

CONFIDENTIAL

TENDER NO:

**COUNTY
OF KERICHO**

**DEPARTMENT OF
AFFAIRS, GENDER**



GOVERNMENT

**EDUCATION, YOUTH
AND SPORTS.**

TENDER DOCUMENT

BILLS OF QUANTITIES

FOR

**PROPOSED RENOVATION AND EXTERNAL WORKS AT
KENYA NATIONAL LIBRARY SERVICES (KERICHO
BRANCH), AINAMOI SUB-COUNTY.**

BUILDING WORKS

AT

KERICHO TOWN.

Prepared By:

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

Issued By:

APRIL 2024

D	<p><u>LIMITATIONS OF THE SITE</u></p> <p>The site of the works shall be used solely for the purpose of executing and completing the Contract to the satisfaction of the Architect.</p> <p>The Contractor shall make every effort to avoid, and in any event shall be liable for, any undue disturbance amounting to nuisance to the occupiers of the contiguous properties and/or to the Government's activities by reasons of noise, dust, traffic and the like or by neglect to control his workmen or materials and shall be responsible for all damage caused to any existing buildings, equipment or services of the Government on the site.</p>	
	Carried to Collection	-

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>	
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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>	
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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>	
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Item	Description	Amount (Kshs.)
A	<p><u>AREA TO BE OCCUPIED BY THE CONTRACTOR</u></p> <p>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>	

<p>B</p> <p>C</p> <p>D</p> <p>E</p> <p>F</p>	<p><u>ACCESS TO SITE AND TEMPORARY ROADS.</u></p> <p>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> <p><u>OFFICE AND SHEDS</u></p> <p>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> <p><u>OFFICE ETC. FOR THE PROJECT MANAGER</u></p> <p>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> <p><u>WATER FOR THE WORKS</u></p> <p>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> <p><u>LIGHTING AND POWER FOR THE WORKS</u></p> <p>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>	
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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	-

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		-

Item	Description	Amount (Kshs.)
A	<p><u>FIXING ONLY</u></p> <p>Fix Only:-"Fix Only" shall mean take delivery at nearest 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	-

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>The Contractor's attention is drawn to The National Construction Authority Regulations Legal Notice No. 74 dated 6th June 2014. The Contractor must ensure that the project, his workers and site supervisors are registered and accredited under the NCA regulations.</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 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>	
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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>	
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Item	Description	Amount (Kshs.)
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- 7 Brought Forward From Page KNLS/8
- 8 Brought Forward From Page KNLS/9
- 9 Brought Forward From Page KNLS/10

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10	Brought Forward From Page KNLS/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, 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>	

C	<p><u>ARCHITECT</u></p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.</p>	
D	<p><u>QUANTITY SURVEYOR</u></p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.</p>	
E	<p><u>ELECTRICAL ENGINEER</u></p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.</p>	
F	<p><u>MECHANICAL ENGINEER</u></p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.</p>	
G	<p><u>CIVIL/STRUCTURAL ENGINEER</u></p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.</p>	
H	<p><u>LAND SURVEYOR</u></p> <p>The term "Land Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Department of Lands, Housing and Physical Planning, P.O BOX 112-20200, KERICHO.</p>	
J	<p><u>LOCATION OF THE SITE</u></p> <p>The site for works is located within Kericho Town, Behind AIC Church, 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 general renovation and waterproofing works, construction of a with a gate and a gate house and construction of ablution block.</p> <p>The corresponding Electrical (Power and Lighting) and Mechanical works (Sanitary, Plumbing and Connection of Ablution Block to the drainage line) shall be supplied, installed, tested and commissioned as directed.</p>	

B	<p><u>DESCRIPTION OF THE WORKS</u> The works are on a gently sloping site. The works comprise of Renovation of KNLS-Kericho Branch as per the above scope to completion as per the Drawings, Schedules, Specifications and Instructions that maybe given.</p>	
C	<p><u>MEASUREMENTS</u> The measurements for all Contract Bills shall be in accordance with the Standard Method of Measurement of Building and Associated Civil Works for Eastern Africa, published by the Architectural Association of Kenya, Quantity Surveyors Chapter; 2nd Edition Metric; (June 2008).</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>	
D	<p><u>GENERAL SPECIFICATION</u> The Contractor is referred to the General Specifications for Building Works 1976 Edition with and including those specifications under sections of these Bills of Quantities for the complete description of all items of work and must allow for all costs in complying with these clauses.</p>	
E	<p><u>TENDER DOCUMENTS</u> Tender documents are as listed in the Instruction to Tenderers.</p>	
F	<p><u>PRICING RATES</u> The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>	
	<p>Carried to Collection</p>	<p>-</p>

Item	Description	Amount
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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	
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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

FORM OF CONTRACT

The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Works: Building and Associated Civil Engineering Works (2021 Edition) included herein.

