

CONFIDENTIAL

TENDER NO:



COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF HEALTH SERVICES

TENDER DOCUMENT

BILLS OF QUANTITIES

FOR

PROPOSED CONSTRUCTION OF AN MCH, KITCHEN, STAFF HOUSE, RENOVATION OF EXISTING OPD AND ASSOCIATED EXTERNAL WORKS AT KUNYAK HEALTH CENTRE, KUNYAK WARD.

BUILDING AND CIVIL WORKS

AT

KIPKELION WEST SUB-COUNTY.

Prepared By:

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

Issued By:

OCTOBER 2024

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
	BILL NO. 01 GENERAL AND PARTICULAR PRELIMINARIES GENERAL PRELIMINARIES	
A	<u>PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</u> 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	<u>ABBREVIATIONS</u> 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	<u>ALTERATIONS TO BILLS, PRICING, ETC.</u> 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	<u>LIMITATIONS OF THE SITE</u> 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>PRELIMINARY INVESTIGATION OF THE SITE AND EXAMINATION OF DRAWINGS</u> 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	<u>SETTING OUT</u> 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	<u>BID SECURITY</u> 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	<u>PERFORMANCE BOND.</u> 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. 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>INSURANCE</u> 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. <u>PLANT, TOOLS AND VEHICLES</u> 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. <u>TRANSPORT TO AND FROM THE SITE</u> 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. <u>MATERIALS AND WORKMANSHIP.</u> 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. <u>SIGN FOR MATERIALS SUPPLIED.</u> 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. <u>MATERIALS ON SITE</u> 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	<u>STORAGE OF MATERIALS</u> 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	<u>SAMPLES AND TESTING OF MATERIALS</u> 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	<u>PROGRESS CHART.</u> 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	<u>HOARDING</u> 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>AREA TO BE OCCUPIED BY THE CONTRACTOR</u> 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	<u>ACCESS TO SITE AND TEMPORARY ROADS.</u> 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	<u>OFFICE AND SHEDS</u> 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	<u>OFFICE ETC. FOR THE PROJECT MANAGER</u> 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	<u>WATER FOR THE WORKS</u> 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	<u>LIGHTING AND POWER FOR THE WORKS</u> 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	<u>SECURITY OF THE WORKS</u> 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	<u>SANITATION OF THE WORKS</u> 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.	
C	<u>SUPERVISION AND WORKING HOURS</u> 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	<u>CONTRACTOR'S SUPERINTENDENT/SITE AGENT</u> 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	<u>PROVISIONAL WORK</u> 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	<u>PROVISIONAL SUMS.</u> 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	<u>ADJUSTMENT OF PROVISIONAL SUMS.</u> 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>PRIME COST (OR P.C.) SUMS.</u> 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	<u>ADJUSTMENT OF PRIME COST SUMS.</u> 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	<u>NOMINATED SUB-CONTRACTORS</u> 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	<u>DIRECT CONTRACTS</u> 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	<u>ATTENDANCE UPON OTHER TRADESMEN, ETC.</u> 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	<u>NOMINATED SUPPLIERS</u> 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>FIXING ONLY</u> 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	<u>BLASTING OPERATIONS</u> 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	<u>MATERIALS ARISING FROM EXCAVATIONS</u> 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	<u>PROTECTION OF THE WORKS.</u> 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	<u>REMOVAL OF RUBBISH ETC.</u> 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	<u>WORKS TO BE DELIVERED UP CLEAN</u> 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.</u> 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	<u>TRAINING LEVY</u> 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	<u>STANDARD LEVY</u> 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	<u>THE NCA REGULATIONS</u> The 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	<u>NEMA REQUIREMENTS</u> 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	<u>COVID-19 REGULATIONS COMPLIANCE</u> 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	<u>FIRM PRICE CONTRACT</u> 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	<u>VALUE ADDED TAX</u> 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	

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<u>OCCUPATION CERTIFICATE</u> 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	<u>STAMP CHARGES</u> The Contractor shall allow for the payment of all stamp charges in connection with the Surety Bond and the Contract Agreement.	
C	<u>GROUND INVESTIGATIONS</u> 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 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	<u>WARRANTY, GUARANTEES & MAINTENANCE MANUALS</u> 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	<u>AS-BUILT DRAWINGS & DOCUMENTATIONS</u> 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	<u>GENERAL SPECIFICATION</u> 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	<u>COPYRIGHT, DETAILS TO BE PRIVATE AND CONFIDENTIAL</u> 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	

GENERAL PRELIMINARIES

[illegible]

Item	Description	Amount
	BILL NO. 01 GENERAL AND PARTICULAR PRELIMINARIES <u>PARTICULAR PRELIMINARIES</u> <u>PARTIES</u> A <u>EMPLOYER</u> 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 <u>PROJECT MANAGER</u> 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 <u>ARCHITECT</u> 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 <u>QUANTITY SURVEYOR</u> 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 <u>ELECTRICAL ENGINEER</u> 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 <u>MECHANICAL ENGINEER</u> 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 <u>CIVIL/STRUCTURAL ENGINEER</u> 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 <u>LAND SURVEYOR</u> The term "Land 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. J <u>LOCATION OF THE SITE</u> The site for works is located at Kunyak Ward, Kipkelion West 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	<u>SCOPE OF THE CONTRACT</u> The works to be carried out under this contract comprises of construction of a 2-Storey Building comprising of Ground Floor with layouts as shown in the drawings. The works include renovation of existing building, construction of a staff House and Kitchen. The corresponding Electrical (Power, Lighting and Structured Cabling Installations, Sub-Mains intake, ducting and distribution) and Mechanical works (Sanitary, Plumbing and Drainage Installations, External water reticulation, rainwater goods, Fire Fighting Equipment and Installations and Lift Installation) shall be supplied, installed, tested and commissioned as directed. External Works shall comprise of pavings and parkings, Gate and Gate House sewer drainage, burning chamber and a ash pit etc.							
B	<u>DESCRIPTION OF THE WORKS</u> The works are on a gently sloping site. The works comprise of Construction of a Non-Communicable Disease Centre as per the above scope to completion as per the Drawings, Schedules, Specifications and Instructions given. This being a specialized Department, works shall include installation of infrastructure for medical equipment and facilities.							
C	<u>FLOOR AREA</u> The Plinth area is given without warranty and is for guidance only. <table><tr><td>Ground and First Floors</td><td>536 SM</td></tr><tr><td>Staff House</td><td>65 SM</td></tr><tr><td>Kitchen</td><td>50 SM</td></tr></table>	Ground and First Floors	536 SM	Staff House	65 SM	Kitchen	50 SM	
Ground and First Floors	536 SM							
Staff House	65 SM							
Kitchen	50 SM							
D	<u>MEASUREMENTS</u> 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.							
E	<u>GENERAL SPECIFICATION</u> 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.							
F	<u>TENDER DOCUMENTS</u> Tender documents are as listed in the Instruction to Tenderers.							
G	<u>PRICING RATES</u> 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.							
	Carried to Collection							

Item	Description	Amount
A	<u>SIGNING OF THE TENDER DOCUMENTS</u> The bidder shall append his / her signature and / or company's rubber stamp on <u>each and every page of tender document.</u>	
B	<u>DELIVERY OF TENDER</u> 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	<u>SUFFICIENCY OF TENDER</u> 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	<u>CONTRACT PERIOD</u> 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	<u>URGENCY OF THE WORKS</u> 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	<u>SIGNBOARD</u> 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	<u>LABOUR CAMPS</u> 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	<u>EXISTING SERVICES</u> 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	<u>DEMOLITIONS AND ALTERATIONS</u> 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. <u>MATERIALS FROM DEMOLITIONS</u> 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. <u>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</u> 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. <u>CLEARING AWAY</u> 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. <u>WORKING CONDITIONS</u> 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. <u>PAYMENTS</u> 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. <u>PAYMENT FOR MATERIALS ON SITE</u> 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	<u>CLAIMS</u> 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	<u>FORM OF CONTRACT</u> 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	

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PROJECT PROVISIONS

Item	Description	Amount
	BILL NO. 03 PROJECT PROVISIONS <i>Sums in this section shall be expended in whole or in part at the Project Manager's discretion and shall be reimbursed against receipts. The Contractor is advised to price for other preliminaries under the General and Particular Preliminaries section in this document.</i> <i>Where the Contractor is allowed to quote, execution of such quoted works shall be strictly under the instruction of the Project Manager's.</i> <i>The Project Manager reserves the right to instruct alternative uses of these funds.</i>	
A	<u>Project Implementation Team Supervision</u> Allow a Provisional Sum of Kenya Shillings One Million Only (Kshs. 1,000,000.00) 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 @%	1,000,000.00
B	<u>Project Manager's Site Office, Furniture and Equipment</u> Allow a Provisional Cost Sum of Kenya Shillings Two Hundred and Fifty Thousand Only (Kshs. 250,000) 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 @%	250,000.00
	 Allow a Provisional Sum of Kenya Shillings Three Hundred and Fifty Thousand only (Kshs. 350,000) be expended at the discretion of the project manager for the supply of 1 No. laptop for the project; minimum requirements: 12th Gen. Core i7 processor, 32GB DDR4 RAM, 1TB SSD internal storage, 6GB GDDR6 graphics card, touch screen with 4K display, and running on the latest Windows/iOS operating system. (Make to be advised by the Project Manager) Allow for the Contractor's Profit on the above @%	350,000.00
C	<u>Services for the Project Manager's Staff and Office</u> Allow a Provisional Sum of Kenya Shillings One Hundred and Fifty Thousand only (Kshs. 150,000) 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 @%	100,000.00
D	<u>Enviromental Impact Assessment</u> 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 @%	100,000.00
	TOTAL FOR PROJECT PROVISIONS CARRIED TO SUMMARY	

SECTIONAL SUMMARY 1

Item	Description	Amount
	<u>SECTIONAL SUMMARY - GENERAL PRELIMINARIES, PARTICULAR PRELIMINARIES AND PROJECT PROVISIONS.</u>	
	<u>COLLECTION</u>	
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	-

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
	BILL NO. 02 : PROPOSED CONSTRUCTION OF AN MCH AT KUNYAK HC.				
	ELEMENT NO. 01				
	SUBSTRUCTURE WORKS				
	Site Preparation				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm, load wheel and dispose off the arising debris from site.	386	Sm		
	Excavations and earthworks				
B	Excavate (average) 450mm to remove top soil; load, wheel and dispose off the site as directed.	139	Cm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	210	Cm		
D	Ditto; Over 1.50 but not exceeding 3.0 metres	139	Cm		
E	Excavate for column pits , commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	100	Cm		
F	Ditto; Over 1.50 but not exceeding 3.0 metres	67	Cm		
	Backfilling				
G	Return, fill-in and rum selected excavated materials around foundations	316	Cm		
	Disposal of excavated materials				
H	Load wheel and dispose off the site the arising materials as directed.	200	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 : 450mm thick (overall) : deposit, spread, level and compact in layers not exceeding 125mm thick : to receive blinding	185	Cm		
	Murram blinding				
M	50mm Murram blinding to surface of hardcore	308	Sm		
	Labours and sundries				
N	One Layer 1000 gauge polythene sheet damp proof membrane: under bed: 300mm laps	308	Sm		
P	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	308	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
	Concrete Works				
	<u>Insitu plain concrete: class 15/20mm</u>				
A	50mm Blinding layer : under wall foundations	138	Sm		
B	Ditto; Column bases	67	Sm		
	<u>Insitu concrete: class 25/20mm: vibrated : reinforced; to</u>				
C	Foundation in trenches	35	Cm		
D	Columns	7	Cm		
E	Column bases	17	Cm		
F	Ground Beams	15	Cm		
G	150mm Bed	308	Sm		
H	Ditto aprons	68	Sm		
	<u>Deformed reinforcement bars to BS 4449 (provisional) including bends, tying wires and spacer blocks.</u>				
J	Assorted bars 8-16mm diameter	10360	Kg		
	<u>Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps</u>				
K	In surface bed	376	Sm		
	<u>Sawn formwork : to</u>				
L	Vertical side: wall foundations	115	Sm		
M	Vertical sides of Column Bases	56	Sm		
N	Vertical sides of columns	115	Sm		
P	Vertical sides of ground beams	138	Sm		
Q	Vertical edge of bed: over 75 but not exceeding 150mm high	112	Lm		
	<u>Approved quality local stone load bearing (7N/mm²) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar : reinforced with hoop iron</u>				
R	200mm Walling	574	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH.

