

CONFIDENTIAL

TENDER NO:



COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF HEALTH SERVICES

TENDER DOCUMENT

BILLS OF QUANTITIES

FOR

**PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE
CENTRE AT KERICHO COUNTY REFERRAL HOSPITAL.**

BUILDING AND CIVIL WORKS

AT

AINAMOI SUB-COUNTY.

Prepared By:

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

Issued By:

DECEMBER 2023

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>PRELIMINARY INVESTIGATION OF THE SITE AND EXAMINATION OF DRAWINGS</u></p> <p>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.</p> <p>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.</p> <p>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.</p>	
B	<p><u>SETTING OUT</u></p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
C	<p><u>BID SECURITY</u></p> <p>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.</p>	
D	<p><u>PERFORMANCE BOND.</u></p> <p>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.</p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>INSURANCE</u></p> <p>The Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the Project Manager either by production of an Insurance Policy or 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.</p>	
B	<p><u>PLANT, TOOLS AND VEHICLES</u></p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p> <p>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.</p>	
C	<p><u>TRANSPORT TO AND FROM THE SITE</u></p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>	
D	<p><u>MATERIALS AND WORKMANSHIP.</u></p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also ensure they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p> <p>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.</p> <p>Any Materials for the work condemned by the Project Manager shall be removed immediately from the site at the Contractor's expense.</p>	
E	<p><u>SIGN FOR MATERIALS SUPPLIED.</u></p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the Project Manager at the time of taking 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.</p>	
F	<p><u>MATERIALS ON SITE</u></p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>STORAGE OF MATERIALS</u></p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the Project Manager. Nominated Subcontractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	
B	<p><u>SAMPLES AND TESTING OF MATERIALS</u></p> <p>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.</p> <p>Such samples when approved shall be deemed to represent the minimum standard for the work to which they apply.</p> <p>The Project Manager shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the Project Manager. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads, Housing and Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the Project Manager The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	
C	<p><u>PROGRESS CHART.</u></p> <p>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.</p> <p>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.</p> <p>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.</p>	
D	<p><u>HOARDING</u></p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><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.</p>	
B	<p><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.</p>	
C	<p><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.</p>	
D	<p><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.</p>	
E	<p><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.</p> <p>All water shall be fresh, clean and pure, free of earthy, vegetable or organic matter, acid or alkaline substance in solution or suspension.</p> <p>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.</p>	
F	<p><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.</p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>SECURITY OF THE WORKS</u></p> <p>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.</p> <p>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.</p>	
B	<p><u>SANITATION OF THE WORKS</u></p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the Project Manager.</p>	
C	<p><u>SUPERVISION AND WORKING HOURS</u></p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the Project Manager who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>	
D	<p><u>CONTRACTOR'S SUPERINTENDENT/SITE AGENT</u></p> <p>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.</p>	
E	<p><u>PROVISIONAL WORK</u></p> <p>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.</p>	
F	<p><u>PROVISIONAL SUMS.</u></p> <p>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.</p>	
G	<p><u>ADJUSTMENT OF PROVISIONAL SUMS.</u></p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the Project Manager's order added to the Contract Sum. Such work shall be valued as described for Variations, but should any part of the work be executed by a Nominated Sub-contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a Prime Cost Sum, and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>PRIME COST (OR P.C.) SUMS.</u></p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item 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.</p>	
B	<p><u>ADJUSTMENT OF PRIME COST SUMS.</u></p> <p>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.</p> <p>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.</p>	
C	<p><u>NOMINATED SUB-CONTRACTORS</u></p> <p>When any work is ordered by the Project Manager to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
D	<p><u>DIRECT CONTRACTS</u></p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a 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.</p>	
E	<p><u>ATTENDANCE UPON OTHER TRADESMEN, ETC.</u></p> <p>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.</p>	
F	<p><u>NOMINATED SUPPLIERS</u></p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>FIXING ONLY</u></p> <p>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.</p> <p>Fixing only items to be supplied under Provisional or Prime Cost Sums or items to be supplied by the Government shall include the above.</p>	
B	<p><u>BLASTING OPERATIONS</u></p> <p>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.</p>	
C	<p><u>MATERIALS ARISING FROM EXCAVATIONS</u></p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the Project Manager directs otherwise, such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Project Manager. Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	
D	<p><u>PROTECTION OF THE WORKS.</u></p> <p>Provide protection of the whole of the works contained in the Bills of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the Project Manager and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p> <p>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.</p>	
E	<p><u>REMOVAL OF RUBBISH ETC.</u></p> <p>Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>	
F	<p><u>WORKS TO BE DELIVERED UP CLEAN</u></p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.</u></p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p>	
B	<p><u>TRAINING LEVY</u></p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value. His tender must include for all costs arising or resulting therefrom.</p>	
C	<p><u>STANDARD LEVY</u></p> <p>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.</p>	
D	<p><u>THE NCA REGULATIONS</u></p> <p>e Contractor's attention is drawn to The National Construction Authority Regulations Legal Notice No. 74 dated 6th June 2014. The Contractor must ensure that the project, his workers and site supervisors are registered and accredited under the NCA regulations.</p>	
E	<p><u>NEMA REQUIREMENTS</u></p> <p>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.</p>	
F	<p><u>COVID-19 REGULATIONS COMPLIANCE</u></p> <p>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.</p>	
G	<p><u>FIRM PRICE CONTRACT</u></p> <p>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.</p>	
H	<p><u>VALUE ADDED TAX</u></p> <p>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993, 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.</p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

Item	Description	Amount (Kshs.)
A	<p><u>OCCUPATION CERTIFICATE</u></p> <p>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.</p>	
B	<p><u>STAMP CHARGES</u></p> <p>The Contractor shall allow for the payment of all stamp charges in connection with the Surety Bond and the Contract Agreement.</p>	
C	<p><u>GROUND INVESTIGATIONS</u></p> <p>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.</p> <p>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.</p>	
D	<p><u>WARRANTY, GUARANTEES & MAINTENANCE MANUALS</u></p> <p>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.</p>	
E	<p><u>AS-BUILT DRAWINGS & DOCUMENTATIONS</u></p> <p>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.</p>	
F	<p><u>GENERAL SPECIFICATION</u></p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads, Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
G	<p><u>COPYRIGHT, DETAILS TO BE PRIVATE AND CONFIDENTIAL</u></p> <p>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.</p> <p>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.</p>	
	Carried to Collection	-