Carried to Collection

Item	Description	Amount
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COLLECTION

- 1 Brought Forward From Page KNLS/13
- 2 Brought Forward From Page KNLS/14
- 3 Brought Forward From Page KNLS/15
- 4 Brought Forward From Page KNLS/16
- 5 Brought Forward From Page KNLS/17

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	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	-
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Item	Description	Amount
	<u>SECTIONAL SUMMARY - GENERAL PRELIMINARIES AND PARTICULAR PRELIMINARIES.</u>	
	<u>COLLECTION</u>	
1	Brought Forward From Page KNLS/12	-

2	Brought Forward From Page KNLS/18	-
TOTAL FOR PROJECT PROVISIONS CARRIED TO SUMMARY		-

Item	Description	Quantity	Unit	Rate	Amount
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BILL NO. 02: RENOVATION WORKS AT THE KNLS KERICHO			
ELEMENT NO. 01			
TEMPORARY WORKS, DEMOLITIONS AND AUXILIARY SERVICES			
<u>The tenderer is advised to visit the site before pricing and ascertain the nature of the existing buildings and services. No claims arising from the Tenderers ignorance will be entertained.</u>			
<u>Demolitions</u>			
<u>i. Doors and Windows</u>			
A	Carefully existing aluminium double door size 2000 x 2100mm high , make good the defects and prepare the surface to receive new works. (Entrance)	1	No.
B	Carefully existing timber doors double doors size 1500 x 2100mm high (leaves only - frame to be reused), make good the defects and prepare the surface to receive new works. (Conference and Workroom)	2	No.
C	Ditto: 850 x 1800mm high with and including the frames (WCs)	4	No.
D	Ditto: 900 x 2100mm high (2No.)	2	No.
E	Carefully remove defective door locks, make good the defects and prepare the doors to receive new locks. (Timber Doors)	3	No.
F	Ditto: aluminium doors	5	No.
G	Carefully existing aluminium sliding window size 1200 x 1200mm high, make good the defects and prepare the surface to receive new works. (Staff Room)	1	No.
H	Ditto: WC windows size 600 x 300mm high	8	No.
J	Carefully remove sliding window latches, make good the defects and prepare the doors to receive new locks.	10	No.
K	Diito: aluminium window fasteners	24	No.
G		1	No.
L	Carefully demolish existing worktop, make good the defects and prepare the surface to receive new works. (Staff Room) ii. Finishes Internal Finishes Carefully remove the existing PVC tiles, make good the defects and prepare the surface to receive new works. (Adult Library, Work room and Staff Room)	302	Sm
M	Scrap off the existing wall paint including skimming of the cracks on walls and prepare the surface to receive new works.	1278	Sm
N	Ditto: soffits of concrete slab.	1046	Sm
P	Ditto: timber finishes	472	Sm
<u>External Finishes</u>			

Q	Scrap off the existing wall paint including skimming of the cracks on walls, plastering where necessary and prepare the surface to receive new works.	574	Sm		
	Carried to Collection				

Item	Description	Quantity	Unit	Rate	Amount
A	<u>iii. Waterproofing</u> Carefully remove the existing waterproofing membrane in slabs, sloping roofs and gutters including the rainwater downpipes, make the defects and prepare the surfaces to receive new works. (Area = 1046m²)	1	Item		
	<u>Preparation of surfaces for new works</u> <u>Internally</u>				
B	Carefully hack the concrete roof to receive new screed for tile flooring (ms). (Area = 1046m²)	1	Item		
	Carried to Collection				
	<u>WORKTOP COLLECTION</u>				
	Total Brought Forward from Page No.				
		<u>Page No</u> KNLS/20 KNLS/21			<u>Amount</u> _____ -
				Above	-

	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02				
	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 and gutter slab; laid to falls and cross falls.	1046	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 slabs	1046	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.	1046	Sm		
	<u>Coping</u>				
D	450 x 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 boundary wall	206	Lm		
	<u>Rainwater Disposal (provisional)</u>				
	<u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>				
E	Extra-over for 100mm diameter rainwater outlet	16	No.		
F	110mm Diameter rainwater pipe ; fixed to wall with approved holderbats	34	Lm		
G	Extra-over for bend	16	No.		
H	Extra-over for swanneck : 600mm projection	16	No.		
J	Extra-over for rainwater shoe	16	No.		
K	Rain chains; 2 No. per outlet	54	Lm		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 03</u>				
	<u>DOORS</u>				
	<u>Timber Flush Doors - Internal Doors</u>				
	<u>Flush doors: solid cored: with mahogany veneer both sides : hardwood lipping all edges</u>				
A	45mm thick double leaf door overal size 1500 x 2100mm in 2 No. equal oppennable leaves: 20 x 12mm moulded beading both faces.	2	No.		