[illegible]

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	REINFORCED CONCRETE FRAME				
	<u>Insitu concrete: class 25/20 mm aggregates : vibrated : reinforced</u>				
A	Beams	28	Cm		
B	Columns	18	Cm		
C	Toe beams - Staircases	1	Cm		
D	Stairs	2	Cm		
E	150mm thick; suspended slab	228	Sm		
F	Ramp slabs	28	Sm		
G	Waist - Staircases	6	Sm		
H	Landings (Staircase and ramp)	18	Sm		
	<u>Deformed reinforcement bars to BS 4449 (provisional) including bends, tying wires and spacer blocks.</u>				
J	Assorted bars 8-16mm diameter	12740	Kg		
	<u>Marine board formwork: to</u>				
K	Sides and soffits: beams	370	Sm		
L	Vertical sides of columns	276	Sm		
M	Soffits of suspended slab	228	Sm		
N	sloping soffits of ramp slabs	28	Sm		
P	Soffits of landings	18	Sm		
Q	Sloping soffits of the staircases	6	Sm		
R	Edges of open raking string to steps 300mm high(extreme), including cutting and fitting to profile of treads and risers.	4	Sm		
S	Edges of suspended slab over 75mm but not exceeding 150mm high.	82	Lm		
T	Edges of ramp slabs over 150mm but not exceeding 225mm high.	34	Lm		
U	Edges of risers over 75mm but not exceeding 150mm high.	24	Lm		
V	Edges of landings over 75mm but not exceeding 150mm high.	26	Lm		
	Carried to Summary				

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 03 WALLING <u>External Walling</u> <u>Selected and approved quality local stone load bearing (7N/mm²) block walling in 200mm course heights :machine cut stones: recessed horizontal joints : flush vertical joints : in cement and sand (1:3) mortar</u>				
A	200mm thick walling external walls	520	Sm		
	<u>Internal Walling</u> <u>Selected and approved quality local stone load bearing (7N/mm²) block walling in 200mm course heights :machine cut stones: recessed horizontal joints : flush vertical joints : in cement and sand (1:3) mortar</u>				
B	200mm thick walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	411	Sm		
C	Ditto but 100mm thick wall	58	Sm		
D	Ditto but 150mm thick wall	8	Sm		
	DPC				
E	200mm wide 3 Ply Hessian based bituminous damp proof course as directed.	239	Lm		
F	Ditto but 150mm thick	4	Lm		
G	Ditto but 100mm thick	20	Lm		

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 05				
	ROOFING				
	i. FLAT ROOF FINISHES - Concrete Canopy				
	<u>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)</u>				
A	25mm thick screed slab; laid to falls and cross falls.	19	Sm		
	Water Proofing				
	<u>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.</u>				
B	To flat roof slab	19	Sm		
	<u>Cement/sand (1:3) screed with SIKA 1 ADMIXTURE or other equal and approved admixture, steel trowelled hard and smooth top layer</u>				
C	25mm thick screed to roof slab.	19	Sm		
	<u>Clay 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</u>				
D	To flat roof slab.	19	Sm		
	ii. Hipped/Gable Roof				
	Roof Covering				
	<u>28 Gauge; pre-painted corrugated galvanised steel sheet roofing ; fix using galvanised nails with rubber caps on timber purlins as directed</u>				
E	Coverings to 23 degrees roof: nailed every third course	412	Sm		
	<u>Accessories, fixing as necessary to roof sheets</u>				
B	Flat metal sheet valley gutter; 28 gauge; 600mm wide; including bending and fixing.	12	Lm		
G	150mm dia. Half round ridge and hip caps.	81	Lm		
	<u>Structural timbers ; sawn cypress ; pressure impregnated; with and including all nails, bolts, plates etc and all connections as detailed including hoisting hoisting 6.0m above ground (provisional)</u>				
H	50 x 75mm Purlins	397	Lm		
J	50 x 150mm Wall plate : fixed with and including 12mm diameter mild steel ragbolt 150mm long at 900mm centres ; cast in ring beams.	112	Lm		
K	50 x 150mm trussed rafters	300	Lm		
L	50 x 100mm common rafters	157	Lm		
M	50 x 150mm King post	55	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
A	50 x 100mm struts and ties	484	Lm		
B	Ditto: Valley Rafters	12	Lm		
C	Ditto: Hipped Rafters	40	Lm		
D	50 x 150mm Ceiling Joist	184	Lm		
	<u>Rainwater Disposal (provisional)</u>				
	<u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>				
E	Extra-over for 110mm diameter rainwater outlet	14	No.		
F	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	84	Lm		
G	Extra-over for bend	14	No.		
H	Extra-over for swanneck : 600mm projection	14	No.		
J	Extra-over for rainwater shoe	14	No.		
	<u>24g Galvanised mild steel sheeting; all welds ground smooth</u>				
K	150 x 150mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	114	Lm		
	<u>Eaves and verges</u>				
	<u>Sawn cypress timber in:</u>				
L	25 x 250mm fascia board	114	Lm		
	<u>Prepare and knot coated surfaces : prime and apply two undercoats and one finishing coat gloss paint : on wood</u>				
M	Fascia : over 200 but not exceeding 300mm girth	114	Lm		
	Carried to Collection				
	<u>ROOFING</u>				
	<u>COLLECTION</u>	<u>Page No</u>			<u>Amount</u>
	Total Brought Forward from Page No.	MB/26			-
		MB/27	Above		-
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 06</u>				
	<u>DOORS</u>				
	<u>Purpose Made Units - Steel Casement Doors</u>				
	<u>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</u>				
A	Steel glazed mild steel door size 900 x 2400mm in small panes, fabricated from 50 x 25 x 3 mm RHS frame overall surround 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. - Stores, Pharmacy and Records	5	No.		
B	Ditto; double leaf size 1200 x 2400mm high	1	No.		
C	Ditto; double leaf size 1500 x 2400mm high	3	No.		
D	Ditto; double leaf size 1800 x 2700mm high; with a fixed light on top - Main Entrance	2	No.		
	<u>i. Timber Flush Doors</u>				
E	Solid core single leaf flush door overall size 900 x 2400mm high with laminated with beech veneer both sides hardwood lipped all round; including fanlight 300mm high complete with 20x40mm glazing beads. - Offices and Consultation Rooms	20	No.		
F	Ditto: but size 900 x 2100mm high. - WCs and Sluice Rooms	13	No.		
	<u>Wrot Mahogany or any other approved Hardwood: selected and kept clean</u>				
G	25mm Quadrant beading	176	Lm		
H	50 x 25mm wrot prime grade architrave with two labours; plugged	176	Lm		
J	100 x 50mm Frame : four labours : screwed and pelltated	176	Lm		
K	Ditto; transomes	19	Lm		
	<u>Iron Mongery</u>				
	<u>Supply and fix: English "Union" or other equal and approved ironmongery: matching locks to include a set of 3 keys: catalogue numbers refer to "Union Locks & Architectural Hardware" East Africa catalogue issued by "Assa Abloy (E.A) Limited": available from their authorized local dealers (prices of locks to be inclusive of handles)</u>				
L	100 x 75 x 3mm satin stainless butt hinges with washers ref. HN-403030-SN	69	No.		
M	2-lever mortice lock	20	No.		
N	Indicator Bolts	13	No.		
	Carried to collection				

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
A	Cylinder satin steel floor mounted door stops	50	No.		
B	Plastic door Signages	13	No.		
C	Door closer including hold-open devices as per Assa Abloy 7836 (Heavy Duty) an EQUAL and approved.	25	No.		
D	300mm high stainless steel kickplate - All timber flush doors	33	No.		
E	Stainless steel hat and coat hook	13	No.		
	Glazing				
	<u>6mm thick clear sheet glass and glazing gasket/approved adhesives in</u>				
F	Panes sizes not exceeding 0.1 sm	18	Sm		
G	Ditto fanlight	6	Sm		
	Carried to collection				
	<u>DOORS</u>				
	<u>COLLECTION</u>	<u>Page No</u>			<u>Amount</u>
	Total Brought Forward from Page No.	MB/28			-
		MB/29			-
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 07</u>				
	<u>WINDOWS</u>				
	<u>Mild steel casement windows</u>				
	<u>Steel casement window; purpose made standard metal casement sections complete with Zed sections; permanent ventilators comprising 'T' bar gauze and metal hood; openable casements; coupling mullions; approved ironmongery; as per schedule. Pattern to Architects Details and Approval.</u>				
A	600 x 600mm high top hung window.	12	No.		
B	1000 x 1500mm high side hung window with 2 No. openable leaves.	17	No.		
C	1200 x 1500mm high side hung window with 2 No. openable leaves.	3	No.		
D	1500 x 1500mm high side hung window with 2 No. openable leaves.	26	No.		
E	1800 x 1500mm high side hung window with 2 No. openable leaves.	9	No.		
F	2000 x 900mm high side hung window with 2 No. openable leaves.	1	No.		
G	2000 x 1500mm high side hung window with 2 No. openable leaves.	1	No.		
H	3000 x 900mm high side hung window with 2 No. openable leaves.	1	No.		
J	3000 x 1500mm high side hung window with 2 No. openable leaves.	3	No.		
K	4000 x 900mm high side hung window with 2 No. openable leaves.	2	No.		
L	4000 x 1500mm high side hung window with 2 No. openable leaves.	2	No.		
M	1800 x 4000mm high side fixed light.	2	No.		
N	2000 x 2700mm high side fixed light.	1	No.		
	<u>Precast concrete class 25/12 units bedded and jointed in cement/sand (1:4) mortar in:-</u>				
P	300 x 100mm once weathered and throated window cill, complete with and including 25 x 3mm thick galvanised mild steel weather bar, stepped damp proof course	146	Lm		
	<u>Painting</u>				
	<u>Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of:-</u>				
Q	Windows (both sides measured)	346	Sm		
	<u>Glazing</u>				
	<u>6mm thick clear sheet glass and glazing gasket/approved adhesives in</u>				
R	Panes sizes not exceeding 0.1 sm	173	Sm		
	<u>Wrought Iron curtain rods: to architect's approval</u>				
S	Supply and fix curtain rods to detail.	146	Lm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 08				
	FINISHES				
	INTERNAL FINISHES				
	Floor Finishes				
	50mm thick Cement/sand (1:4) wood float finish screed incorporating Double Strength Plus SRA hardener or other equal and approved to receive ceramic tiles in:-				
A	Floors	536	Sm		
	Non-slip ceramic floor tiles size 600 x 600 x 10mm as SAJ CERAMIC approved by the Architect : bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar				
B	Floors	536	Sm		
C	8 x 100mm high ceramic floor skirting including 12mm screed and grouting.	507	Lm		
	Wall Finishes				
	2-coat plaster comprising 9mm cement/sand (1:4) and 3mm cement/lime (1:5) fine skimmer coat plaster steel trowelled hard and smooth to:-				
D	Walls	1474	Sm		
	Prepare and apply one undercoat, and two final coats matt Emulsion paint with Teflon as CROWN or other equivalent to:				
E	Plastered walls	1474	Sm		
	Cement and sand (1:4); in to ceramic tiles (m.s)				
F	10mm thick backing in walls to receive wall tiles (WCs, Sluice rooms, sink, scrub areas and worktops)	206	Sm		
	Approved matt finish ceramic wall tiles with rectified edges laid in horizontal format to 1650mm high above finished floor level with straight continuous joints not exceeding 2mm wide both directions with manufacturer's approved adhesive, jointed and flush pointed with tinted and flexible epoxy grout in approved colour including rounded aluminium edge strips to approval				
G	300 x 200 x 8mm thick tiles fixed onto prepared cement/sand backing (ms)	206	Sm		
	Ceiling finishes				
	2-coat plaster comprising 9mm cement/sand (1:4) and 3mm cement/lime (1:5) fine skimmer coat plaster steel trowelled hard and smooth to:-				
H	Soffits of suspended slabs	228	Sm		
	Prepare and apply one undercoat, and two final coats matt Emulsion paint with Teflon as CROWN or other equivalent to:				
J	Soffits of suspended slabs	228	Sm		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
	<u>Gypsum Ceiling</u>				
	<u>12mm thick gypsum plasterboard fixed with screws to galvanised light weight steel framework suspended from concrete slab above with mild steel angle sections, perimeter channels, primary support channels, strap hangers, connecting clips etc with joints skimmed with gypsum plaster including forming and curved cuttings; to:</u>				
A	Ceilings to pattern	308	Sm		
B	100 x 25mm thick gypsum cornice	287	Lm		
	<u>Prepare and apply three coats 1st grade matt emulsion paint ; to</u>				
C	Soffits of gypsum ceiling.	308	Sm		
D	Cornice: not exceeding 100mm girth	287	Lm		
	<u>EXTERNAL FINISHES</u>				
	<u>Wall Finishes</u>				
	<u>15mm Cement and sand (1:4) render : wood float finish : on concrete or stonework : to</u>				
E	Concrete and masonry surfaces	336	Sm		
	<u>Prepare and apply one acrylic based undercoat and three coats of Permaplast zero paint as 'Crown' or other equal and approved to:-</u>				
F	Rendered surfaces	336	Sm		
	<u>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</u>				
G	Extra over stone walling for medium chisel dressing one face	520	Sm		
	<u>Ceiling Finishes</u>				
	<u>2-coat plaster comprising 9mm cement/sand (1:4) and 3mm cement/lime (1:5) fine skimmer coat plaster steel trowelled hard and smooth to:-</u>				
H	Soffits of Landing	18	Sm		
J	Ditto ramp slabs	28	Sm		
K	Sloping soffits of the staircase	6	Sm		
L	Strings	4	Sm		
	Carried to collection				