GENERAL PRELIMINARIES

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

Item	Description	Amount
	<p><u>BILL NO. 01</u> <u>GENERAL AND PARTICULAR PRELIMINARIES</u> <u>PARTICULAR PRELIMINARIES</u></p> <p><u>PARTIES</u></p> <p>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.</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous.</p> <p>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.</p> <p>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 Roads, Transport and Public Works, P.O BOX 112-20200, KERICHO.</p> <p>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 Roads, Transport and Public Works, P.O BOX 112-20200, KERICHO.</p> <p>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 Roads, Transport and Public Works, P.O BOX 112-20200, KERICHO.</p> <p>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 Roads, Transport and Public Works, P.O BOX 112-20200, KERICHO.</p> <p>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 Roads, Transport and Public Works, P.O BOX 112-20200, KERICHO.</p> <p>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 Roads, Transport and Public Works, P.O BOX 112-20200, KERICHO.</p> <p>J <u>LOCATION OF THE SITE</u> The site for works is located within Kericho County Referral Hospital, Kipchebor Ward, Ainamoi 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.</p>	
	Carried to Collection	-

Item	Description	Amount						
A	<p><u>SCOPE OF THE CONTRACT</u></p> <p>The works to be carried out under this contract comprises of construction of a 4-Storey Building comprising of Ground Floor (Pharmacy, stores, Consultation Rooms, X- Ray Room, Laboratory, Stores, WCs and Offices), 1st Floor (Pharmacy, Chemotherapy wing, Isolation and Peadiatric wards, WCs and Changing rooms) with Sunning Balconies, 2nd Floor (Theatres, Recovery Room, Male and Female Surgical Wards, Private and Semi Private Wards, Stores Sluice Rooms and WCs), 3rd Floor (Male and Female Wards,Burn Unit, Staff Lounge, WCs, Changing and Sluice Rooms with Sunning Balconies, 4th Floor (Offices, Classrooms, Conference and Board Rooms and WCs) with a Terraced Garden/Green Roof and a Flat Roof.</p> <p>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.</p> <p>External Works shall comprise of pavings and parkings, sewer drainage, landscping etc.</p>							
B	<p><u>DESCRIPTION OF THE WORKS</u></p> <p>The works are on a gently sloping site.</p> <p>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.</p> <p>The Existing Sewer and Power lines shall be rerouted as directed.</p> <p>This being a specialized Department, works shall include installation of infrastructure for medical equipment and facilities.</p>							
C	<p><u>FLOOR AREA</u></p> <p>The Plinth area is given without warranty and is for guidance only.</p> <table data-bbox="180 1020 779 1115"> <tr> <td>Ground, 1st, 2nd, 3rd and Fourth Floors</td> <td>7380 SM</td> </tr> <tr> <td>Terraced Gardens, Roofs and Balconies</td> <td>1300 SM</td> </tr> <tr> <td>Ramps</td> <td>247 SM</td> </tr> </table>	Ground, 1st, 2nd, 3rd and Fourth Floors	7380 SM	Terraced Gardens, Roofs and Balconies	1300 SM	Ramps	247 SM	
Ground, 1st, 2nd, 3rd and Fourth Floors	7380 SM							
Terraced Gardens, Roofs and Balconies	1300 SM							
Ramps	247 SM							
D	<p><u>MEASUREMENTS</u></p> <p>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).</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the Project Manager in accordance with the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with the said Conditions.</p>							
E	<p><u>GENERAL SPECIFICATION</u></p> <p>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.</p>							
F	<p><u>TENDER DOCUMENTS</u></p> <p>Tender documents are as listed in the Instruction to Tenderers.</p>							
G	<p><u>PRICING RATES</u></p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>							
	Carried to Collection	-						

Item	Description	Amount
A	<p><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></p>	
B	<p><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.</p> <p>Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.</p>	
C	<p><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.</p>	
D	<p><u>CONTRACT PERIOD</u> The contract period in accordance with of the conditions of contract must be adhered to.</p> <p>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.</p>	
E	<p><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.</p> <p>The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p>	
F	<p><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.</p>	
G	<p><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.</p>	
H	<p><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. The Contractor Shall re-route the existing sewerline as directed.</p>	
	Carried to Collection	-

Item	Description	Amount
A	<p><u>DEMOLITIONS AND ALTERATIONS</u></p> <p>The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager.</p> <p>The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described. 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.</p>	
B	<p><u>MATERIALS FROM DEMOLITIONS</u></p> <p>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.</p>	
C	<p><u>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</u></p> <p>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.</p>	
D	<p><u>CLEARING AWAY</u></p> <p>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.</p>	
E	<p><u>WORKING CONDITIONS</u></p> <p>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.</p>	
F	<p><u>PAYMENTS</u></p> <p>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.</p>	
G	<p><u>PAYMENT FOR MATERIALS ON SITE</u></p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>	
	Carried to Collection	

Item	Description	Amount
A	<p><u>CLAIMS</u></p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the Project Manager within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>	
B	<p><u>FORM OF CONTRACT</u></p> <p>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.</p>	
Carried to Collection		

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

PROJECT PROVISIONS

Item	Description	Amount
	<p>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></p> <p><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></p> <p><i>The Project Manager reserves the right to instruct alternative uses of these funds.</i></p>	
A	<p><u>Project Implementation Team Supervision</u> Allow a Provisional Sum of Kenya Shillings Two Million Five Hundred Thousand only (Kshs. 2,500,000) for project management allowance at the government rate for the design team members and project implementation teams for the duration of the contract.</p> <p>Allow for the Contractor's Profit on the above @</p>	2,500,000.00
B	<p><u>Project Manager's Site Office, Furniture and Equipment</u> Allow a Provisional Cost Sum of Kenya Shillings Four Hundred Thousand Only (Kshs. 400,000) for establishment and maintenance of the Project Manager's office, including the Project Manager's miscellaneous account for the due performance of the office, to be reimbursed against receipts.</p> <p>Allow for the Contractor's Profit on the above @</p>	400,000.00
	<p>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. (2No. Laptops - Makes to be advised by the Project Manager)</p> <p>Allow for the Contractor's Profit on the above @</p>	700,000.00
C	<p><u>Services for the Project Manager's Staff and Office</u> Allow a Provisional Sum of Kenya Shillings Two Hundred Thousand only (Kshs. 200,000) for the production and periodic review of construction drawings, BQs, models and other construction documentation for the duration of the project, including supply of stationery and model-making material.</p> <p>Allow for the Contractor's Profit on the above @</p>	200,000.00
	<p>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.</p> <p>Allow for the Contractor's Profit on the above @</p>	150,000.00
D	<p><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.</p> <p>Allow for the Contractor's Profit on the above @</p>	100,000.00
	TOTAL FOR PROJECT PROVISIONS CARRIED TO SUMMARY	4,050,000.00