B	45mm thick single leaf door overall size 900 x 2100mm: 20 x 12mm moulded beading both faces.	2	No.		
C	Ditto: 850 x 1800mm high	4	No.		
	<u>Wrot cypress: selected and kept clean</u>				
C	60 x 20mm Architrave: two labours	36	Lm		
D	100 x 50mm Frame: two labours: screwed and pellated	18	Lm		
	<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 infilled with 10mm thick clear toughened glass and glazing with rubber gasket in panes, weathering strip, including all necessary fixing to masonry/concrete.</u>				
E	Size 2000mm x 2100mm high double leaf door comprising 2no. 800mm x 2400mm opening leaf, 1no. 1800mm wide x 400mm high fanlight to detail.	1	No.		
	<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>				
F	100mm Pressed steel butt hinges	6	Prs		
G	Euro-profile 3 Lever mortise lock; cat. No. L2521	5	No.		
H	Aluminium door locks	5	No.		
J	Door Signages	4	No.		
K	900 x 300mm high kicking plates	4	No.		
L	Ditto: 800 x 300mm high	4	No.		
M	Flush Bolts 100mm satin Nickel	4	No.		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
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	<p><u>ELEMENT NO. 04</u></p> <p><u>WINDOWS</u></p> <p><u>Aluminium Sliding Windows</u></p> <p><u>Powder coated aluminium casement windows in 50 x 25 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 10mm thick clear toughened glass and glazing with rubber gasket in panes, weathering strip, including all necessary fixing to masonry/concrete</u></p>			
A	<p>1200mm wide x 1200mm high sliding window to detail.</p>	1	No.	
	<p><u>Aluminium casement windows</u></p> <p><u>Powder coated aluminium casement windows in 50 x 25 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 10mm thick clear toughened glass and glazing with rubber gasket in panes, weathering strip, including all necessary fixing to masonry/concrete</u></p>			
B	<p>600mm wide x 300mm high top hung casement window to detail.</p>	8	No.	
	<p><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></p>			
C	<p>Aluminium sliding window latches</p>	14	Prs	
D	<p>Aluminium window fasteners</p>	14	No.	
	<p><u>Purpose made units - Burglar Proofing grills</u></p> <p><u>Burglar proofing grills; purpose made standard metal casement sections fabricated from 25 x 25 x 2mm SHS and 50 x 50 x 2mm frame and welded into an approved pattern and plugged into masonry/concrete surface to detail and approval of the PM.</u></p>			
E	<p>Burglar proofing grills.</p>	49	Sm	
	<p><u>Prepare and apply one undercoat and two finishing coats of gloss oil paint as CROWN or an approved equivalent to general surfaces of:-</u></p>			
F	<p>Burglar Proofing (both sides measured)</p>	98	Sm	
	<p><u>Making good defects on sliding windows</u></p>			
G	<p>Allow a Provisional Sum of Kenya Shillings one Hundred Thousand only for making good defects on sliding windows by servicing, aligning of frames and repair/replacement of movable parts and the like as directed.</p>		Sum	

	Carried to Summary				
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Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 05</u> <u>FINISHES</u> <u>INTERNAL FINISHES</u> <u>Floor Finishes</u> <u>Cement and sand (1:4); in to PVC tiles (m.s)</u>				
A	15mm thick screed	302	Sm		
	<u>PVC floor tiles size 300 x 300 x 3mm as KENFLEX or an equal and approved by the Architect: fixed on to the screed by adhesives: to PM's approval.</u>				
B	Floors	302	Sm		
C	8x100mm high ceramic floor skirting including 12mm screed and grouting.	204	Lm		
	<u>Prepare and apply three coats silk vinyl paint as Crown or other equal and approved paint to general surfaces of: -</u>				
D	Walls	1278	Sm		
	<u>Ceiling finishes</u> <u>Prepare and apply three coats silk vinyl paint as Crown or other equal and approved paint to general surfaces of: -</u>				
E	Soffits of concrete slab.	1046	Sm		
	<u>Prepare and prime and apply two undercoats and one finishing coat gloss paint : on wood</u>				
F	General surfaces of wood	472	Sm		
	<u>EXTERNAL FINISHES</u> <u>Wall Finishes</u> <u>Prepare surfaces and apply 1 coat Plascon Alkali Resistant Primer followed by three coats of Plascon 100% Accrylic outdoor protector emulsion paint ; on plastered masonry or concrete surfaces: to</u>				
G	General surfaces of wall	574	Sm		
	<u>Ceiling Finishes</u> <u>Prepare and apply three coats silk vinyl paint as Crown or other equal and approved paint to general surfaces of: -</u>				

H	Soffits of concrete slab.	60	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 06</u> <u>FITTINGS AND FIXTURES</u> <u>Low Level Kitchen Cabinets</u> <u>The following in 20mm thick laminated MDF cabinet complete with door,shelf,sides dividers complete with all the necessary Malpha hinges,cylinders locks and handles; including masonry walls and 100mm concrete plinth reinforced with BRC Mesh Ref A142 and Granite top finish</u>				

A	Size 500mm wide x 1000mm high	2	Lm		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
	<u>SECTION SUMMARY - RENOVATION WORKS</u>	<u>Page</u>			<u>Amount</u>
		<u>No.</u>			