PROPOSED CONSTRUCTION OF AN MCH.

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Item	Description	Quantity	Unit	Rate	Amount
	FINISHES COLLECTION Total Brought Forward from Page No.	Page No MB/31 MB/32 MB/33			Amount -
					-
					-
					-
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 08				
	FITTINGS AND FIXTURES				
	High level shelves - Offices and Consultation rooms				
A	720mm wide x 600mm high cupboard comprising 50 x 50mm wrot softwood frame plugged, 50 x 25mm softwood bearers, 18mm thick MDF board with melamine laminate to doors including decorative moulding, shelves, divisions, complete with piano hinges, ball catches, apply three coats, clear lacquer polyurathane matt, to Architect's details	16	Lm		
	The following in Tall Units				
	<u>50 x 50mm wrot softwood frame plugged, 50 x 25mm softwood bearers, 18mm thick MDF board with melamine laminate to doors (bottom half of the shelves) including decorative moulding, shelves, divisions, complete with piano hinges, kimbs, ball catches, apply three coats, clear lacquer polyurathane matt, to Architect's details</u>				
B	Size 450mm wide x 2400mm high	12	Lm		
	Mild steel railing - Staircases, balconies and ramps				
C	920mm high mild steel railing, ground smooth comprising 50mm diameter x 4mm thick handrail fixed to 50mm diameter stainless steel balusters with approved clips at centres not exceeding 1000mm rawl bolted onto concrete floor (m/s) including base plate, cap, infilled with and including 10mm diameter solid top, intermediate, bottom rails fixed onto balusters with approved clips, all curving to radii where applicable to Manufacturer's details (Staircase, ramps and roof space)	35	Lm		
	Handrail				
D	50mm diameter x 4mm thick stainless steel handrail, smooth ground welded onto 20mm diameter x 150mm girth wall bracket rawl bolted onto concrete floor (m/s) including plate, cap, all curving to radii where applicable to Manufacturer's details	35	Lm		
	<u>Prepare and apply red oxide primer and three coats gloss oil paint to metal</u>				
E	General surfaces	65	Sm		
	Screen rods - Observation Area				
F	Supply and fix standard, heavy duty 35mm diameter tubular stainless steel rods plugged onto the soffits of concrete slab complete with all holding rings and fixing with approved screws to background requiring plugging.	31	Lm		
	<u>Counter Tops for drug display and preparation counter, service counter, laboratory, etc.</u>				
G	600mm (average) wide x 1000mm (average) high tops comprising, 100mm thick mass concrete plinth finished in 40mm thick cement/sand (1:4) screed steel trowelled hard and smooth, 75mm thick concrete 20/20 top slab with mesh A142 reinforcement including opening for sinks, computer cables, etc. as necessary finished in 20mm thick polished granite slab and 75mm fascias with coved edges, 100mm thick masonry front and support walls at 1500mm centres plastered and ceramic tiled both sides, to Architect's details	14	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Signage/Branding</u>	Sum			
	Supply and install of illuminated a 3D facility signage bearing and fabricated signpost mounted at the main gate including all the necessary accessories all to Project Manager's satisfaction.				
B	<u>Water storage tank.</u>	2	No.		
	5000 litres capacity round double layer 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.				
	Carried to Collection				
	<u>FITTINGS AND FIXTURES</u> <u>COLLECTION</u> Total Brought Forward from Page No.	<u>Page No</u>			<u>Amount</u>
					-
				Above	-
	Carried to Summary				-

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY - MAIN BUILDING</u>		<u>Page No:</u>			
1	SUBSTRUCTURE WORKS (ALL PROVISIONAL)	MB/23			
2	REINFORCED CONCRETE FRAME	MB/24			
3	WALLING	MB/25			
4	ROOFING	MB/27			
5	DOORS	MB/29			
6	WINDOWS	MB/30			
7	FINISHES	MB/34			
8	FITTINGS AND FIXTURES	MB/36			
TOTAL FOR MAIN BUILDING CARRIED TO GRAND SUMMARY				Kshs.	-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 02</u>				
	<u>RE-ROOFING</u>				
	<u>Roof Covering</u>				
	<u>28 Gauge: pre-painted box profile steel sheet roofing: fix using galvanised self tapping bolts with rubber caps on timber purlins as directed</u>				
A	Coverings to gable roof 22.5 degrees pitch: nailed every third course	272	Sm		
	<u>Supply and fix sheet metal ridge capping: 28 gauge galvanised mild steel</u>				
B	28G x 380mm	30	Lm		
	<u>Sheet metal flashing: 26 gauge galvanised mild steel</u>				
C	28G x 150 x 125mm box gutter	62	Lm		
	<u>Wrot cypress : 1st grade ; selected and kept clean</u>				
D	25 x 200mm Fascia or barge board	82	Lm		
	<u>The following in sawn celcured cypress</u>				
E	200 x 25mm ridge board	30	Lm		
	<u>The following sawn celcured cypress timber trusses, nailed connections, spanning to 10000mm wide, hoisting 3.0m above ground</u>				
F	50 x 100mm ceiling joist	77	Lm		
G	Ditto: trussed rafters	102	Lm		
H	50 x 75mm struts and ties	131	Lm		
J	Ditto: king post	24	Lm		
K	Ditto: purlins	142	Lm		
L	50 x 50mm brandering	662	Lm		
	<u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>				
M	100mm Diameter rainwater downpipe: fixed to wall with approved holderbats	12	Lm		
N	Extra-over for stopped end	4	No.		
P	Extra-over for 100mm diameter rainwater outlet	4	No.		
Q	E.O Downpipe for 100mm Diameter "Fulbora" roof outlet: with dome grating: joint to pipe	4	No.		
R	Extra-over for bend	4	No.		
S	Extra for swanneck : 600mm projection	4	No.		
T	Extra for rainwater shoe	4	No.		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	<u>Prepare and knot coated surfaces: prime and apply two undercoats and one finishing coat gloss paint : on wood</u>				
A	Fascia: over 200 but not exceeding 300mm girth	82	Lm		
B	Ditto: General surfaces of the gutter	62	Sm		
	Carried to Collection				
	<u>ROOFING</u> <u>COLLECTION</u> Brought Forward from page:	<u>Page:</u> EB/38 EB/40		<u>Amount:</u> - Above -	
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02 - FINISHES				
	<u>Internal Finishes</u>				
	<u>Wall finishes</u>				
	<u>Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to</u>				
A	Plastered walls; internal	412	Sm		
	<u>Ceiling finishes</u>				
	<u>Chipboard ceiling</u>				
B	12mm Chipboard ceiling: fixed to and including 50 x 50mm sawn cypress bandering to detail.	251	Sm		
C	Cornice	203	Lm		
	<u>Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to</u>				
D	Ceiling boards	251	Sm		
E	Ditto: Cornice	203	Lm		
	<u>Floor finishes</u>				
	<u>White non-slip ceramic floor tiles size 600 x 600 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</u>				
F	Floors	251	Sm		
G	Skirting; 150mm wide; rounded junction with wall finish and straight junction with floor finish.	203	Lm		
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
H	32mm thick one coat backings; wood floated to receive ceramic floor tiles(m/s).	251	Sm		
	<u>External Finishes</u>				
	<u>Wall finishes</u>				
	<u>Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to</u>				
J	Plastered and rendered surfaces	314	Sm		
	<u>Floor finishes</u>				
	<u>White non-slip ceramic floor tiles size 600 x 600 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</u>				
K	Floors and waiting benches	33	Sm		
L	Skirting; 100mm wide; rounded junction with wall finish and straight junction with floor finish.	52	Sm		
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
M	20mm thick one coat backings; wood floated to receive ceramic floor tiles(m/s).	33	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY - RENOVATION OF OPD</u>		<u>Page No:</u>			<u>Amount</u>
1	TEMPORARY WORKS, DEMOLITIONS AND AUXILIARY SERVICES	EB/38			-
3	RE-ROOFING	EB/40			-
4	FINISHES	EB/41			-
TOTAL FOR RENOVATION OF OPD CARRIED TO GRAND SUMMARY				KSHS.	