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	4,050,000.00
TOTAL FOR PROJECT PROVISIONS CARRIED TO SUMMARY		

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
<u>BILL NO. 02 : PROPOSED CONSTRUCTION OF COMMUNICABLE DISEASE CENTRE AT KCRH.</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, load wheel and dispose off the arising debris from site.	1365	Sm		
<u>Excavations and earthworks</u>					
B	Excavate (average) 200mm to remove top soil; load, wheel and dispose off the site as directed.	1365	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	572	Cm		
D	Ditto; Over 1.50 but not exceeding 3.0 metres	380	Cm		
E	Excavate for column pits , commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	340	Cm		
F	Ditto; Over 1.50 but not exceeding 3.0 metres	170	Cm		
G	Excavate for elevator pit, commencing from stripped level and not exceeding 1.5m deep; and deposit in spoil heaps	27	Cm		
<u>Backfilling</u>					
H	Return, fill-in and rum selected excavated materials around foundations	407	Cm		
<u>Disposal of excavated materials</u>					
J	Load wheel and dispose off the site the arising materials as directed.	532	Cm		
<u>Disposal of water</u>					
K	Keep excavations free from all water by baling, pumping or otherwise	1	Item		
<u>Planking and strutting</u>					
L	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
<u>Imported hardcore</u>					
M	Approved quarry stone hardcore filling : 250mm thick (overall) : deposit, spread, level and compact in layers not exceeding 125mm thick : to receive blinding	1260	Sm		
<u>Murram blinding</u>					
N	50mm Murram blinding to surface of hardcore	1260	Sm		
<u>Insitu plain concrete: class 15/20mm</u>					
P	50mm Blinding layer : under wall foundations	161	Sm		
Q	Ditto; Column bases	24	Sm		
R	Ditto; elevator shaft base	21	Sm		
Carried to Collection					

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>Labours and sundries</u>				
A	One Layer 1000 gauge polythene sheet damp proof membrane: under bed: 300mm laps	1260	Sm		
B	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	1260	Sm		
	<u>In situ concrete : class 25/20mm: vibrated : reinforced: to</u>				
C	Foundation in trenches	147	Cm		
D	Columns	23	Cm		
E	Column bases	99	Cm		
F	150mm Bed	1260	Sm		
G	250mm thick list shaft base	21	Sm		
H	Lift shaft foundation walls	24	Sm		
	<u>Deformed reinforcement bars to BS 4449 (provisional) including bends, tying wires and spacer blocks.</u>				
G	8mm Diameter bars	3262	Kg		
H	10mm diameter	2176	Kg		
J	12mm diameter	2641	Kg		
K	16mm diameter	7728	Kg		
K	20mm diameter	1258	Kg		
	<u>Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps</u>				
L	In surface bed	1260	Sm		
	<u>Sawn formwork : to</u>				
M	Vertical side: wall foundations	487	Sm		
N	Vertical sides of Column Bases	382	Sm		
P	Vertical sides of columns	240	Sm		
Q	Vertical sides of lift shaft	48	Sm		
R	Vertical edge of bed: over 75 but not exceeding 150mm high	210	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	1785	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>SUBSTRUCTURE WORKS</u>				
	<u>COLLECTION</u>				<u>Amount</u>
	Total Brought Forward from Page No.				
		Page No			
		MB/21			
		MB/22			
	Carried to Summary				-

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	REINFORCED CONCRETE FRAME				
	<u>In situ concrete: class 25/20 mm aggregates : vibrated : reinforced</u>				
A	Beams	245	Cm		
B	Columns	109	Cm		
C	Toe beams - Staircases	8	Cm		
D	Stairs	21	Cm		
E	Lift Shaft	335	Sm		
F	175mm thick; suspended slabs	6120	Sm		
G	Ramp slabs	247	Sm		
H	Waist - Staircases	102	Sm		
J	Landings	42	Sm		
	<u>Deformed reinforcement bars to BS 4449 (provisional) including bends, tying wires and spacer blocks.</u>				
K	8mm diameter	49875	Kg		
L	10mm diameter	54110	Kg		
M	12mm diameter	20451	Kg		
N	16mm diameter	51622	Kg		
P	20mm diameter	34104	Kg		
	<u>Marine board formwork: to</u>				
Q	Sides and soffits: beams	2788	Sm		
R	Vertical sides of columns	1531	Sm		
S	Vertical sides of lift shaft	670	Sm		
P	Soffits of suspended slab	6120	Sm		
Q	Soffits of ramp slabs	247	Sm		
R	Soffits of landings	42	Sm		
S	Sloping soffits of the staitcases	88	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
A	Edges of open raking string to steps 300mm high(extreme), including cutting and fitting to profile of treads and risers.	46	Sm		
B	Edges of suspended slab over 75mm but not exceeding 150mm high.	1130	Lm		
C	Edges of ramp slabs over 150mm but not exceeding 225mm high.	215	Lm		
D	Edges of risers over 75mm but not exceeding 150mm high.	266	Lm		
E	Edges of landings over 75mm but not exceeding 150mm high.	60	Lm		
Carried to Collection					
<u>REINFORCED CONCRETE FRAME</u>					
<u>COLLECTION</u>					<u>Amount</u>
Total Brought Forward from Page No.			<u>Page No</u>		-
			MB/24		-
			MB/25	Above	-
Carried to Summary					

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 04</u>				
	<u>WALLING</u>				
	<u>i. Masonry Walling</u>				
	<u>Machine cut natural stone wall bedded and jointed in cement/sand (1:4) mortar (12mm joints) reinforced with 40mm wide hoop iron every alternate course</u>				
A	400mm thick walling	144	Sm		
B	300mm thick walling	182	Sm		
C	200mm thick walling external and internal walls	4193	Sm		
D	Ditto; Parapet wall/Dwarf Walls	758	Sm		
E	150mm thick walling	252	Sm		
F	100mm thick walling	888	Sm		
	<u>DPC</u>				
G	200mm wide 3 Ply Hessian based bituminous damp proof course as directed.	1862	Lm		
H	Ditto; 100mm wide	511	Lm		
J	Ditto; 150mm wide	63	Lm		
K	Ditto; 300mm wide	31	Lm		
L	Ditto; 400mm wide	43	Lm		
	<u>Coping</u>				
M	50mm thick precast concrete coping twice weathered and throated bedded with cement and sand joint (1:4) mortar. Finished fair on all exposed edges to on parapet walls.	824	Lm		
N	Ditto 300 x 50mm	50	Lm		
P	Ditto; 400 x 50mm thick	42	Lm		
	<u>ii. Lightweight Partitions</u>				
	<u>Gypsum Partitions</u>				
Q	100mm thick composite partition comprising 1-layer plasterboard as Gyproc Rhino board 12.5mm thick both sides, 3.5mm diameter screw fixed to both sides of DONN UltraSteel or equivalent galvanized steel profile guide studs 75 x 45mm friction fitted at centres not exceeding 600mm, 75 x 45mm galvanised steel floor, head tracks, 2No. continuous soundseal beads at junction with structure, 75mm thick glasswool accoustic infill, joints tapped and skimmed to approval (90min fire rating)	1311	Sm		