1	TEMPORARY WORKS, DEMOLITIONS AND AUXILIARIES	KNLS/21			-
2	FLAT ROOF FINISHES	KNLS/22			-
3	DOORS	KNLS/23			-
4	WINDOWS	KNLS/24			-
5	FINISHES	KNLS/25			-
6	FITTINGS AND FIXTURES	KNLS/26			-
TOTAL FOR MEASURED WORKS CARRIED TO SUMMARY				KSHS.	-

Item	Description	Quantity	Unit	Rate	Amount
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BILL NO. 02: RENOVATION WORKS AT THE KNLS KERICHO ELEMENT NO. 01 - ELECTRICAL AND PLUMBING WORKS TEMPORARY WORKS, DEMOLITIONS AND AUXILIARY SERVICES <u>The tenderer is advised to visit the site before pricing and ascertain the nature of the existing buildings and services. No claims arising from the Tenderers ignorance will be entertained. Demolitions</u>					
A	Carefully remove existing flourescent tubes size 1500mm long with is holders, make good the defects and prepare the surface to receive new works.	61	No.		
B	Ditto: Security lights	11	No.		
C	Ditto; 600mm long flourescent bulbs.	27	No.		
D	Ditto: 600mm long shaving lights	2	No.		
E	Ditto; 225mm diameter bulkheads	15	No.		
F	Carefully remove damaged switches, make good the defects and prepare the surface to receive new works.	2	No.		
G	Ditto; sockets <u>ii.</u> <u>Plumbing</u> <u>Works</u>	1	No.		
H	Carefully remove existing Water Closets with its cisterns, make good the defects and prepare the surface to receive new works.	2	No.		
J	Carefully remove existing water tap, make good the defects and prepare the surface to receive new works. (WCs)	4	No.		

K	Carefully remove existing hose reel, make good the defects and prepare the surface to receive new works.	1	No.		

Item	Description	Quantity	Unit	Rate	Amount
	ELEMENT NO. 02 - ELECTRICAL WORKS <i>Supply, install, test and commission the following:-</i>				
	Lighting Fittings				
A	1200mm, 2 x 18 Watts batten fluorescent fitting as THORN or approved equivalent.	61	No.		
B	600mm, 18 Watts batten fluorescent fitting as THORN or approved equivalent.	27	No.		
C	Standard waterproof IP65 fluorescent fitting with injection moulded polycarbonate body and polycarbonate diffuser c/w 1 No. 36W fluorescent tubes with Switchstart gear	11	No.		
D	Ø 225mm 18W Surface Round LED panel round light fitting as Philip or approved equivalent	15	No.		
E	Shaver strip light fitting complete for wall mounting and shaver unit as Thorn or approved equivalent and for dual voltage.	2	No.		
F	13A, socket-out plate, white moulded, as MK range or approved equivalent.	2	No.		
G	13A, Swith plate, white moulded, as MK range or approved equivalent.	1	No.		
	Builder's Works				

H	Allow a Provisional Sum of Kenya Shillings Forty Thousand For Builder's Works		Sum		
	Carried to Summary				-

Item	Description	Quantity	Unit	Rate	Amount
	<p><u>ELEMENT 03</u></p> <p><u>MECHANICAL AND PLUMBING FITTINGS AND INSTALLATIONS</u></p> <p><u>Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Twyfords Ltd products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref. No. is intended only as</u></p>				
A	<p>Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, 9 litres high cistern and fittings and pull chain including siphon, 15mm dia side inlet ball valve, 20mm dia side overflow, plastic flush pipe, inlet connector and cistern supports. All to be as "Twyfords Oriental" or approved equivalent.</p> <p><u>Toilet Roll Holder</u></p>	2	No.		

B	Toilet roll holder in vitreous china to BS 3402 in white colour of size 165x165mm and recessed into wal, toilet roll holder to be as Twyford's " SEMI RECESSED & ORNAMENTAL accessories Ref. No. VC 9808WH	2	No.		
	<u>Kitchen Sink</u>				
C	Double bowl, double drainer stainless steel kitchen sink of size 820 x 400mm as manufactured by ASL. The bowl size to be 430 x 420 x 200mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, 1No. 15mm diameter chrome plated sink mixer with over-arm swivel spout as Cobra model 166/04 with carina handles, chrome plated bottle trap with 75mm deep seal and chain waste fitting.	1	No.		
	<u>Taps</u>				
D	Chrome plated single wall water outlet basin tap size 120 x 150mm as Lirlee or an approved equivalent.	4	No.		
E	Ditto kitchen tap	1	No.		
	<u>Hose Reel</u>				
F	Supply and install wall mounted PVC canvas hose overall length 30m with a working pressure of 13 Bars complete with a single door cabinet as directed.	1	No.		
	<u>Builder's Works</u>				
G	Allow a Provisional Sum of Kenya Shillings Twenty Thousand Only For Builder's Works		Sum		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
	<u>SECTION SUMMARY - ELECTRICAL AND PLUMBING WORKS</u>	<u>Page No.</u>			<u>Amount</u>
1	TEMPORARY WORKS, DEMOLITIONS AND AUXILIARIES	KNLS/28			-
2	ELECTRICAL WORKS	KNLS/29			-

