRASTRUCTURE AT KEDOWA MAIZE MILLING PLANT, KEDOWA/KIMUGUL WARD.

GRAND SUMMARY

BILL NO.	DESCRIPTION				AMOUNT
		From Page			
1	Preliminaries and Project Provisions				-
2	Maize Receiving Godown				
3	Dispatch Store				
4	Water Connection				
5	Office Block				
6	Waste water disposal and ablution block				
7	Water Tanks and Elevated Tank				
8	Transformer and Connection of all structure to the mains				
9	Fencing, Sentry Box and Gate				
10	Prime Costs & Provisional Sums				1,500,000.00
11	**Allow 4.5% For Contingency Sums**				
	TOTAL CARRIED TO FORM OF TENDER (Amount inclusive of 16% VAT & Withholding Tax)		**Kshs.**		

AMOUNT IN WORDS

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(Amount inclusive of 16% VAT and Withholding Tax)

Contractor's Official Rubber Stamp

Name of Witness

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Contractor's Signature

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Address Of Witness

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Date:

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Date:

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