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 05				
	ROOFING				
	FLAT ROOF FINISHES				
	<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 to roof slab, balconies and gutter slab; laid to falls and cross falls.	1300	Sm		
	<u>Water Proofing</u>				
	<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, balconies and gutter slab	1300	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 and gutter slab; laid to falls and cross falls.	1300	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, balconies and gutter slab	1300	Sm		
	<u>TOUGHENED GLASS PERGOLA - Main Entrance and over the ramp space</u>				
	<u>Steel Members</u>				
	<u>Unframed steel including all necessary cutting, welding, grinding, all drilling for bolts, two coats calcium plumbate primer before fixing as described to BS 4360 in:-</u>				
E	150 x 200 x 3mm RHS beams weighing 16.13kg/m fixed on to reinforced concrete columns/steel columns.	3,042	Kg		
F	Ditto; columns (ramp space)	118	Kg		
G	50 x 75 x 3mm RHS purlins weighing 5.60kg/m welded to steel beams (ms).	887	Kg		
H	300 x 200 x 16mm thick plate drilled 4no. times for 16mm diameter bolts (m.s) welded	16	No.		
J	16mm diameter x 200mm bolts grade 8.8 complete with head nuts and washers	40	No.		
	<u>Labours</u>				
K	Drill 8mm thick steel plate for 18 mm diameter bolt	40	No.		
	<u>Toughened glass covering</u>				
	<u>Supply and install 12mm thick toughened glass covering with and including all the necessary glazing beads, gaskets and spiders bolted to RHS Purlins; to falls to detail.</u>				
L	Lean to roof at the entrance and over the ramp space; 10 degrees.	275	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>Rainwater Disposal (provisional)</u>				
	<u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>				
A	150mm diameter half round gutter: fixed with approved brackets (toughened glass pergola)	46	Lm		
B	Extra-over for 110mm diameter rainwater outlet.	2	No.		
C	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	425	Lm		
D	Extra over for cutting 110mm diameter holes through masonry walls.	18	No.		
E	Extra-over for bend	21	No.		
F	Extra-over for swanneck: 600mm projection	20	No.		
G	Extra-over for rainwater shoe	19	No.		
	Carried to Collection				
	<u>ROOFING</u>				
	<u>COLLECTION</u>	<u>Page No</u>			<u>Amount</u>
	Total Brought Forward from Page No.	MB/27			
		MB/28		Above	
	Carried to Summary				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 06				
	DOORS				
	i. Timber Flush Doors				
	Flush doors ; solid cored : with mahogany veneer both sides : hardwood lipping all edges				
A	Solid core double acting flush door overall size 1700mm x 2900mm high in 2 no equal opennable leafs size 750 x 2400mm high laminated with beech veneer both sides hardwood lipped all round with and including 6mm thick x 100mm x 800mm clear glass viewing panel and 500mm high fanlight complete with 20x40mm glazing beads.	9	No.		
B	Solid core double acting flush door overall size 1600mm x 2900mm high in 2 no equal opennable leafs size 700 x 2400mm high laminated with beech veneer both sides hardwood lipped all round with and including 6mm thick x 100mm x 800mm clear glass viewing panel and 500mm high fanlight complete with 20x40mm glazing beads.	3	No.		
C	Solid core double acting flush door overall size 1200mm x 2900mm high 2 no equal opennable leafs size 500 x 2400mm high laminated with beech veneer both sides hardwood lipped all round with and including 6mm thick x 100mm x 800mm clear glass viewing panel and 500mm high fanlight complete with 20x40mm glazing beads..	1	No.		
D	Solid core single leaf flush door overall size 900 x 2900mm high ; opennable leaf size 800 x 2400mm high laminated with beech veneer both sides hardwood lipped all round; including 100mm x 800mm clear glass viewing panel and fanlight 500mm high complete with 20x40mm glazing beads..	107	No.		
E	Solid core single leaf flush door overall size 900 x 2900mm high; opennable leaf size 800 x 2400mm high laminated with beech veneer both sides hardwood lipped all round; including 3 No. 150mm diameter clear glass viewing panel and fanlight 500mm high complete with 20x40mm glazing beads.	31	No.		
	<u>Wrot Mahogany: selected and kept clean</u>				
F	25mm Quadrant beading	1846	Lm		
H	50 x 25mm wrot prime grade architrave with two labours; plugged	1846	Lm		
G	100 x 50mm Frame : four labours : screwed and pelltated	825	Lm		
H	Ditto; but 150mm x 50mm	98	Lm		
J	Ditto; transomes	146	Lm		
	<u>Glazing</u>				
	<u>6mm thick clear sheet glass and glazing gasket/approved adhesives in</u>				
K	Panes sizes not exceeding 0.1 sm	74	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>ii. Aluminium Doors</u>				
	<u>Sliding glass doors</u>				
A	2020 x 3300mm high double leaf aluminium framed door each leaf comprising 750 x 2100mm high x 8.38mm thick glazing sliding laminated glass panel, complete with and including top and bottom sliding rail, locking devices, automatic sliding doors sensors, all electrical components, accessories, etc. to details (D-01)	1	No.		
B	Ditto but size 2400 x 3300mm high door (D-09)	4	No.		
C	Ditto but size 1605 x 3300mm high door (D-10)	1	No.		
D	Ditto but size 1605 x 2900mm high door (D-10)	2	No.		
E	Ditto but size 1500 x 2900mm high door (D-13)	1	No.		
	<u>Aluminium Casement Doors</u>				
	<u>Powder coated aluminium casement doors in 100 x 50 x 3mm back, top, transome, mullion, 50 x 25mm x 3mm casement frame, stiles, 15 x 10mm glazing beads, mosquito proofed permanent vents at top, fasteners, popup arm (sliding arm) ironmongery and glazing with approved adhesive, rubber gasket, weathering strip, including all necessary fixing to masonry/concrete</u>				
F	Double leaf door overall size 1400 x 2900mm high in two leaves size 600 x 2400mm infilled with 8.38mm thick clear glass (ms) and a 500mm high fanlight (D-03)	1	No.		