3	MECHANICAL WORKS	KNLS/30			-
TOTAL FOR MEASURED WORKS CARRIED TO SUMMARY				KSHS.	-

Item	Description	Quantity	Unit	Rate	Amount
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BILL NO. 04				
<u>1. PROPOSED CONSTRUCTION OF A GATE HOUSE</u>				
<u>ELEMENT NO. 1</u>				
<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
<u>Site Clearance</u>				
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris	12	Sm	
<u>Excavation</u>				
B	Excavate (average) 150mm to remove top soil: load wheel and spread on site as directed.	12	Sm	
C	Excavate foundation trench starting from reduced level not exceeding 1.50 meters deep.	16	Cm	
D	Return, fill-in and rum selected excavated materials around foundations	9	Cm	
E	Remove and cart away surplus excavated materials.	7	Cm	
<u>Diposal of water</u>				
F	Keeping all excavations free from all water including spring or running water	1	Item	
<u>Planking and strutting</u>				
G	Uphold the sides of all excavations	1	Item	
<u>Filling</u>				
H	Hardcore filling in making up levels,exceeding 300mm thick in layers of 150mm maximum thickness	12	Sm	
J	50mm (average) thick quarry dust blinding to surfaces of hardcore	12	Sm	
<u>Antitermite treatment</u>				

K	Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	12	Sm		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	Amount
	<u>Concrete</u>				
A	50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	11	Sm		
	<u>In situ concrete; reinforced; class 20 / (20mm); vibrated</u>				
B	Foundations in trenches	3	Cm		
C	150mm thick bed;	12	Sm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
D	12mm ditto	56	Kg		
E	8mm ditto	32	Kg		
	<u>Fabric; B.S. 4483</u>				
F	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks	12	Sm		
	<u>Sawn formwork to insitu concrete as described:-</u>				
G	To sides; vertical or battering of foundations	7	Sm		
H	Edges of ground floor slab; 75 to 150mm wide	14	Lm		
	<u>Walling</u>				

J	200mm thick approved natural stone; local; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	22	Sm		
	<u>Damp proofing</u>				
K	Polythene sheet; 1000 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	12	Sm		
	<u>Plinths</u>				
	<u>Insitu Finishings</u>				
L	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	5	Sm		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats bituminous paint to:</u>				
M	Wood floated rendered plinths	5	Sm		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	Amount
	<u>SUBSTRUCTURE WORKS</u>				
	<u>COLLECTION</u>				
	Brought Forward from page:	<u>Page:</u>			Amount
		KNLS/32			-

A	Beams	1	Cm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
B	12mm Ditto	64	Kg		
C	8mm Ditto	32	Kg		
	<u>Sawn formwork to insitu concrete as described:-</u>				
D	To sides of beams.	7	Sm		
TOTAL FOR FRAME CARRIED TO SUMMARY					-

Item	Description	Quantity	Unit	Rate	Amount
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	<p><u>ELEMENT NO. 3</u></p> <p><u>WALLING</u></p> <p><u>EXTERNAL WALLING</u></p> <p><u>Selected and approved quality local stone load bearing (7N/mm²) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar</u></p>				
A	200mm thick walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	29	Sm		
B	Ditto; Gable wall	3	Sm		
	<p><u>INTERNAL WALLING</u></p> <p><u>NATURAL STONE WALLING</u></p>				
C	200mm thick walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course	6	Sm		
	<p><u>DPC</u></p>				
D	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	15	Lm		

TOTAL FOR WALLING CARRIED TO SUMMARY				
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Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 4</u>				
	<u>ROOF CONSTRUCTION.</u>				
	<u>Galvanized steel box profile sheets; 28 gauge; prepainted</u>				
A	Roof covering; 150mm laps on one end and one and a half corrugation side lap; fixed to angle section purlins with and including J-bolts, nut and neoprene washers.	17	Sm		
	<u>Accessories, fixing as necessary to roof sheets</u>				
B	150mm dia. Half round ridge cap	5	Sm		
	<u>CARPENTRY</u>				
	<u>The following in sawn celcured cypress</u>				
C	150 x 50mm wall plate rag-bolted at 1200mm centres with 12mm diameter bolts (m/s)	14	Lm		
D	200 x 50mm ridge board	5	Lm		
	<u>The following sawn celcured cypress timber trusses, nailed connections, spanning 2500 to 3000mm wide, hoisting 3.0m above ground</u>				
E	50 x 150mm ceiling joist	12	Lm		
F	50 x 150mm rafters	16	Lm		
G	100 x 50mm struts and ties	12	Lm		
H	100 x 50mm king post	3	Lm		
J	25 x 100mm nailing plates	2	Lm		
K	50 x 75mm purlins	21	Lm		
L	25 x 200mm fascia board	15	Lm		
	<u>RAINWATER DISPOSAL</u>				
	<u>24g Galvanised mild steel sheeting; all welds ground smooth</u>				
M	150 x 100mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	7	Lm		
N	Extra; 100mm dia.outlet 100mm long	2	No.		
P	100mm dia. rainwater downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall	5	Lm		