Item	Description	Quantity	Unit	Rate	Amount
	<u>BILL NO. 04: PROPOSED CONSTRUCTION OF A STAFF HOUSE</u>				
	<u>ELEMENT NO. 01</u>				
	<u>SUBSTRUCTURE WORKS</u>				
	<u>Site Preparation</u>				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris	65	Sm		
	<u>Excavations</u>				
B	Excavate (average) 150mm to remove top soil : deposit on site in temporary spoil heaps	65	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and dispose off the site.	55	Cm		
D	Ditto; columns	2	Cm		
	<u>Disposal of water</u>				
E	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	<u>Planking and strutting</u>				
F	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
	<u>Imported hardcore</u>				
G	Approved quarry stone hardcore filling: 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding	65	Sm		
	<u>Murram blinding</u>				
H	50mm Murram blinding to surface of hardcore	65	Sm		
	<u>In situ concrete : class 15/25mm</u>				
J	50mm Blinding layer : under wall foundations	37	Sm		
	<u>Backfilling</u>				
K	Backfill and compact selected excavated materials	36	Cm		
L	Remove surplus spoil from the site and deposit in permanent spoil heaps.	19	Cm		
	<u>Labours and sundries</u>				
M	One Layer 1000 gauge polythene sheet damp proof membrane : under bed: 300mm laps	65	Sm		
N	Approved chemical anti-termite treatment.	65	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Insitu concrete : class 20/20mm: vibrated : reinforced; to</u> Foundation in trenches	8	Cm		
B	Foundation columns	1	Cm		
C	150mm Surface bed	65	Sm		
D	Ditto: aprons	24	Sm		
	<u>High tensile steel bar reinforcement to BS 4461 (provisional) including bends, tying wires and spacer blocks.</u>				
E	8mm Diameter bars	124	Kg		
F	12mm diameter	290	Kg		
	<u>Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps</u>				
G	In slab and aprons.	89	Sm		
	<u>Sawn formwork : to</u>				
H	Vertical side: wall foundations	25	Sm		
J	Vertical side: beams	25	Sm		
K	Vertical edge of bed: over 75 but not exceeding 150mm high	36	Lm		
	<u>Approved quality local stone load bearing (7N/mm²) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar : reinforced with hoop iron</u>				
L	200mm Walling	76	Sm		
	<u>Plinth Finishes</u>				
M	12mm Cement and sand (1:4) render with woodfloat finish : to exposed plinth walls	12	Sm		
N	Prepare and apply two coats bituminous paint to rendered plinths	12	Sm		
	Carried to Collection				
	<u>SUBSTRUCTURE WORKS</u>				
	<u>COLLECTION</u>	<u>Page No</u>			<u>Amount</u>
	Total Brought Forward from Page No.	SH/43			-
		SH/44		Above	-
	Carried to Summary				-

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Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 04</u>				
	<u>ROOFING</u>				
	<u>Roof Covering</u>				
	<u>28 Gauge; Resincot IT5 roofing steel roofing sheets; fix using galvanised self tapping bolts with rubber caps on timber purlins as directed</u>				
A	Coverings to 23degrees gable roof: nailed every third course	98	Sm		
	<u>Supply and fix Sheet metal ridge/hip capping: 28 gauge galvanised mild steel</u>				
B	28G x 380mm	13	Lm		
C	Flat metal sheet valley gutter; 28 gauge; 600mm wide; including bending and fixing.	18	Lm		
	<u>Structural timbers ; sawn cypress ; pressure impregnated; with and including all nails, bolts, plates etc and all connections as detailed: (All provisional)</u>				
E	50 x 50mm Purlins	105	Lm		
F	50 x 100mm Wall plate : fixed with and including 12mm diameter mild steel ragbolt 150mm long at 900mm centres ; cast in ring beams.	61	Lm		
G	50 x 75mm King post	14	Lm		
H	Ditto: Valley rafters	36	Lm		
J	Ditto: Hip rafters	26	Lm		
K	50 x 75mm rafters	89	Lm		
L	50 x 75mm struts and ties	75	Lm		
M	50 x 75mm Ceiling Joist	43	Lm		
	<u>Eaves and verges</u>				
	<u>Sawn cypress timber in:</u>				
N	25 x 250mm fascia board	38	Lm		
P	50 x 50mm runners	78	Lm		
Q	Ditto; Bearers	76	Lm		
	<u>Wrot cypress ; 1st grade ; selected and kept clean</u>				
R	15mm Thick x 100mm wide tongued and grooved eaves boarding.	24	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Mosquito gauze</u> Extra over eaves boarding for 200 x 200mm mosquito gauze vents 25 x 12mm wrot cypress beading to edges.	5	No.		
B	<u>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	38	Lm		
C	Ditto; Eaves boarding	24	Sm		
D	<u>Rainwater Disposal (provisional)</u> <u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u> 150mm diameter half round gutter: fixed with approved brackets to fascia board	38	Lm		
E	Extra-over for 100mm diameter rainwater outlet	5	No.		
F	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	14	Lm		
G	Extra-over for bend	5	No.		
J	Extra-over for swanneck: 600mm projection	5	No.		
K	Extra-over for rainwater shoe	5	No.		
	Carried to Collection				
	ROOFING COLLECTION Total Brought Forward from Page No.	Page No SH/47 SH/48			Amount - - Above
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 05</u>				
	<u>DOORS</u>				
	<u>Steel Casement Doors</u>				
	<u>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</u>				
A	Single leaf mild steel glazed mild steel door size 900 x 2400mm in two opennable leaves 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 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.	1	No.		
	<u>Timber Flush Doors</u>				
	<u>Flush doors; solid cored: with mahogany veneer both sides: hardwood lipping all edges</u>				
B	45mm thick single leaf door overal size 900 x 2400mm : 20 x 12mm moulded beading both faces.	5	No.		
C	Ditto; single leaf; size 820 x 2060mm	2	No.		
	<u>Wrot Mahogany : selected and kept clean</u>				
D	50 x 20mm Architrave : two labours	54	Lm		
E	100 x 50mm Frame : four labours : screwed and pellated	27	Lm		
F	Ditto; transomes	5	Lm		
	<u>Glazing</u>				
	<u>6mm thick Clear sheet glass and glazing gasket/approved adhesives in</u>				
G	Panes sizes not exceeding 0.1 sm	3	Sm		
H	Ditto; Fanlight	2	Sm		
	Carried to collection				

Item	Description	Quantity	Unit	Rate	Amount
	Iron Mongery <u>Supply and fix: English "Union" or other equal and approved ironmongery: matching locks to include a set of 3 keys: catalogue numbers refer to "Union Locks & Architectural Hardware" East Africa catalogue issued by "Assa Abloy (E.A) Limited": available from their authorized local dealers (prices of locks to be inclusive of handles)</u>				
A	100mm Pressed steel butt hinges	11	Prs		
B	2-lever cylinder lock: rebated	5	No.		
C	100mm long flush bolts; Cat No. FB-150 SB	2	No.		
D	Rubber door stops (Union Ref 8400)	8	No.		
E	Polished brass hat and coat hook	2	No.		
	<u>Prepare and prime before fixing: on woodwork</u>				
F	Frames : not exceeding 100mm girth	27	Lm		
	<u>Prepare and apply three coats polyurethane clear varnish : on wood work</u>				
G	Frames : over 200 but not exceeding 300mm girth	27	Lm		
H	General surfaces of the door; both sides measured.	32	Sm		
	<u>Prepare and apply three coats of gloss oil paint : on steel works</u>				
J	General surfaces of the door; both sides measured.	5	Sm		
	Carried to collection				
	<u>DOORS</u> <u>COLLECTION</u> Total Brought Forward from Page No.	Page No SH/49 SH/50		 Above	<u>Amount</u> - -
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 07				
	FINISHES				
	INTERNAL FINISHES				
	Floor Finishes				
	Cement and sand (1:4); in to ceramic tiles (m.s)				
A	32mm thick screed	65	Sm		
	White glazed ceramic floor tiles size 600 x 600 x 8mm as approved by the Architect : bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar				
B	Floors	65	Sm		
C	8x100mm high ceramic floor skirting including 12mm screed and grouting.	61	Lm		
	Wall Finishes				
	12mm Lime plaster : steel trowelled finish: on concrete blockwork or stonework: to				
D	Walls	181	Sm		
	Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to				
E	Walls	181	Sm		
	Cement and sand (1:4); in to ceramic tiles (m.s)				
F	32mm thick backing to receive ceramic wall tiles	13	Sm		
	Coloured glazed ceramic floor tiles size 600 x 600 x 8mm as approved by the Architect : bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar				
G	Walls (Washrooms)	13	Sm		
	Ceiling finishes				
	Chipboard ceiling				
H	12mm Chipboard ceiling : fixed to and including 50 x 50mm sawn cypress branderling (ms): with and including 50 x 25mm camphor timber moulded cover beads to joints	65	Sm		
	Wrot cypress : knot free : suitable for clear finish : selected and kept clean				
J	100 x 25mm Moulded cornice	61	Lm		
	Sawn cypress timber; in				
K	50 x 50mm branderling	247	Lm		
	Prepare and prime before fixing : on woodwork				
L	Cornice : not exceeding 100mm girth	172	Lm		
	Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to				
M	Chipboard ceiling	65	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	EXTERNAL FINISHES				
	Wall Finishes				
	<u>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</u>				
A	Extra over stone walling for medium chisel dressing one face	92	Sm		
	<u>15mm Cement and sand (1:4) render : wood float finish : on concrete or stonework: to</u>				
B	Concrete surfaces	28	Sm		
	<u>Prepare and apply three coats 1st grade exterior quality paint as approved: to</u>				
C	Rendered surfaces	28	Sm		
	Floor Finishes				
	<u>32mm thick screed; Cement and sand (1:4); in</u>				
D	Aprons with and including colouring admixture.	24	Sm		
	Carried to collection				
	FINISHES				
	COLLECTION	Page No			Amount
	Total Brought Forward from Page No.	SH/52			-
		SH/53		Above	-
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 08 PLUMBING FITTINGS AND INSTALLATIONS <u>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.</u> Step Toilet for WC System A 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 as CTM's EKOS Alpha White Toilet Suite or and approved equivalent.	1	No.		
	Wash Hand Basin B 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 Twyford's 'Sola 510' or an equal and approved	2	No.		
	Kitchen Sink C Single bowl , single drainer stainless steel kitchen sink of size 800 x 480 x 170mm complete with chrome plated including waste traps, plugs, chainstays, overflow and 1 number sink bib tap chrome plated bottle trap with 75mm deep seal as CTM's Contempo Stainless Steel Kitchen Sink Ref: EISN7310F or an EQUAL and approved.	1	No.		
	Mirror D 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.	2	No.		
	Toilet Roll Holder E Toilet roll holder in vitreous china to BS 3402 in white colour of size 165x165mm and recessed into wall.	1	No.		
	Shower Head F Instant electric shower head heater with embedded rod type sheathed element, electrically insulated with electronic temperature control complete with wide rose and overflow to withstand a working pressure of upto 5.5KN and complete with extension shower arm and 4mm ² electric supply cable to neon lit DP switch, all to be as "Lorenzetti" or equal and approved.	1	No.		
	Taps G Taps as Lirlee or an approved equivalent	4	No.		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 09 <u>WALL UNITS AND WARDROBES</u> <u>Kitchen Work top</u> 600mm (average) wide x 1000mm (average) high tops comprising, 100mm thick mass concrete plinth finished in 40mm thick cement/sand (1:4) screed steel trowelled hard and smooth, 75mm thick concrete 20/20 top slab with mesh A142 reinforcement including opening for sinks, etc. as necessary finished in 20mm thick polished granite slab and 75mm fascias with coved edges, 100mm thick masonry front and support walls at 1500mm centres plastered and ceramic tiled both sides, to Architect's details <u>High level shelves</u> 720mm wide x 600mm high cupboard comprising 50 x 50mm wrot softwood frame plugged, 50 x 25mm softwood bearers, 18mm thick MDF board with melamine laminate to doors including decorative moulding, shelves, divisions, complete with piano hinges, ball catches, apply three coats, clear lacquer polyurathane matt, to Architect's details <u>WARDROBES</u> Supply and fix 1600mm long x 2400mm high x 600mm deep wardrobe units in 18mm thick particle boards with and including 8mm thick clealaminated glass doors with 100 x 50mm thick soft wood frames all round;including drawers and partitions; Aluminium pile with center and end brackets/supports; including all fixing accessories with locks, specified stainless steel hinges and full extension slides and runners all with soft close mechanism as supplied by Kinetic Accessories.				
A		3	Lm		
B		3	Lm		
C		2	No.		
	TOTAL FOR WALL UNITS AND WARDROBES CARRIED TO SUMMARY				