G	Ditto but size 1500 x 2900mm high door in two opennable leaves size 650 x 2400mm high (D-05)	9	No.		
H	Ditto but size 1600 x 2900mm high door in two opennable leaves size 700 x 2400mm high (D-14)	1	No.		
J	Ditto but size 1400 x 2350mm high door in two opennable leaves size 600 x 1850mm high (D-16)	1	No.		
K	Double leaf door overall size 1500 x 2300mm high in two leaves size 650 x 2000mm infilled with 8.38mm thick clear glass (ms) and a 300mm high fanlight (D-15)	1	No.		
L	Double leaf door overall size 1500 x 2900mm high in two leaves size 650 x 2600mm infilled with 8.38mm thick clear glass (ms) and a 300mm high fanlight (D-05)	1	No.		
	<u>Glazing</u>				
	<u>6mm thick clear sheet glass and glazing gasket/beads</u>				
M	Panes sizes not exceeding 0.1 sm	66	Sm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>Service duct doors</u>				
A	45 x 800 x 2900mm high equal double leaf duct door comprising 225 x 45mm wrot mahogany top and bottom rails, 2No. 100 x 45mm rebated stiles, 4No. 50 x 50mm bearers infilled with 25mm thick laminated (both sides) HDF hardwood lipped all round, ironmongery including hinges, locks, handles to details	15	No.		
	<u>Special Doors</u>				
	<u>X-RAY room doors as DorteK or equal and approved</u>				
B	900 x 2400mm high double leaf shielding door as DorteK or other equal and approved comprising heavy gauge galvanised steel framing, powder coated sheets on either sides, 3mm thick lead shielding sheet sandwich complete with frame, ironmongery, fully automated with safety sensors, sound proofing, air seal to specialist's details and specifications to specialist's details.	2	No.		
	<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>				
C	100 x 75 x 3mm satin stainless butt hinges with washers ref. HN-403030-SN	207	Prs		
D	95 x 150 x 25mm Double action spring hinges; For double swing doors.	36	Prs		
E	Euro-profile 3 Lever mortice lock	12	No.		
D	2-lever mortice lock	138	No.		
G	Indicator Bolts	15	No.		
H	Cylinder satin steel floor mounted door stops	206	No.		
J	Plastic door Signages	178	No.		
K	Door closer including hold-open devices as per Assa Abloy 7836 (Heavy Duty) an EQUAL and approved.	131	No.		
L	300 x 25mm stainless steel 'PUSH/PULL' plates	52	No.		
M	150mm stainless steel back fix pull handle	52	No.		
N	300mm high stainless steel kickplate	276	No.		
P	Stainless steel hat and coat hook	126	No.		
	Carried to collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>DOORS</u>				
	<u>COLLECTION</u>				<u>Amount</u>
	Total Brought Forward from Page No.				
		Page No			
		MB/29			
		MB/30			
		MB/31			
	Carried to Summary				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 07				
	WINDOWS & ALUMINIUM CURTAIN WALLING				
	Aluminium casement windows				
	<u>Powder coated aluminium casement windows in 100 x 50 x 3mm back, top, transome, mullion, 50 x 25mm x 3mm casement frame, stiles, 15 x 10mm glazing beads, mosquito proofed permanent vents at top, fasteners, popup arm (sliding arm) ironmongery and infilled with tinted glass, rubber gasket, weathering strip, including all necessary fixing to masonry/concrete</u>				
A	Size 300 x 1500mm high fixed light - W1 & W10	48	No.		
B	Size 1500 x 1500mm high opennable window - W2	40	No.		
C	Size 5600 x 1500mm high opennable window - W3	12	No.		
D	Size 1800 x 3300mm high opennable window - W4	6	No.		
E	Size 2000 x 3300mm high opennable window - W5	4	No.		
D	Size 500 x 2300mm high opennable window/fixed light - W6	4	No.		
E	Size 3300 x 900mm high opennable window - W7	6	No.		
F	Size 1600 x 16150mm high opennable window - W8	1	No.		
G	Size 2100 x 16150mm high opennable window - W9	1	No.		
H	Size 3200 x 1500mm high opennable window - W11	4	No.		
J	Size 7950 x 1500mm high opennable window - W12	2	No.		
K	Size 4800 x 3300mm high opennable window - W14	2	No.		
L	Size 4500 x 1500mm high opennable window - W15	5	No.		
M	Size 1450 x 2900mm high opennable window - W16	1	No.		
N	Size 5600 x 2900mm high opennable window - W17	1	No.		
P	Size 2100 x 13435mm high opennable window - W18	1	No.		
Q	Size 2600 x 13435mm high opennable window - W19	1	No.		
R	Size 900 x 2900mm high opennable window - W20	8	No.		
S	Size 6000 x 1500mm high opennable window - W-21	10	No.		
T	Size 1800 x 5800mm high opennable window - W-22	3	No.		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
A	Size 1000 x 1500mm high opennable window - W-24	1	No.		
B	Size 3950 x 1500mm high opennable window - W-25	1	No.		
C	Size 2400 x 600mm high opennable window - W-26	15	No.		
D	Size 12750 x 3300mm high opennable window - W-28	1	No.		
E	Size 3600 x 1500mm high opennable window - W-29	6	No.		
F	Size 4700 x 1500mm high opennable window - W-30	4	No.		
G	Size 2700 x 600mm high opennable window - W-31	1	No.		
H	Size 2740 x 1500mm high opennable window - W-32	3	No.		
J	Size 3000 x 9500mm high opennable window - W-33	1	No.		
K	Size 3700 x 600mm high opennable window - W-34	7	No.		
L	Size 1200 x 3300mm high opennable window - W-35	8	No.		
M	Size 3700 x 1400mm high opennable window - W-36	2	No.		
N	Size 4200 x 9500mm high opennable window - W-37	1	No.		
P	Size 1950 x 900mm high opennable window - W-38	2	No.		
Q	Size 1950 x 1400mm high opennable window - W-39	3	No.		
R	Size 10545 x 3300mm high opennable window - W-40	1	No.		
S	Size 6500 x 600mm high opennable window - W-41	1	No.		
T	Size 14915 x 2000mm high opennable window - W-42	1	No.		
U	Size 33050 x 2000mm high opennable window - W-43	1	No.		
V	Size 8365 x 2000mm high opennable window - W-44	1	No.		
W	Size 6400 x 1500mm high opennable window - W-45	1	No.		
X	Size 4800 x 3500mm high opennable window - W-46	2	No.		
Y	Size 1350 x 1400mm high opennable window - W-47	4	No.		
Z	Size 2400 x 3300mm high opennable window - W-48	3	No.		
Carried to Collection					