Q	Extra; swanneck bend with 1135mm projection	2	No.		
R	Extra; horse shoe bend	2	No.		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	Amount
A	<p><u>Painting and Decorations</u> <u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u> General surfaces of fascia board; over 100 but not exceeding 300mm girth</p>	15	Lm		
Carried to Collection					
<p><u>ROOFING</u></p> <p><u>COLLECTION</u></p> <p>Brought Forward from page:</p>		<p><u>Page:</u> KNLS/37 KNLS/38</p>		<p>Amount:</p> <hr/> <p style="text-align: right;">-</p> <hr/> <p style="text-align: right;">-</p>	
			Above		

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

Item	Description	Quantity	Unit	Rate	Amount
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A	<u>Painting and Decorations</u> <u>Aluminium primer or other equal and approved wood primer before fixing: -</u> Backs of frame, board, etc over 100mm but not exceeding 200mm girth	6	Lm		
B	<u>Knot, prime and stop; prepare and apply one coat stain and two coats of clear varnish</u> General surfaces of timber doors	5	Sm		
C	Frames over 100mm but not exceeding girth	6	Lm		
D	<u>Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -</u> General steel door surfaces (Both sides Measured)	21	Sm		
E	<u>Glazing</u> 5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	5	Sm		
Carried to Collection					
<u>DOORS</u> <u>COLLECTION</u> Brought Forward from page:		<u>Page:</u> KNLS/39 KNLS/40		Amount: _____ - _____ - Above	

C	General window surfaces (Both sides Measured)	8	Sm		
TOTAL FOR WINDOWS CARRIED TO SUMMARY					

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>Internal Finishes</u>				
	<u>Wall finishes</u>				
	<u>Plaster; 15mm thick, 2 No. coatwork, 12mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base</u>				
A	Walls	41	Sm		
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint as "Crown" to the following surfaces</u>				
B	Plastered walls; internal	41	Sm		
	<u>Floor finishes</u>				
	<u>In situ Finishings</u>				
	<u>White non-slip ceramic floor tiles size 300 x 300 x 8mm as "SAJ CERAMICS" or an approved equivalent: bedded on cement and sand screeds (measured separately): jointed and grouted in matching colour cement mortar</u>				

C	Floors	12	Sm		
D	Skirting; 100mm wide; rounded junction with wall finish and straight junction with floor finish.	16	Lm		
	<u>Beds or Backings</u> <u>Screed; cement and sand (1:3)</u>				
E	20mm thick one coat backings; wood floated to receive ceramic floor tiles(m/s).	12	Sm		
	<u>Ceiling Finishes</u> <u>Chip board</u>				
F	9mm thick patterned chip-board ceiling board nailed to timber brandering (m/s); nails punched and puttied.	12	Sm		
	<u>Approved sawn softwood; second grade; pressure impregnated.</u>				
G	50 x 50mm brandering.	48	Lm		
	<u>Wrot cypress</u>				
H	75 x 25mm moulded cornice	18	Lm		
	<u>Prepare and apply one undercoat and three coats of first quality silk vinyl paint as "Crown" to the following surfaces</u>				
K	Chip-board ceiling board	12	Sm		
L	Moulded cornice not exceeding 100mm girth	18	Lm		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	Amount
	<u>External Finishes</u>				
	<u>Wall finishes</u>				
	<u>Render; 15mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -</u>				
A	Beams	15	Sm		
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
B	Beams	15	Sm		
	<u>Approved quality local stone blocks : regular coursed : medium chisel dressed with recessed horizontal and flush vertical joints as work proceeds : in cement and sand (1:3) mortar</u>				

C	Extra over stone walling for medium chisel dressing one face	29	Sm		
<u>Aprons around the Building</u>					
<u>Excavations</u>					
D	Excavate (average) 150mm to remove top soil: load, wheel, deposit and spread roll on site.	8	Sm		
E	Remove surplus spoil from the site and deposit in permanent spoil heaps.	2	Cm		
<u>Imported hardcore</u>					
F	Approved quarry stone hardcore filling: 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick : to receive blinding.	8	Sm		
<u>Murram blinding</u>					
G	50mm Murram blinding to surface of hardcore	8	Sm		
<u>Paving Slabs</u>					
H	600mm x 600mm x 50mm thick precast concrete (1:2:4 class 20/15mm) paving slabs with minimum crushing strength of 20N/mm ² laid to required falls and cambers including 50mm thick stabilizing sand bed; jointed and neatly pointed in cement and sand (1:3) mortar	8	Sm		
Carried to Collection					
<u>FINISHES</u>					
<u>COLLECTION</u>					
Brought Forward from page:		Page:			Amount:
		KNLS/42			-
		KNLS/43		Above	-
TOTAL FOR FINISHES CARRIED TO SUMMARY					-

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTIONAL SUMMARY</u>					
1	SUBSTRUCTURE (ALL PROVISIONAL)	From			Amount:
		Page:			-
		KNLS/34			-