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTION SUMMARY - STAFF HOUSE</u>		<u>Page No.</u>			<u>Amount</u>
1	SUBSTRUCTURE WORKS	SH/42			-
2	REINFORCED CONCRETE SUPERSTRUCTURE FRAME	SH/44			-
3	WALLING	SH/45			-
4	ROOFING	SH/46			-
5	DOORS	SH/48			-
6	WINDOWS	SH/50			-
7	FINISHES	SH/51			-
8	PLUMBING FITTINGS AND INSTALLATIONS	SH/53			-
9	FITTINGS AND FIXTURES	SH/56			-
TOTAL FOR STAFF HOUSE CARRIED TO SUMMARY				KSHS.	-

Item	Description	Quantity	Unit	Rate	Amount
	<u>BILL NO. 05: PROPOSED CONSTRUCTION OF A KITCHEN</u>				
	<u>ELEMENT NO. 01</u>				
	<u>SUBSTRUCTURE WORKS</u>				
	<u>Site Preparation</u>				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris	50	Sm		
	<u>Excavations</u>				
B	Excavate (average) 150mm to remove top soil : deposit on site in temporary spoil heaps	50	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and dispose off the site.	39	Cm		
D	Ditto; columns	2	Cm		
	<u>Disposal of water</u>				
E	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	<u>Planking and strutting</u>				
F	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
	<u>Imported hardcore</u>				
G	Approved quarry stone hardcore filling: 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding	50	Sm		
	<u>Murram blinding</u>				
H	50mm Murram blinding to surface of hardcore	50	Sm		
	<u>Insitu concrete : class 15/25mm</u>				
J	50mm Blinding layer : under wall foundations	25	Sm		
	<u>Backfilling</u>				
K	Backfill and compact selected excavated materials	36	Cm		
L	Remove surplus spoil from the site and deposit in permanent spoil heaps.	3	Cm		
	<u>Labours and sundries</u>				
M	One Layer 1000 gauge polythene sheet damp proof membrane : under bed: 300mm laps	50	Sm		
N	Approved chemical anti-termite treatment.	50	Sm		
	Carried to Collection				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>Insitu concrete : class 20/20mm: vibrated : reinforced; to</u>				
A	Foundation in trenches	7	Cm		
C	150mm Surface bed	50	Sm		
D	Ditto: aprons	21	Sm		
	<u>High tensile steel bar reinforcement to BS 4461 (provisional) including bends, tying wires and spacer blocks.</u>				
E	Assorted bars 8-12mm Diameter bars	487	Kg		
	<u>Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps</u>				
F	In slab and aprons.	71	Sm		
	<u>Sawn formwork : to</u>				
G	Vertical side: wall foundations	16	Sm		
H	Vertical edge of bed: over 75 but not exceeding 150mm high	36	Lm		
	<u>Approved quality local stone load bearing (7N/mm²) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar : reinforced with hoop iron</u>				
J	200mm Walling	61	Sm		
	<u>Plinth Finishes</u>				
K	12mm Cement and sand (1:4) render with woodfloat finish : to exposed plinth walls	17	Sm		
L	Prepare and apply two coats bituminous paint to rendered plinths	17	Sm		
	Carried to Collection				
	<u>SUBSTRUCTURE WORKS</u>				
	<u>COLLECTION</u>	<u>Page No</u>			<u>Amount</u>
	Total Brought Forward from Page No.	KN/58			-
		KN/59	Above		-
	Carried to Summary				-

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Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 04</u>				
	<u>ROOFING</u>				
	<u>Roof Covering</u>				
	<u>28 Gauge; Resincot IT5 roofing steel roofing sheets; fix using galvanised self tapping bolts with rubber caps on timber purlins as directed</u>				
A	Coverings to 23degrees gable roof: nailed every third course	66	Sm		
	<u>Supply and fix Sheet metal ridge/hip capping: 28 gauge galvanised mild steel</u>				
B	28G x 380mm	14	Lm		
C	Flat metal sheet valley gutter; 28 gauge; 600mm wide; including bending and fixing.	8	Lm		
	<u>Structural timbers ; sawn cypress ; pressure impregnated; with and including all nails, bolts, plates etc and all connections as detailed: (All provisional)</u>				
D	50 x 50mm Purlins	98	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.	33	Lm		
F	50 x 75mm King post	18	Lm		
G	Ditto: Valley rafters	16	Lm		
H	Ditto: Hip rafters	28	Lm		
J	50 x 75mm rafters	67	Lm		
K	50 x 75mm struts and ties	102	Lm		
L	50 x 75mm Ceiling Joist	61	Lm		
	<u>Eaves and verges</u>				
	<u>Sawn cypress timber in:</u>				
M	25 x 250mm fascia board	38	Lm		
N	50 x 50mm runners	78	Lm		
P	Ditto; Bearers	76	Lm		
	<u>Wrot cypress ; 1st grade ; selected and kept clean</u>				
Q	15mm Thick x 100mm wide tongued and grooved eaves boarding.	23	Sm		
	Carried to Collection				-

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Mosquito gauze</u> Extra over eaves boarding for 200 x 200mm mosquito gauze vents 25 x 12mm wrot cypress beading to edges.	5	No.		
B	<u>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	38	Lm		
C	Ditto; Eaves boarding	23	Sm		
D	<u>Rainwater Disposal (provisional)</u> <u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u> 150mm diameter half round gutter: fixed with approved brackets to fascia board	38	Lm		
E	Extra-over for 100mm diameter rainwater outlet	4	No.		
F	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	14	Lm		
G	Extra-over for bend	4	No.		
J	Extra-over for swanneck: 600mm projection	4	No.		
K	Extra-over for rainwater shoe	4	No.		
	Carried to Collection				-
	ROOFING COLLECTION Total Brought Forward from Page No.	Page No KN/63 KN/64			Amount - - Above
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 05</u>				
	<u>DOORS</u>				
	<u>Steel Casement Doors</u>				
	<u>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</u>				
A	Double leaf mild steel glazed mild steel door size 1200 x 2400mm in two opennable leaves 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 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.		
	<u>Timber Flush Doors</u>				
	<u>Flush doors; solid cored: with mahogany veneer both sides: hardwood lipping all edges</u>				
B	45mm thick single leaf door overal size 900 x 2400mm : 20 x 12mm moulded beading both faces.	2	No.		
	<u>Wrot camphor : selected and kept clean</u>				
C	50 x 20mm Architrave : two labours	24	Lm		
D	100 x 50mm Frame : four labours : screwed and pellated	12	Lm		
E	Ditto; transomes	2	Lm		
	<u>Glazing</u>				
	<u>6mm thick Clear sheet glass and glazing gasket/approved adhesives in</u>				
F	Panes sizes not exceeding 0.1 sm	3	Sm		
G	Ditto; Fanlight	2	Sm		
	<u>Iron Mongery</u>				
	<u>Supply and fix: English "Union" or other equal and approved ironmongery: matching locks to include a set of 3 keys: catalogue numbers refer to "Union Locks & Architectural Hardware" East Africa catalogue issued by "Assa Abloy (E.A) Limited": available from their authorized local dealers (prices of locks to be inclusive of handles)</u>				
H	100mm Pressed steel butt hinges	11	Prs		
J	2-lever cylinder lock: rebated	5	No.		
K	100mm long flush bolts; Cat No. FB-150 SB	2	No.		
L	Rubber door stops (Union Ref 8400)	8	No.		
M	Polished brass hat and coat hook	2	No.		
	Carried to collection				-

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Prepare and prime before fixing: on woodwork</u> Frames : not exceeding 100mm girth	12	Lm		
B	<u>Prepare and apply three coats polyurethane clear varnish : on wood work</u> Frames : over 200 but not exceeding 300mm girth	12	Lm		
C	General surfaces of the door; both sides measured.	32	Sm		
D	<u>Prepare and apply three coats of gloss oil paint : on steel works</u> General surfaces of the door; both sides measured.	5	Sm		
Carried to collection					
DOORS COLLECTION Total Brought Forward from Page No.		Page No			Amount
		KN/65			-
		KN/66		Above	-
Carried to Summary					-

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 06 WINDOWS <u>Mild steel casement windows</u> <u>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</u>				
A	1500 x 1500mm high side hung window	7	No.		
	<u>Wrought Iron curtain rods: to architect's approval</u> Supply and fix: 50mm diameter: antique wrought iron curtain: including the main sheer rods: with and including fixing brackets/hooks: including and approved decorative end finials: plugged and fixed to stone wall.	13	Lm		
C	<u>Precast concrete cill</u> 150 x 50mm clay tile window cill bedded and jointed in cement/sand mortar.	13	Lm		
D	<u>Painting</u> <u>Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of:-</u> Windows (both sides measured)	32	Sm		
E	<u>Glazing</u> <u>6mm thick laminated one way glass and glazing gasket/approved adhesives in</u> Panes sizes not exceeding 0.1 sm	16	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 07				
	FINISHES				
	INTERNAL FINISHES				
	Floor Finishes				
	Cement and sand (1:4); in to ceramic tiles (m.s)				
A	32mm thick screed	50	Sm		
	White glazed ceramic floor tiles size 600 x 600 x 8mm as approved by the Architect : bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar				
B	Floors	50	Sm		
C	8x100mm high ceramic floor skirting including 12mm screed and grouting.	41	Lm		
	Wall Finishes				
	12mm Lime plaster : steel trowelled finish: on concrete blockwork or stonework: to				
D	Walls	118	Sm		
	Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to				
E	Walls	118	Sm		
	Ceiling finishes				
	Chipboard ceiling				
F	9mm Chipboard ceiling : fixed to and including 50 x 50mm sawn cypress branderling (ms): with and including 50 x 25mm camphor timber moulded cover beads to joints	50	Sm		
	Wrot cypress : knot free : suitable for clear finish : selected and kept clean				
G	100 x 25mm Moulded cornice	45	Lm		
	Sawn cypress timber; in				
H	50 x 50mm branderling	200	Lm		
	Prepare and prime before fixing : on woodwork				
J	Cornice : not exceeding 100mm girth	45	Lm		
	Prepare and apply three coats 1st grade Silk Vinyl paint as "Crown Solo" or an equivalent and approved: to				
K	Chipboard ceiling	50	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				
L	Extra over stone walling for medium chisel dressing one face	84	Sm		
	15mm Cement and sand (1:4) render : wood float finish : on concrete or stonework: to				
M	Concrete surfaces	28	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Prepare and apply three coats 1st grade exterior quality paint as approved: to</u> Rendered surfaces	28	Sm		
B	<u>Floor Finishes</u> <u>32mm thick screed; Cement and sand (1:4); in</u> Ditto; Aprons but pigmented	24	Sm		
	Carried to collection				
	FINISHES COLLECTION Total Brought Forward from Page No.	Page No KN/69 KN/70			Amount - Above -
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
A	ELEMENT NO. 08				
	<u>FITTINGS AND FIXTURES</u>				
	<u>High level shelves</u>				
	720mm wide x 600mm high cupboard comprising 50 x 50mm wrot softwood frame plugged, 50 x 25mm softwood bearers, 18mm thick MDF board with melamine laminate to doors including decorative moulding, shelves, divisions, complete with piano hinges, ball catches, apply three coats, clear lacquer polyurathane matt, to Architect's details	4	Lm		
	<u>The following in Tall Units</u>				
	<u>50 x 50mm wrot softwood frame plugged, 50 x 25mm softwood bearers, 18mm thick MDF board with melamine laminate to doors (bottom half of the shelves) including decorative moulding, shelves, divisions, complete with piano hinges, kimbs, ball catches, apply three coats, clear lacquer polyurathane matt, to Architect's details</u>				
B	Size 450mm wide x 2400mm high	4	Lm		
C	<u>Kitchen Work top</u>				
	600mm (average) wide x 1000mm (average) high tops comprising, 100mm thick mass concrete plinth finished in 40mm thick cement/sand (1:4) screed steel trowelled hard and smooth, 75mm thick concrete 20/20 top slab with mesh A142 reinforcement including opening for sinks, etc. as necessary finished in 20mm thick polished granite slab and 75mm fascias with coved edges, 100mm thick masonry front and support walls at 1500mm centres plastered and ceramic tiled both sides, to Architect's details	5	Lm		
D	<u>Kitchen Hood Extractor</u>				
	Supply and install a Heavy Duty stainless steel mounted kitchen hood overall size 3000mm x 1200mm x 500mm deep complete with exhaust pipes size 300mm x 2000mm fabricated from 22 gauge steel sheet and reinforced with 40 x 40 x 3mm SHS members with and including grease filters, duct work, external extractor fan and a corrugated firewood fireplace to handle 2 boilers to detail.	1	No.		
E	<u>Commercial gas cooker</u>				
	Supply, install, test and commission a Heavy Duty fabricated stainless steel gas burner complete with all the piping and necessary accessories.	1	No.		
F	<u>Gas cylinder storage cage</u>				
	Supply and install wall mounted gas cylinder size 2040mm long x 760mm wide x 1285mm high complete with all the necessary accessories.	1	No.		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 09 - PLUMBING FITTINGS AND INSTALLATIONS</u> <u>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.</u> <u>Wash Hand Basin</u> A 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 <u>Kitchen Sink</u> B Double bowl, double drainer stainless steel kitchen sink of size 800 x 480 x 170mm complete with chrome plated including waste traps, plugs, chainstays, overflow and 1 number sink bib tap chrome plated bottle trap with 75mm deep seal as CTM's Contempo Stainless Steel Kitchen Sink Ref: EISN7310F or an EQUAL and approved. <u>Mirror</u> D 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. <u>Taps</u> G Taps as Lirlee or an approved equivalent	1	No.		
		1	No.		
		2	No.		
		3	No.		
	Carried to Collection				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>SECTION SUMMARY - KITCHEN UNIT</u>	<u>Page No.</u>			<u>Amount</u>
1	SUBSTRUCTURE WORKS	KN/58			
2	REINFORCED CONCRETE SUPERSTRUCTURE FRAME	KN/60			
3	WALLING	KN/61			
4	ROOFING	KN/64			
5	DOORS	KN/66			
6	WINDOWS	KN/67			
7	FINISHES	KN/70			
8	FITTINGS AND FIXTURES	KN/71			
9	PLUMBING FITTINGS AND INSTALLATIONS	KN/72			
TOTAL FOR KITCHEN UNIT CARRIED TO SUMMARY				KSHS.	-