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
A	Size 1800 x 3950mm high opennable window - W-49	5	No.		
B	Size 11000 x 2000mm high opennable window - W-50	1	No.		
C	Size 1800 x 2900mm high opennable window - W-51	1	No.		
D	Size 2500 x 2900mm high opennable window - W-52	1	No.		
E	Size 12600 x 2500mm high opennable window - W-53	1	No.		
F	Size 2000 x 2900mm high opennable window - W-54	1	No.		
G	Size 3700 x 1400mm high opennable window - W-55	1	No.		
H	Size 1145 x 3300mm high opennable window - W-56	2	No.		
J	Size 2800 x 2400mm high opennable window - W-57	1	No.		
K	Size 4263 x 3300mm high opennable window - W-58	1	No.		
L	Size 4400 x 2400mm high opennable window - W-59	2	No.		
M	Size 6060 x 2400mm high opennable window - W-60	1	No.		
	<u>Aluminium Air Transfer Grills</u>				
N	500mm wide x 2300mm high ventilation grill W-06	1	No.		
P	1200mm wide x 1000mm high ventilation grill W-13	14	No.		
Q	1100mm wide x 900mm high ventilation grill W-27	3	No.		
R	3700mm wide x 600mm high ventilation grill W-34	1	No.		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>WINDOWS</u>				
	<u>COLLECTION</u>				<u>Amount</u>
	Total Brought Forward from Page No.				
		Page No			
		MB/33			
		MB/34			
		MB/35			
	Carried to Summary				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 08				
	FINISHES				
	INTERNAL FINISHES				
	Floor Finishes				
	<u>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:-</u>				
A	Floors	4982	Sm		
B	Ditto finished hard and smooth to receive epoxy floor finish.	638	Sm		
	<u>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</u>				
B	Floors	4982	Sm		
C	8 x 100mm high ceramic floor skirting including 12mm screed and grouting.	3555	Lm		
	<u>Supply and apply seamless, 3mm thick MASTER TOP 1230 Plus or other equal and approved Epoxy Resin Flooring applied in accordance with manufacturer's printed instructions; including all fixing accessories; to</u>				
D	Cured concrete floors	638	Sm		
E	Extra over for forming 150mm high skirting detail complete with covered junctions with and including PVC packing piece.	546	Lm		
	<u>Wall 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>				
F	Walls	8684	Sm		
G	Ditto; Lift shaft walls	262	Sm		
	<u>Prepare and apply one undercoat, and two final coats matt Emulsion paint with Teflon as CROWN or other equivalent to:</u>				
G	Plastered walls	11568	Sm		
	<u>Cement and sand (1:4); in to ceramic tiles (m.s)</u>				
H	10mm thick backing in walls to receive wall tiles (WCs, Sluice rooms, sink, scrub areas and worktops)	1460	Sm		
	<u>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</u>				
J	300 x 200 x 8mm thick tiles fixed onto prepared cement/sand backing (ms)	1460	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>				
K	Soffits of suspended slabs	5620	Sm		
	Carried to collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>Prepare and apply one undercoat, and two final coats matt Emulsion paint with Teflon as CROWN or other equivalent to:</u>				
A	Soffits of suspended slabs	5620	Sm		
	<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>				
B	Concrete and masonry surfaces	3784	Sm		
	<u>Prepare and apply one acrylic based undercoat and three coats self-cleaning Permaplast zero paint as 'Crown' or other equal and approved to:-</u>				
C	Rendered surfaces	3784	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>				
D	Extra over stone walling for medium chisel dressing one face	566	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>				
E	Soffits of suspended slabs	255	Sm		
F	Ditto; Landing	42	Sm		
G	Ditto ramp slabs	247	Sm		
H	Sloping soffits of the staircase	102	Sm		
J	Strings	46	Sm		
	<u>Prepare and apply one acrylic based undercoat and three coats self-cleaning Permaplast zero paint as 'Crown' or other equal and approved to:-</u>				
K	Soffits of suspended slabs	255	Sm		
L	Ditto; Landing	42	Sm		
M	Ditto ramp slabs	102	Sm		
N	Sloping soffits of the staircase	102	Sm		
P	Strings	46	Sm		
	<u>Floor Finishes</u>				
	<u>50mm thick Cement/sand (1:4) wood float finish screed incorporating SIKA hardener or other equal and approved in:-</u>				
Q	Floors	255	Sm		
	Carried to collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
A	Landings	42	Sm		
B	300mm wide threads	266	Lm		
C	150mm high risers	266	Lm		
	<u>Non-slip ceramic floor tiles size 600 x 600 x 8.4mm as SAJ CERAMIC approved by the Architect : bedded on cement and sand screeds (measured separately) : jointed and grouted in matching colour cement mortar</u>				
D	Floors	255	Sm		
E	Landing	42	Sm		
F	Threads; Grooved tiles	266	Lm		
G	Risers	266	Lm		
H	8x100mm high ceramic floor skirting including 12mm screed and grouting.	454	Lm		
J	Supply and fix plastic corner stip to the edges of steps	266	Lm		
	<u>Tamped Concrete Ramp Finish</u>				
K	Ramp finish with 50mm wide non-slip grips channels at 150mm centres	247	Sm		
	Carried to collection				
	<u>FINISHES</u>				
	<u>COLLECTION</u>		<u>Page No</u>		<u>Amount</u>
	Total Brought Forward from Page No.		MB/37		
			MB/38		
			MB/39	Above	
	Carried to Summary				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<p>ELEMENT NO. 08 FITTINGS AND FIXTURES Toilet Cubicles</p> <p><u>Supply and install toilet cubicles overall size 2000mm wide x 2020mm high including 150mm under panel clearance fabricated from 12mm thick water/scratch proof solid grade laminate panels, 80 x 45mm polished aluminium with integral channels to receive SGL panels, 18 x 25mm "U" profile for wall-cubicle and cubicle-cubicle intersection points, adjustable legs to accommodate uneven floor to be floor mounted with screw connection and fixed to vertical posts, edges to be machined to a black smooth finish with increased radiused corner safety details and visual effect to doors complete with a continuous hinge hidden within the main vertical post and overlaid indicator bolt with emergency release facility.</u></p>				
A	Cubicles to Project Manager's approval.	107	Lm		
	<p>Reception counter desks</p> <p>6200 x 600 x 1100mm high comprising 50 x 100mm wrot celcured softwood plinth bearer, 18mm thick particle board with HPL formica bottom, 50 x 50mm wrot softwood frame work, 12mm primed and painted MDF rear cover under counter and top, with and including metallic effect aluminium finish on 12mm MDF cladding curved to profile, 20mm polished 1st quality granite slab, 20 x 20mm granite fascia, 20 x 300mm granite top all with rounded edges on 18mm thick blockboard, 100mm high stainless steel skirting on softwood bearer, 2no CPU cage, 50mm dia grommettes, 10 no. drawers size 525 x , prepare and apply primer two under coats and one gloss oil finishing coat to wood.</p>				