2	FRAME	KNLS/35			-
3	WALLING	KNLS/36			-
4	ROOF CONSTRUCTION.	KNLS/38			-
5	DOORS	KNLS/40			-
6	WINDOWS	KNLS/41			-
7	FINISHES	KNLS/43			-
Total For Gate House					-

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

M	Vertical sides of columns	5	Sm		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	<u>In situ concrete : class 20/20 mm : vibrated : reinforced</u>				
A	Columns	1	Cm		
	<u>Mild steel bar reinforcement to BS 4449 (Provisional)</u>				
B	8mm Diameter bars	13	Kg		
C	12mm Diameter bars	16	Kg		
	<u>Sawn formwork : to</u>				
D	Vertical sides of columns	3	Sm		
	<u>Precast concrete units</u>				

E	300 x 300 x 50mm thick precast concrete column coping; weathered, throated and bedded in cement sand (1:3) to detail.	2	No.	
Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
A	<p><u>ELEMENT NO. 03</u> <u>Gates</u> Pupose made mild steel gate overall size 3800 x 2300mm high in two leaves including a wicket gate of size 900 x 2000mm high fabricated from 50 x 25 x 3mm thick RHS vertical bars at 300mm centres on two sides welded to 2 NO. 50 x 50 x 3mm SHS intermediate horizontal rail and overall sorround supported on, 200mm wide x 1.5mm mild steel plate welded on the middle and including 2NO. 100 x 100 x 4mm x (12.18 kg/m) steel stanchion embedded in concrete columns (measured separately) complete with 300mm long tower bolts all primed with red lead oxide before delivery to the site.</p> <p><u>Prepare touch up primer and apply two undercoats and one finishing coat gloss paint :</u></p>	1	No.		

	<u>to</u>				
B	General surfaces of the gates(both sides measured)	23	Sm		
	Carried to Summary				

Item	Description	Quantity	Unit	Rate	Amount
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<u>SECTIONAL SUMMARY - A GATE</u>		<u>Page No.</u>			
A	SUBSTRUCTURE WORKS	KNLS/45			
B	REINFORCED CONCRETE FRAME	KNLS/46			
C	FENCE AND GATE	KNLS/47			

Total For Construction of a Gate Carried to Summary	KSHS.	-
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Item	Description	Quantity	Unit	Rate	Amount
3. ABLUTION BLOCK					
ELEMENT NO. 01					
<u>SITE PREPARATION WORK (ALL PROVISIONAL)</u>					
<u>Site Preparation</u>					
A	Clear site of all bushes and shrubs, cut down trees with mean girth not exceeding 600mm and cart away the debris.	63	Sm		
<u>Excavation</u>					
B	Excavate (average) 150mm to remove top soil: deposit on site in temporary spoil heaps.	30	Sm		
C	Excavate for trenches, commencing from stripped level and not exceeding 1.5m deep.	29	Cm		
D	Bulk excavation for pit; commencing from stripped level; over 1.5m deep and not exceeding 3.0m deep.	11	Cm		
E	Ditto; over 3.0m and not exceeding 4.5m	11	Cm		
F	Ditto; over 4.5m and not exceeding 6.0m	11	Cm		
H	Ditto; over 6.0m and not exceeding 7.5m	11	Cm		
J	Ditto; over 7.5m and not exceeding 9.0m	11	Cm		
K	Extra over excavation for excavating in hardrock; all classes.	5	Cm		
<u>Disposal of excavated materials</u>					
L	Remove surplus excavated material: remove and spread on site as directed.	77	Cm		
M	Return, fill and ram selected excavated material around foundations.	9	Cm		
<u>Disposal of water</u>					
N	Keep excavations free from all water by baling, pumping or otherwise.	1	Item		
<u>Planking and strutting</u>					
P	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	1	Item		
<u>Imported hardcore</u>					
Q	Approved quarry stone hardcore filling: 300mm thick (overall) : deposit, spread, level and compact in layers not exceeding 150mm thick: to receive blinding.	19	Sm		
<u>Murram blinding</u>					

R	50mm Murrum blinding to surface of hardcore.	19	Sm		
	<u>In situ concrete : class 15/25mm</u>				
S	50mm Blinding layer: under wall foundations	20	Sm		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	Amount
	<u>In situ concrete : class 20/20mm: vibrated : reinforced</u>				
A	Foundation in trenches	4	Cm		
B	Ground Beams; 1200mm intervals	5	Cm		
C	150mm Surface bed	39	Sm		
	<u>Mild steel bar reinforcement to BS 4449 (Provisional)</u>				
D	8mm Diameter bars	216	Kg		
E	12mm; ditto	455	Kg		
	<u>Mesh fabric reinforcement reference A142 to BS 4483: weighing 2.22Kg per square metre: 200mm laps</u>				
F	In surface bed	39	Sm		
	<u>Sawn cypress timber formwork : to</u>				
G	Vertical side: wall foundations	10	Sm		
H	Vertical sides of ground beams	42	Sm		
G	Vertical edge of bed: over 75 but not exceeding 150mm high	24	Lm		
H	Forming openings size 150 x 100mm wide	4	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</u>				
J	200mm Walling	144	Sm		
	<u>Labours and sundries</u>				
K	One Layer 1000 gauge polythene sheet damp proof membrane : under bed : 300mm laps	39	Sm		