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
BILL NO. 05. EXTERNAL WORKS					
1. FOUL DRAINAGE					
<u>Excavations</u>					
A	Excavate for trench 450mm wide in black cotton soils to receive 150mm diameter uPVC pipes, part return and remainder cart away (m/s); not exceeding 1500mm deep.	30	Cm		
<u>Backfilling</u>					
B	Backfill and compact selected excavated materials	27	Cm		
C	Remove surplus spoil from the site and cart away from site.	3	Cm		
<u>Disposal of water</u>					
D	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
<u>Planking and strutting</u>					
E	Planking and strutting to sides of all excavations : keep excavations free from all fallen materials	1	Item		
<u>Piping</u>					
F	150mm diameter uPVC heavy duty drainage pipe below ground level with tight sealed joints, all the necessary fittings and laid to falls to detail.	110	Lm		
<u>Inspection Chamber</u>					
G	Manholes size 750 x 750 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 block 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.	12	No.		
H	Medium duty cast iron inspection chamber size 600 x 450mm including and casting in concrete and greasings.	12	No.		
<u>Testing and commissioning</u>					
J	Allow for testing and commissioning of the whole system	1	Item		
<u>Connection to Septic Tank</u>					
K	Allow for connecting the line to the septic tank to the Septic Tank.	1	Item		
TOTAL FOR FOUL DRAINAGE CARRIED TO SUMMARY				Kshs.	-

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	<u>2. SEPTIC TANK</u>				
	<u>The following in 1 No. 45,000.00 litres septic tank</u>				
	<u>Excavations</u>				
A	Excavate pit in black cotton soils starting at ground level, not exceeding 1500 mm deep.	32	Cm		
B	Ditto; over 1500mm deep but n.e 3000mm	11	Cm		
	<u>Disposal of excavated materials</u>				
C	Backfill selected excavated material round sides of walling.	12	Cm		
D	Remove surplus excavated from material from site .	31	Cm		
	<u>Planking and strutting</u>				
E	Allow for maintaining and supporting sides of excavating and for keeping the same free from fallen materials.	1	Item		
	<u>Disposal of water</u>				
F	Allowing for keeping the excavations free from water and mud by pumping balling or otherwise.	1	Item		
	<u>Concrete works</u>				
G	50mm blinding bed in plain concrete,(1:4:8-38mm aggregate) as described.	22	Sm		
	<u>Reinforced concrete class 25/20 with and including approved waterproofing admixture at a cement:admixture ratio of 1:1; vibrated and reinforced as described in:-</u>				
H	200mm suspended slab; horizontal	22	Sm		
K	200mm bed laid to slope not exceeding 15° (degrees) from the horizontal.	22	Sm		
L	200mm thick walling	43	Sm		
M	100mm thick scum baffle walls	4	Sm		
N	Extra-Over for thickening on the underside.	29	Lm		
	<u>Deformed reinforcement to BS 4449; including tying wires, spacer blocks and bends</u>				
P	Assorted bars 10 - 12mm diameter	1958	Kg		
	<u>Sawn cypress timber Formwork as described to:-</u>				
Q	Soffits of suspended slab.	22	Sm		
R	Sides walls.	94	Sm		
S	Edge of suspended slab and sides of openings over 75mm but not exceeding 150mm	29	Lm		
T	Edge of bed over 75mm but not exceeding 150mm high	29	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
A	Ditto to edges of openings	9	Lm		
	<u>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;</u>				
B	20mm finish to bed	22	Sm		
C	Ditto: cover slab finished smooth	22	Sm		
	<u>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;</u>				
D	10mm finish to walls (both sides)	94	Sm		
	<u>Sundry Items</u>				
E	450 x 600mm cast iron mable 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.		
F	Form or leave 200mm diameter hole in wall for outlet	2	Lm		
G	Ditto for inlet pipe	1	No.		
H	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		
J	110/110 inspection tee	2	No.		
K	Supply and install 110mm diameter breather pipe with a cap to as directed.	4	Lm		
	Carried to Collection				
	<u>SEPTIC TANK</u>				
	<u>COLLECTION</u>	<u>Page No</u>			<u>Amount</u>
	Total Brought Forward from Page No.	EW/74			-
		EW/75	Above		-
TOTAL FOR SEPTIC TANK CARRIED TO SUMMARY				KSHS.	-

Item	Description	Quantity	Unit	Rate	Amount
	3. SOAK PIT				
	<u>The following in Soak Pit overall size 1500mm diameter x 4500mm deep</u>				
	<u>Site Preparation</u>				
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		
	<u>Excavations</u>				
B	Bulk excavation for pit in black cotton soil starting from ground level, not exceeding 1500 mm deep.	8	Cm		
C	Ditto; over 1500mm deep but n.e 3000mm	6	Cm		
D	Ditto; over 3000mm deep but n.e 4500mm	6	Cm		
	<u>Disposal of excavated materials</u>				
E	Backfill selected excavated material round sides of walling.	4	Cm		
F	Remove surplus excavated from material from site .	16	Cm		
	<u>Planking and strutting</u>				
G	Allow for maintaining and supporting sides of excavating and for keeping the same free from fallen materials.	1	Item		
	<u>Disposal of water</u>				
H	Allowing for keeping the excavations free from water and mud by pumping balling or otherwise.	1	Item		
	<u>Imported hardcore</u>				
J	Approved quarry stone hardcore filling : 300mm thick (overall): deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding.	16	Cm		
	<u>Concrete works</u>				
	<u>Plain concrete mix (1:4:8-38mm aggregate) as described in.</u>				
K	Blinding to strip footing	4	Sm		
	<u>Reinforced concrete class 20/20; vibrated and reinforced as described in:-</u>				
L	Strip footing	1	Cm		
M	200mm thick slab	2	Sm		
	<u>Deformed reinforcement bars to BS 4449; including tying wires, spacer blocks and bends to detail.</u>				
N	Assorted Bars 8-12mm diameter	220	Kg		
	<u>Sawn cypress timber Formwork as described to:-</u>				
P	Formwork left in to the soffits of suspended slab.	2	Sm		
Q	Vertical sides of strip footing.	2	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH

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		
C	<u>Approved quality local stone load bearing (7N/mm²) block walling: medium chisel dressed : in regular courses : in cement and sand (1:3) mortar; reinforced with hoop at alternate courses</u> 150mm thick	4	Sm		
D	<u>Cement and sand (1:3) screed with water proofing additive.</u> 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		
E	<u>Sundry Items</u> 450 x 600mm cast iron mable 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.		
F	Form or leave 110mm diameter hole in wall for outlet	1	No.		
	Carried to Collection				
	<u>SOAK PIT</u> <u>COLLECTION</u> Total Brought Forward from Page No.	Page No: EW/76 EW/77			<u>Amount</u> - Above -
TOTAL FOR SOAK PIT CARRIED TO SUMMARY				Kshs.	-

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	<u>COLLECTION - FOUL DRAINAGE, SEPTIC TANK, SOAK PIT</u>	<u>Page No.</u>			
1	FOUL DRAINAGE	EW/74			
2	SEPTIC TANK	EW/75			
3	SOAK PIT	EW/77			
TOTAL FOR SEPTIC TANK, FOUL DRAINAGE AND SOAK PIT CARRIED TO SUMMARY					-

PROPOSED CONSTRUCTION OF AN MCH

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PROPOSED CONSTRUCTION OF AN MCH

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

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	SUBSTRUCTURE WORKS COLLECTION Brought Forward from page:	Page: EW/78 EW/79			Amount - -
	TOTAL FOR SUBSTRUCTURE WORKS CARRIED TO SUMMARY				-

PROPOSED CONSTRUCTION OF AN MCH

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

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 3 <u>WALLING</u> <u>EXTERNAL WALLING</u> <u>Selected and approved quality local stone load bearing (7N/mm²) 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</u>				
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		
	<u>INTERNAL WALLING</u> <u>NATURAL STONE WALLING</u>				
C	200mm thick walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	6	Sm		
D	<u>DPC</u> 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				-

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 4</u>				
	<u>ROOF CONSTRUCTION.</u>				
	<u>Galvanized steel box profile sheets; 28 gauge; prepainted</u>				
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		
	<u>Accessories, fixing as necessary to roof sheets</u>				
B	150mm dia. Half round ridge cap	5	Sm		
	<u>CARPENTRY</u>				
	<u>The following in sawn celcured cypress</u>				
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		
	<u>The following sawn celcured cypress timber trusses, nailed connections, spanning 2500 to 3000mm wide, hoisting 3.0m above ground</u>				
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		
	<u>RAINWATER DISPOSAL</u>				
	<u>26g Galvanised mild steel sheeting; all welds ground smooth</u>				
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				