B		1	No.		
	<p>Nurse Station</p> <p>600 x 1100mm high comprising 50 x 100mm wrot celcured softwood plinth bearer, 18mm thick particle board with HPL formica bottom, 50 x 50mm wrot softwood frame work, 12mm primed and painted MDF rear cover under counter and top, with and including metallic effect aluminium finish on 12mm MDF cladding curved to profile, 20mm polished 1st quality granite slab, 20 x 20mm granite fascia, 20 x 300mm granite top all with rounded edges on 18mm thick blockboard, 100mm high stainless steel skirting on softwood bearer, 2no CPU cage, 50mm dia grommettes, 10 no. drawers, prepare and apply primer two under coats and one gloss oil finishing coat to wood.</p>				
C		105	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>The following in-built low level kitchen Worktop (Total Length 45 Lm Provisional)</u>				
	<u>Concrete (1:3:6) - 450mm wide x 900mm high</u>				
A	100mm thick plinth	21	Sm		
B	Ditto but 75mm thick suspended slab.	21	Sm		
	<u>Sawn formwork to:-</u>				
C	Edges of plinth 75-150mm high	92	Lm		
	<u>Cement/sand (1:3) in:-</u>				
D	40mm thick floor screed steel trowelled hard and smooth	42	Sm		
	<u>Wrot hardwood in:-</u>				
E	50 x 50mm frame with three labours plugged	513	Lm		
F	50 x 25mm bearers	178	Lm		
	<u>12mm thick post-formed medium density fibre (MDF) board laminated both sides in:-</u>				
G	Door size 450 x 450mm high with hardwood lipping all round	90	No.		
H	Shelves	42	Sm		
	<u>Selected and approved quality local stone load bearing block walling in 200mm course heights: in cement and sand (1:3) mortar: reinforced with hoop iron at alternate courses.</u>				
J	100mm thick walling as supports at 1000mm centres.	13	Sm		
	<u>Approved first quality polished granite slab in:-</u>				
K	20mm thick chamfered slab fixed with an approved adhesive on MDF backing (m/s)	21	Sm		
L	100mm high skirting	47	Lm		
	<u>Ironmongery as "ASSA ABLOY" or other equal and approved</u>				
M	Approved magnetic ball catch	90	No.		
N	Approved malpha hinges	180	Prs		
P	100mm long aluminium D-door pull handle	90	No.		
Q	50mm long brass barrel bolt	45	No.		
R	Drawer size 400 x 550 x 150mm deep comprising 20mm MDF laminate front and 12mm sides and back, 6mm thick plywood bottom tongued in all round, 38 x 25mm drawer stopper including easy pull track rollers	90	No.		
	<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>				
E	Soffits of suspended slabs and walls	47	Sm		
	<u>Prepare and apply one undercoat, and two final coats matt Emulsion paint with Teflon as CROWN or other equivalent to:</u>				
G	Plastered walls	26	Sm		
	<u>Prepare and spray paint three coats of gloss oil paint as 'Crown or equal and approved to:-</u>				
S	Surfaces of wood 100mm to 200mm girth	691	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>The following in-built low level laboratory worktop (Total Length 21,000 mm Provisional)</u>				
	<u>Concrete (1:3:6) - 450mm wide x 1200mm high</u>				
A	100mm thick plinth	11	Sm		
B	Ditto but 75mm thick suspended slab.	11	Sm		
	<u>Sawn formwork to:-</u>				
C	Edges of plinth 75-150mm high	45	Lm		
	<u>Cement/sand (1:3) in:-</u>				
D	40mm thick floor screed steel trowelled hard and smooth	22	Sm		
	<u>Wrot hardwood in:-</u>				
E	50 x 50mm frame with three labours plugged	240	Lm		
F	50 x 25mm bearers	84	Lm		
	<u>12mm thick post-formed medium density fibre (MDF) board laminated both sides in:-</u>				
G	Door size 450 x 1025mm high with hardwood lipping all round	42	No.		
H	Shelves	20	Sm		
	<u>Selected and approved quality local stone load bearing block walling in 200mm course heights: in cement and sand (1:3) mortar: reinforced with hoop iron at alternate courses.</u>				
J	100mm thick walling as supports at 1000mm centres.	14	Sm		
	<u>Approved first quality polished granite slab in:-</u>				
K	20mm thick chamfered slab fixed with an approved adhesive on MDF backing (m/s)	11	Sm		
L	100mm high skirting	23	Lm		
	<u>Ironmongery as "ASSA ABLOY" or other equal and approved</u>				
M	Approved magnetic ball catch	42	No.		
N	Approved malpha hinges	84	Prs		
P	100mm long aluminium D-door pull handle	42	No.		
Q	50mm long aluminium barrel bolt	42	No.		
	<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>				
E	Soffits of suspended slabs and walls	39	Sm		
	<u>Prepare and apply one undercoat, and two final coats matt Emulsion paint with Teflon as CROWN or other equivalent to:</u>				
G	Plastered walls	39	Sm		
	<u>Prepare and spray paint three coats of gloss oil paint as 'Crown or equal and approved to:-</u>				
S	Surfaces of wood 100mm to 200mm girth	324	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>Counter Tops for drug display and preparation counter, service counter, laboratory, etc.</u>				
A	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	72	Lm		
	<u>Vanity tops - in WCs</u>				
B	550mm wide x 850mm high top comprising 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 fascia with coved edges, 100mm thick masonry support walls at 1500mm centres plastered and ceramic tiled both sides, to details	63	Lm		
	<u>High level kitchen Cupboards</u>				
C	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, kimbs, ball catches, apply three coats, clear lacquer polyurathane matt, to Architect's details	30	Lm		
	<u>Wardrobes - Changing Rooms</u>				
D	Supply and fix 2245mm high x 600mm deep wardrobe units in 18mm thick particle boards with and including 8mm thick clealaminated glass doors with 50 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.	17	Lm		
	<u>The following in Pharmacy Shelves</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>				
E	Size 450mm wide x 2400mm high	60	Lm		
	<u>Mild steel railing - Staircases and on top of parapet walls</u>				
F	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)	1122	Lm		
	<u>Handrail</u>				
G	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	1122	Lm		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
A	<u>Prepare and apply red oxide primer and three coats gloss oil paint to metal</u> General surfaces	2065	Sm		
B	<u>Timber slats</u> 75mm x 150mm wrot hardwood timber slats, bolted/plugged on to concrete/masonry wall to Architects approval.	640	Lm		
C	<u>i. Screen rods</u> 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.	710	Lm		
Carried to Collection					
<u>FITTINGS AND FIXTURES</u>					
<u>COLLECTION</u>		<u>Page No</u>			<u>Amount</u>
Total Brought Forward from Page No.		MB/40			
		MB/41			
		MB/42			
		MB/43	Above		
Carried to Summary					