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Painting and Decorations</u> <u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u> General surfaces of fascia board; over 100 but not exceeding 300mm girth	15	Lm		
	Carried to Collection				
	<u>ROOFING</u> <u>COLLECTION</u> Brought Forward from page:	Page: EW/82 EW/83		Above	Amount: - -
	TOTAL FOR ROOF CONSTRUCTION CARRIED TO SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 5</u>				
	<u>DOORS</u>				
	<u>Purpose Made Units - Steel Casement Doors</u>				
	<u>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</u>				
A	Steel glazed mild steel door size 900 x 2400mm in small panes, fabricated from 50 x 25 x 3 mm RHS frame overall surround 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.		
	<u>Wrot mahogany framed frames and framings</u>				
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		
	<u>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</u>				
F	Single leaf door size 900 x 2100 mm high	1	No.		
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To softwood, hardwood or the like fixing with screws</i>				
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.		
	<i>To concrete or blockwork; fixing with bolts; plugging</i>				
N	Rubber door stop complete with 38 mm rawl bolt	6	No.		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Painting and Decorations</u> <u>Aluminium primer or other equal and approved wood primer before fixing: -</u> Backs of frame, board, etc over 100mm but not exceeding 200mm girth	6	Lm		
B	<u>Knot, prime and stop; prepare and apply one coat stain and two coats of clear varnish</u> General surfaces of timber doors	5	Sm		
C	Frames over 100mm but not exceeding girth	6	Lm		
D	<u>Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -</u> General steel door surfaces (Both sides Measured)	21	Sm		
E	<u>Glazing</u> 5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	5	Sm		
Carried to Collection					
<u>DOORS</u> <u>COLLECTION</u> Brought Forward from page:		Page: EW/84 EW/85		Above	Amount: - -
					-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 6</u> <u>WINDOWS</u> <u>METAL WORK</u> <u>PURPOSE - MADE UNITS</u> <u>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.</u> <i>Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws; plugging</i>				
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.		
B	<u>Glazing</u> 5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	4	Sm		
C	<u>Painting and Decorations</u> <u>On Metal work</u> <u>Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -</u> General window surfaces (Both sides Measured)	8	Sm		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>Internal Finishes</u>				
	<u>Wall finishes</u>				
	<u>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</u>				
A	Walls	41	Sm		
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint as "Crown" to the following surfaces</u>				
B	Plastered walls; internal	41	Sm		
	<u>Floor finishes</u>				
	<u>Insitu Finishings</u>				
	<u>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</u>				
C	Floors	12	Sm		
D	Skirting; 100mm wide; rounded junction with wall finish and straight junction with floor finish.	16	Lm		
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
E	20mm thick one coat backings; wood floated to receive ceramic floor tiles(m/s).	12	Sm		
	<u>Ceiling Finishes</u>				
	<u>Chip board</u>				
F	9mm thick patterned chip-board ceiling board nailed to timber branderling (m/s); nails punched and puttied.	12	Sm		
	<u>Approved sawn softwood; second grade; pressure impregnated.</u>				
G	50 x 50mm branderling.	48	Lm		
	<u>Wrot cypress</u>				
H	75 x 25mm moulded cornice	18	Lm		
	<u>Prepare and apply one undercoat and three coats of first quality silk vinyl paint as "Crown" to the following surfaces</u>				
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
	<u>External Finishes</u>				
	<u>Wall finishes</u>				
	<u>Render; 15mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -</u>				
A	Beams	15	Sm		
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
B	Beams	15	Sm		
	<u>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</u>				
C	Extra over stone walling for medium chisel dressing one face	29	Sm		
	<u>Aprons around the Building</u>				
	<u>Excavations</u>				
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		
	<u>Imported hardcore</u>				
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		
	<u>Murram blinding</u>				
G	50mm Murram blinding to surface of hardcore	8	Sm		
	<u>Paving Slabs</u>				
H	600mm x 600mm x 50mm thick precast concrete (1:2:4 class 20/15mm) paving slabs with minimum crushing strength of 20N/mm ² 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				
	<u>FINISHES</u>				
	<u>COLLECTION</u>				
	Brought Forward from page:	<u>Page:</u>			<u>Amount:</u>
		EW/87			-
		EW/88		Above	-
	TOTAL FOR FINISHES CARRIED TO SUMMARY				-

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY - GATE HOUSE</u>		<u>From Page:</u>			<u>Amount:</u>
1	SUBSTRUCTURE (ALL PROVISIONAL)	EW/79			
2	FRAME	EW/80			
3	WALLING	EW/81			
4	ROOF CONSTRUCTION.	EW/83			
5	DOORS	EW/85			
6	WINDOWS	EW/86			
7	FINISHES	EW/88			
TOTAL FOR GATE HOUSE CARRIED TO GRAND SUMMARY				KSHS.	-

Item	Description	Quantity	Unit	Rate	Amount
	<u>3. GATE AND FENCING</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURE WORKS</u>				
	<u>Excavations</u>				
A	Excavate for column pit, commencing from ground level depth not exceeding 1.5m deep:	14	Cm		
	Ditto but over 1.5m but not exceeding 3.0m deep.	9	Cm		
	<u>Disposal of excavated materials</u>				
B	Remove excavated material: remove and deposit spread on site	22	Cm		
C	Return, fill and ram selected excavated material around foundations	1	Cm		
	<u>Disposal of water</u>				
D	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	<u>Planking and strutting</u>				
E	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
	<u>Insitu concrete: class 10/25mm</u>				
F	50mm Blinding layer: under column foundations	9	Sm		
	<u>Insitu concrete: class 20/20mm: vibrated : reinforced</u>				
G	Columns	5	Cm		
H	Column bases	2	Cm		
J	Ground Beams	1	Cm		
	<u>Mild steel bar reinforcement to BS 4449 (Provisional)</u>				
K	Assorted Bars 8-12mm	842	Kg		
	<u>Sawn formwork : to</u>				
L	Vertical side: column foundations	10	Sm		
M	Vertical sides of columns	14	Sm		
M	Sides of ground beams	7	Sm		
	Carried to Summary				

PROPOSED CONSTRUCTION OF AN MCH

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PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 03				
	<u>ROOFING</u>				
	<u>Roof Covering</u>				
	<u>28 Gauge Resincot roofing sheet laid to gable roof with side and end laps as per Architects instructions fixed to purlins (measured nett- allow for laps)using G.I hook bolts and approved Sela washers.</u>				
A	Coverings to gable roof 15 degrees pitch: nailed every third course	12	Sm		
	<u>Supply and fix Sheet metal ridge/hip capping: 30 gauge galvanised mild steel</u>				
B	28G x 380mm	2	Lm		
	<u>Sheet metal flashing : 24 gauge galvanised mild steel</u>				
C	28G x 150 x 125mm box gutter	3	Lm		
	<u>Mild Steel Roof Construction</u>				
	<u>The following steel lattice trusses (2 No.) spanning 7000mm x 500mm high raised to average height of 4000mm above the ground level including all the necessary stiffener plates and accessories.</u>				
E	75 x 75 x 3mm SHS trusses in lattices and girders weighing 6.78Kg/m welded to including steel cleats.	132	Kg		
F	40 x 40x 3mm SHS struts and ties in lattices and girders weighing 3.48Kg/m welded to the tie beams and struts.	121	Kg		
G	75 x 75 x 3mm SHS kingposts weighing 6.78Kg/m to detail.	16	Kg		
H	75 x 75 x 3mm SHS horizontal tie beams weighing 6.78Kg/m welded to including steel cleats.	58	Kg		
	<u>General Construction</u>				
J	50 x 50 x 3mm thick angle purlins weighing 3.7Kg/m to detail.	62	Kg		
K	50 x 50 x 3mm thick angle iron wind bracings weighing 3.7Kg/m	113	Kg		
L	12mm diameter ms anti sag rods	9	Kg		
M	150 x 150 x 6mm thick plate drilled No.4 times for 16mm diameter bolts (m.s) welded to trusses	8	No.		
N	10mm grade 4.6 bolts with head nuts and washers	32	No.		
	<u>Labours</u>				
P	Drill 10mm thick steel plate for 10mm diameter bolts	32	No.		
	<u>Plain sheet gable infill</u>				
Q	300mm Fascia board welded at the rear elevation to detail.	8	Sm		
	<u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>				
R	100mm Diameter rainwater downpipe: piping to elevated tank	10	Lm		
S	Extra-over for stopped end	4	No.		
T	Extra-over for 100mm diameter rainwater outlet	2	No.		
U	E.O Downpipe for 100mm Diameter "Fulbora" roof outlet: with dome grating : joint to pipe	2	No.		
V	Extra-over for bend	2	No.		
	Carried to Summary				

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 03				
	Gates				
A	Purpose made mild steel gate overall size 3800 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 surround 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	2	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.	486	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 surround with and including all the necessary excavations and bencing of chainlink at the bottom.	486	Lm		
	Signage/Branding				
F	Supply and installation of illuminated a 3D facility signage bearing and a signpost including all the necessary accessories all to Project Manager's satisfaction.		Sum		
	Carried to Summary				

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY - GATE AND FENCING</u>		<u>Page No.</u>			
A	SUBSTRUCTURE WORKS	EW/90			
B	REINFORCED CONCRETE FRAME	EW/91			
C	ROOFING	EW/92			
D	GATES	EW/93			
Total For Construction of a Gate and Fencing Carried to Summary				KSHS.	-

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	4. DRIVEWAY AND PARKINGS				
	<u>Demolitions</u>				
	<u>Excavations</u>				
A	Excavate spoil heaps and top soils on site 450mm average depth to formation levels and dispose off the arising debris from site.	68	Cm		
B	Load and cart away excess excavated materials as directed on site.	68	Cm		
	<u>Disposal of water</u>				
C	Keep excavations free from all water by baling, pumping or otherwise.	1	Item		
	<u>Planking and Strutting</u>				
D	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
	<u>Preparation of surfaces</u>				
E	Trim the sides; roll, level and compact subgrade formation level to atleast 95% MDD (AASHTO T99) including grading to falls and crossfalls.	152	Sm		
	<u>Hardcore filling laid to falls</u>				
F	450mm thick (overall) approved quarry stone hardcore filling: deposit, spread, level and compact in layers not exceeding 150mm thick: to receive murrum blinding: to Engineer's satisfaction.	68	Cm		
	<u>Quarry dust blinding to surfaces of hardcore</u>				
G	Provide, place, spread and compact 50mm thick quarry dust blinding to atleast 95% MDD.	152	Sm		
	<u>Chemical treatment</u>				
H	Termidol 96 SC or other equal and approved Chemical anti-termite treatment to top surfaces of compacted and levelled murrum executed by Rontokil Ltd or other approved under a Ten Year gurantee	152	Sm		
	<u>Paving Blocks</u>				
	<u>80mm Medium duty paving blocks : 'Bamburi Block' from Bamburi Concrete Products or equal and approved : load bearing 45N/mm2 : laid in herringbone pattern : on sand bed (measured separately) : on</u>				
J	Parking space laid to falls and cross falls	152	Sm		
	<u>Sand filling</u>				
K	Sand dust on top of Cabro to conceal the joints.	152	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH

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PROPOSED CONSTRUCTION OF AN MCH

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PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	<u>SECTIONAL SUMMARY - PARKINGS, DRIVEWAYS AND ENTRANCE CULVERT</u>	<u>Pg No.</u>			<u>Amount:</u>
1	CABRO WORKS	EW/96			-
2	STORMWATER DRAINAGE	EW/97			-
Total For Parkings, Driveways and Entrance Culvert Carried to Summary				Kshs.	-

Item	Description	Quantity	Unit	Rate	Amount
	<u>6. WALKWAY</u>				
	<u>ELEMENT NO. 1 - SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	<u>The following in 3000mm wide walkway</u>				
	<u>Site Preparation</u>				
A	Clear site of all debris, rubbish, stones, and rubble and cart away from site.	150	Sm		
	<u>Excavations</u>				
B	Excavate 300mm deep to formation levels including final trimming and levelling: commencing from stripped levels; not exceeding 1.5 meters deep	150	Sm		
	<u>Disposal of excavated materials</u>				
C	Remove and dispose off the site as directed.	30	Cm		
	<u>Disposal of water</u>				
D	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
	<u>Planking and strutting</u>				
E	Planking and strutting to sides of all excavations : keep excavation free from all fallen materials	1	Item		
	<u>Imported Hardcore Filling</u>				
F	Approved quarry stone hardcore filling ; 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding.	150	Sm		
	<u>Quarry Dust filling</u>				
G	50mm crusher run blinding to surface of hardcore	150	Sm		
	<u>Anti-Termite treatment</u>				
H	Chemical anti-termite treatment to subsoil or filling: Dragnet 30% EC or equal and approved : provide ten year guarantee	150	Sm		
	<u>Insitu concrete : mix 1:3:6 (20mm aggregate)</u>				
J	150mm thick Base slab	150	Sm		
	<u>Mesh fabric reinforcement reference A142 to BS 4483 : 200mm laps</u>				
K	In beds	150	Sm		
	<u>Sawn formwork : to</u>				
L	Edges of base slab over 75 but not exceeding 150mm girth.	26	Lm		
	<u>Storm water drain along the walkway</u>				
M	300mm Diameter half round open channel precast concrete (1:2:4 to 12mm gauge) invert block drain to B.S 340 size 450mm wide x 250mm high bedded, jointed and pointed in cement and sand (1:4) mortar on and including 100mm thick concrete (1:3:6 to 40mm gauge) bed to detail.	26	Lm		
N	Provide, lay and joint 230mm diameter ogee precast concrete pipes underneath the walkway slab as per detail.	12	Lm		
	Carried to Collection				

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Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 03. ROOFING</u>				
	<u>Roof Covering</u>				
	<u>28 Gauge; prepainted corrugated galvanised steel sheet roofing; fix using galvanised self tapping bolts with rubber caps on steel members as directed</u>				
A	Coverings to 10 degrees lean-to roof: nailed every third course	168	Sm		
	<u>26 Gauge Galvanised mild steel sheeting; all welds ground smooth</u>				
B	150 x 150mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	53	Lm		
C	Extra for stopped end	2	No.		
D	Extra for 100mm diameter rainwater outlet	5	No.		
	<u>Wrot cypress ; 1st grade ; selected and kept clean</u>				
E	25 x 250mm Fascia or barge board	106	Lm		
	<u>Rainwater Disposal (provisional)</u>				
	<u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>				
F	100mm Diameter rainwater pipe	15	Lm		
G	Extra for bend	5	No.		
H	Extra for swanneck : 600mm projection	5	No.		
J	Extra for rainwater shoe	5	No.		
	<u>Prepare and knot coated surfaces : prime and apply two undercoats and one finishing coat gloss paint : on wood</u>				
K	Fascia: over 200 but not exceeding 300mm girth	106	Lm		
	<u>Mild Steel Construction</u>				
	<u>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:-</u>				
L	50 x 50 x 3mm thick angle iron purlins weighing 2.3Kg/m	334	Kg		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 04 - FINISHES</u>				
	<u>15mm thick Cement/sand (1:4) wood float finish screed incorporating SIKa hardener or other equal and approved in:-</u>				
A	Floors	150	Sm		
	<u>20mm thick polished in-situ placed terrazzo pavings finished with approved marble chips of an approved colour comprising including 3 x 25mm deep plastic dividing strip set to terrazzo pavings.</u>				
B	Floors	150	Sm		
	<u>Paintworks</u>				
	<u>Prepare and apply one undercoat and two finishing coats of gloss oil paint to general surfaces of:-</u>				
C	General surfaces steel members (both sides measured)	54	Sm		
	Carried to Summary				
	<u>SECTIONAL SUMMARY - WALKWAYS</u>				
1	SUBSTRUCTURE WORKS	<u>Page No.</u> EW/98			
2	STRUCTURAL STEEL WORKS	EW/99			
3	ROOFING	EW/100			
4	FINISHES	EW/101			
	Total For Walkway Carried to Summary				-

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	7. BURNING CHAMBER				
	ELEMENT NO 1: SUBSTRUCTURE				
	(ALL PROVISIONAL)				
A	Clear site of shrubs, undergrowth small trees etc and burn on site or cart away arisings	26	Sm		
B	Excavate oversite to remove vegetable soil average 150mm deep, load and cart away	26	Sm		
C	450mm thick hardcore filling well watered and consolidated in layers not exceeding 150mm thick to Engineers aproval	10	Cm		
D	Level and blind surface of hardcore with approved murram, sand or quarry dust 50mm thick, water and roll as described to receive concrete	26	Sm		
E	Chemical anti-termite treatment executed complete by an approved specialist under a 10 year Minimum guarantee period to surfaces of hardcore fill	26	Sm		
F	500 gauge polythene damp proof membrane laid on blinded hardcore (m.s)	26	Sm		
	<u>Insitu vibrated reinforced concrete (1:2:4) class 20 in:-</u>				
G	200mm thick bed	26	Sm		
H	100mm thick to burning chamber	2	Sm		
J	100mm thick to top slab	2	Sm		
	<u>Mesh reinforcement to BS 4483</u>				
K	Ref A142 fabric mesh in surface bed (m.s) as described	26	Sm		
	<u>Sawn formwork to:-</u>				
L	Edge of bed 75-200mm wide, Columns and Beams	21	Lm		
	<u>Insitu plain concrete (1:4:8) in</u>				
M	50mm thick blinding under foundations	8	Sm		
	<u>Insitu vibrated reinforced concrete class 20 as described in:-</u>				
N	200mm thick strip foundations	1	Cm		
	<u>Steel reinforcement as described in:-</u>				
	<u>High yield square twisted reinforcement bars to BS 4461</u>				
P	12mm diameter Bars	100	Kg		
Q	10mm diameter Bars	37	Kg		
R	8mm diameter Bars	51	Kg		
	<u>Natural stone walling bedded and jointed in cement sand (1:4) mortar</u>				
S	200mm thick walling reinforced as described	15	Sm		
T	No. 20 gauge hoop iron ties 25mm wide and 450mm long, bent and tacked into mortar joint for walling	8	Kg		
	<u>Plinths</u>				
V	12mm thick cement sand (1:4) rendering to stone wall externally 500mm high	11	Sm		
W	Prepare and apply three coats bituminous paint to rendered walls externally	11	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO 2: WALLING AND FRAME				
	EXTERNAL & INTERNAL WALLS				
	<u>Machine Cut Stone Blocks walling bedded and jointed in cement source, bedded and jointed with cement sand (1:4) mortar and reinforced with hoop iron every alternate course</u>				
A	200mm thick walling	22	Sm		
B	Dwarf Wall	7	Sm		
	Ditto but Facing bricks; 230 × 75 × 50mm; in cement mortar (1:4) hearth and walling	25	Sm		
	<u>Damp proof course</u>				
	<u>Mastic asphalt or equal and approved laid on cement sand (1:4) bed</u>				
C	200mm wide	25	Lm		
	CHIMNEY				
D	Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:3) mortar				
E	Lintel; 300 mm wide x 500mm extreme deep x 4700mm long; arched; reinforced with 12mm diameter mild steel bars at 1500mm centers in both directions and 6mm diameter stirrups; bedding in cement mortar (1:4)	1	No.		
	<u>Chisel dressed natural stone; in cement mortar (1:4); walls</u>				
F	Cube work; chimney stacks	1	Cm		
G	Cube work; bedding, jointing and pointing one side in cement mortar (1:4) as work proceeds	1	Cm		
	chimney stack				
H	Extra; forming flue; parging and coring in cement mortar (1:3); 200 by 200mm	7	Lm		
K	800mm × 800mm × 50mm thick precast concrete chimney cap	1	No.		
	<u>DOORS</u>				
J	600 x 600 mm purpose made steel door complete with all iron mongery and painted for loading refuse	1	No.		
L	450 x 450 mm purpose made steel door complete with all iron mongery and painted for loading refuse	1	No.		
	Carried to Summary				

PROPOSED CONSTRUCTION OF AN MCH

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PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	2. ASH PIT				
	The following in Ash Pit				
	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.	14	Sm		
	Excavations				
B	Bulk excavation for pit in red soils starting from ground level, not exceeding 1500 mm deep.	11	Cm		
C	Ditto; over 1500mm deep but n.e 3000mm but in rock of all classes	11	Cm		
	Disposal of excavated materials				
F	Backfill selected excavated material round sides of walling.	1	Cm		
G	Remove surplus excavated from material from site .	21	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		
	Concrete works				
	Plain concrete mix (1:4:8-38mm aggregate) as described in.				
L	Blinding to strip footing	3	Sm		
	Reinforced concrete class 20/20; vibrated and reinforced as described in:-				
M	Strip footing	2	Cm		
N	150mm thick slab	4	Sm		
	Deformed reinforcement bars to BS 4449; including tying wires, spacer blocks and bends to detail.				
P	8mm	43	Kg		
Q	12mm	146	Kg		
	Sawn cypress timber Formwork as described to:-				
R	Formwork left in to the soffits of suspended slab.	4	Sm		
S	Vertical sides of strip footing.	3	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF AN MCH

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PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
	<u>COLLECTION</u>				
1	BURNING CHAMBER	EW/104			-
4	ASH PIT	EW/106			-
TOTAL FOR ASH PIT AND BURNING CHAMBER CARRIED TO SUMMARY				Kshs.	

PROPOSED CONSTRUCTION OF AN MCH

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY - EXTERNAL WORKS</u>		<u>Page No.</u>			
A	SEPTIC TANK, SOAK PIT AND FOUL DRAINAGE	EW/78			
B	GATE HOUSE	EW/89			
C	GATE AND FENCING	EW/94			
D	PARKINGS AND PAVINGS	EW/98			
E	WALKWAYS	EW/101			
F	BURNING CHAMBER AND ASH PIT	EW/107			
Total For External Works Carried to Summary				Kshs.	

PROPOSED CONSTRUCTION OF AN MCH.

Item	Description	Unit	Amount
	<u>BILL NO. 03</u>		
	<u>PRIME COSTS AND PROVISIONAL SUMS</u>		
	<u>PROVISIONAL SUMS</u>		
	<u>Electrical works</u>		
A	Allow a Provisional Sum of Kenya Shillings Four Million Only (Kshs. 4,000,000.00) for provision of electrical fittings, installations, wiring and preparation and submission of two copies of "As-Built Drawings".	Sum	4,000,000.00
	<u>Mechanical Installations</u>		
B	Allow a Provisional Sum of Kenya Shillings Two Million Only (Kshs. 2,000,000.00) for provision, installation and commissioning of water supply and internal drainage system, fire fighting equipment and preparation and submission of two copies of "As-Built Drawings".	Sum	2,000,000.00
TOTAL FOR PROVISION AND PC SUMS CARRIED TO SUMMARY			6,000,000.00

COUNTY GOVERNMENT OF KERICHO					
DEPARTMENT OF HEALTH SERVICES					
PROPOSED CONSTRUCTION OF AN MCH, KITCHEN, STAFF HOUSE, RENOVATION OF EXISTING OPD AND ASSOCIATED EXTERNAL WORKS AT KUNYAK HEALTH CENTRE, KUNYAK WARD.					
GRAND SUMMARY					
BILL NO.	DESCRIPTION				AMOUNT
		<u>From Page</u>			
1	Preliminaries and Project Provisions.	SS1/20			
2	Main Building	MB/37			
3	Existing Building	EB/42			
4	Staff House	SH/57			
5	Kitchen	KN/73			
6	External Works	EW/108			
7	Prime Costs & Provisional Sums	PC/109			6,000,000.00
	Sub-Total			Kshs.	
8	Allow 7.5% For Contingency Sums				
	TOTAL CARRIED TO FORM OF TENDER (Amount inclusive of 16% VAT & Withholding Tax)		Kshs.		
	AMOUNT IN WORDS (Amount inclusive of 16% VAT and Withholding Tax) a Contractor's Official Rubber Stamp Name of Witness Contractor's Signature Address Of Witness Date: Date: 				