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

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/25			
3	WALLING	MB/26			
4	ROOFING	MB/28			
5	DOORS	MB/32			
6	WINDOWS	MB/36			
7	FINISHES	MB/39			
8	FITTINGS AND FIXTURES	MB/43			
TOTAL FOR MAIN BUILDING CARRIED TO GRAND SUMMARY				Kshs.	

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>BILL NO. 03 - EXTERNAL WORKS</u>				
	<u>Natural stone finish</u>				
	<u>Site Clearance</u>				
A	Clear the site of all the debris, stones, grass and dirt and load wheel and deposit the debris in a designated location on site.	950	Sm		
	<u>Excavations</u>				
B	Excavate 300mm deep to formation levels and dispose off the arising debris from site.	285	Cm		
C	Load and cart away excess excavated materials as directed on site.	285	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>Preparation of surfaces</u>				
F	Trim the sides; roll, level and compact subgrade formation level to atleast 95% MDD (AASHTO T99) including grading to falls and crossfalls.	950	Sm		
	<u>Hardcore filling</u>				
G	300mm 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.	380	Cm		
	<u>Quarry dust blinding to surfaces of hardcore</u>				
H	Provide, place, spread and compact 50mm thick quarry dust blinding to atleast 95% MDD.	950	Sm		
	<u>Natural stone filling to surfaces of hardcore</u>				
J	Provide, place, spread and level 200mm thick 20mm thick ballast filling as directed.	380	Cm		
	<u>Chemical treatment</u>				
K	Termidor 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 guarantee	950	Sm		
	Carried to Summary				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 02</u>				
	<u>LANDSCAPING</u>				
	<u>Earthworks</u>				
A	Excavate 300mm deep to reduce levels not exceeding 1.5m deep	225	Sm		
B	Load up excavated material, spread and fill up any depressions, ram well and grade to required levels to approval	68	Cm		
	<u>Ground Preparation</u>				
C	300mm thick layer (average) of approved imported red forest soil mixed with an approved manure, spread and levelled where directed including raking, breaking up lumps, removing stones, roots and preparing to receive grass	225	Sm		
D	Excavate pit size 600mm x 600mm x 600mm deep, fill with red soil well mixed with approved humus, manure or different fertilizer; and prepare to receive plant (m.s); cart away all the surplus excavate material	60	No.		
	<u>Planting</u>				
E	Provide and plant Kikuyu or other approved grass runners where directed at 200mm centres in both directions including cutting, trimming and watering until well established; and including replacing any dead grass to approval of the Architect	225	Sm		
F	Provide and plant selected indigenous seedlings; water until well established including pruning and replacing any dead seedlings	60	No.		
	Carried to Collection				

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
	Planters The Following 3 No. Planters overall size 21000mm long x 1500mm wide x 900mm high				
	Excavations				
A	Bulk excavations starting from stripped level; depth not exceeding 1500mm to formation levels and dispose off the arising debris from site.	32	Cm		
	Insitu plain concrete: mix 1:2:4 /20mm				
B	50mm Blinding layer	27	Sm		
C	Ditto under the slab	30	Sm		
	Insitu concrete : mix 1:3:6 /20mm: vibrated : to				
D	200mm thick bed	30	Sm		
E	200mm thick walls	81	Sm		
	Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps				
F	In slab and walls	111	Sm		
	Sawn formwork : to				
G	Vertical side: wall foundations	90	Sm		
	Backfilling				
H	Approved imported red forest soil mixed with an approved manure, spread and levelled where directed including raking, breaking up lumps, removing stones, roots and preparing to receive approved flowers.	55	Cm		
F	Provide and plant selected shrubs/flowers; water until well established including pruning and replacing any dead seedlings	14	No.		
Carried to Collection					
LANDSCAPING					
COLLECTION					
Total Brought Forward from Page No.					
		<u>Page No</u>			<u>Amount</u>
		EW/46			
		EW/47	Above		
Carried to Summary					

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY - EXTERNAL WORKS</u>		<u>Page No:</u>			<u>Amount:</u>
1	NATURAL STONE FINISH	EW/45			
2	LANDSCAPING	EW/47			
TOTAL FOR EXTERNAL WORKS CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE.

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 Seventeen Million and Five Hundred Only (Kshs. 17,500,000.00) for provision of electrical fittings, installations, wiring and preparation and submission of two copies of "As-Built Drawings".	Sum	17,500,000.00
	<u>Mechanical Installations</u>		
B	Allow a Provisional Sum of Kenya Shillings Twenty Five Million Only (Kshs. 25,000,000.00) 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	25,000,000.00
	<u>Lift Installation</u>		
C	Supply, install, test and commission stainless steel passenger elevators with and including all the necessary accessories,. The price should include making good the defects on builders works, maintenance during the 12 months defects liability period, statutory inspection and registration of the lifts by Ministry of Labour, training of 2 No. technicians on operation and maintenance of the system, and 3 sets of operator and maintenance and record drawings.	Sum	17,000,000.00
TOTAL FOR PROVISION AND PC SUMS CARRIED TO SUMMARY			59,500,000.00

COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF HEALTH SERVICES

PROPOSED CONSTRUCTION OF NON-COMMUNICABLE DISEASE CENTRE AT KERICHO COUNTY REFERRAL HOSPITAL.

GRAND SUMMARY

BILL NO.	DESCRIPTION			AMOUNT
		<u>From Page</u>		
1	Preliminaries and Project Provisions.	SS1/20		
2	Main Building	MB/44		
3	External Works	EW/27		
4	Prime Costs & Provisional Sums	PC/48		59,500,000.00
	Sub-Total		Kshs.	
	Allow 7.5% For Contingency Sums			

	TOTAL CARRIED TO FORM OF TENDER (Amount inclusive of 16% VAT & Withholding Tax)	Kshs.	
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AMOUNT IN WORDS	
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(Amount inclusive of 16% VAT and Withholding Tax)	
Contractor's Official Rubber Stamp	Name of Witness

Contractor's Signature	Address Of Witness
.....
Date:	Date:
.....