L	Approved anti-termite treatment	19	Sm		
	Plinths				
M	12mm Cement and sand (1:4) render with woodfloat finish: to exposed plinth walls.	10	Sm		
N	Prepare and apply two coats bituminous paint to rendered plinths.	10	Sm		
Carried to Collection					
<u>SUBSTRUCTURE WORKS</u>					
<u>COLLECTION</u>					
Total Brought Forward from Page No.					
		Page No			Amount
		KNLS/49			-
		KNLS/50		Above	-
Carried to Summary					
-					

Item	Description	Quantity	Unit	Rate	Amount
<u>ELEMENT NO. 02</u>					
<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>					
<u>Insitu concrete : class 20/20 mm : vibrated : reinforced</u>					
A	Ring beams	2	Cm		
<u>Mild steel bar reinforcement to BS 4449 (Provisional)</u>					
B	8mm Diameter bars	43	Kg		
<u>High yield square twisted bar reinforcement to BS 4461 (Provisional)</u>					
C	12mm Diameter bars	96	Kg		
<u>Sawn formwork : to</u>					

D	Sides of the ring beams	10	Sm		
Carried to Summary					-

Item	Description	Quantity	Unit	Rate	Amount
A	<u>ELEMENT NO. 03</u> <u>ROOFING</u> <u>Roof Covering</u> <u>30 Gauge; pre-painted box profile steel sheet roofing; fix using galvanised self tapping bolts with rubber caps on timber purlins as directed</u> Coverings to gable roof 22.5 degrees pitch: nailed every third course <u>Supply and fix Sheet metal ridge/hip capping: 30 gauge galvanised mild steel</u>	44	Sm		

B	28G x 380mm <u>Sheet metal flashing : 24 gauge galvanised mild steel</u>	6	Lm		
C	28G x 150 x 125mm box gutter <u>Wrot cypress; 1st grade ; selected and kept clean</u>	11	Lm		
D	25 x 200mm Fascia or barge board <u>Roof Structure (Provisional)</u> <u>Structural timbers ; sawn cypress ; pressure impregnated; with and including all nails, bolts, plates etc and all connections and hoisting to position to a height of 2700mm above ground level as detailed (provisional)</u>	26	Lm		
E	50 x 50mm Purlins	48	Lm		
F	100 x 50mm Wall plate : fixed with and including 12mm diameter mild steel ragbolt 150mm long at 900mm centres ; cast in ring beams.	9	Lm		
G	50 x 75mm rafters	54	Lm		
H	50 x 75mm King post	11	Lm		
J	50 x 75mm strut and ties <u>Prepare and knot coated surfaces: prime and apply two undercoats and one finishing coat gloss paint : on wood</u>	42	Lm		
K	Fascia : over 200 but not exceeding 300mm girth	26	Lm		
L	Ditto: General surfaces of the gutter <u>Unplasticised PVC rainwater pipes and fittings : solvent welded joints</u>	5	Sm		
M	100mm Diameter rainwater downpipe: piping to elevated tank	10	Lm		
N	Extra-over for stopped end	4	No.		
P	Extra-over for 100mm diameter rainwater outlet	2	No.		
Q	E.O Downpipe for 100mm Diameter "Fulbora" roof outlet: with dome grating : joint to pipe	2	No.		
R	Extra-over for bend	2	No.		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	Amount
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<u>ELEMENT NO. 4</u>				
<u>WALLING</u>				
<u>Selected and approved quality local stone load bearing (7N/mm²) block walling in 200mm course heights : medium chisel dressed finish on one face ; recessed horizontal joints : flush vertical joints : in cement and sand (1:4) mortar</u>				
A	200mm walling; reinforced with 20 gauge 20mm hoop iron strips laid horizontally every alternate course.	104	Sm	
B	Ditto: eaves and gable filling	10	Sm	
<u>PCC Louvre vents</u>				
C	300 x 200 x 30mm thick precast concrete louvre vent block infill.	10	Sm	
<u>Three ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar</u> <u>(measured net allow for laps)</u>				
D	200mm wide	21	Lm	

Carried to Summary				
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Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 5</u>				
	<u>DOORS</u>				
	<u>Wrot cypress matchboarded door leaf size 820 x 2060mm high.</u>				
A	25mm thick T & G facing, 50x100mm framing (stiles & rails) all round, 25x100mm braces & middle rail with aluminium metal sheet covering at 1.2m high on both sides.	7	No.		
	<u>Wrought cypress timber: selected and kept clean</u>				
B	15mm Quadrant beading	70	Lm		
C	50 x 20mm Architrave : two labours	70	Lm		
D	100 x 50mm Frame: four labours : screwed and pelltated	35	Lm		
	<u>Supply and fix the following ironmongery to timber : with matching screws : references are to 'union' catalogue or other equal and approved</u>				
E	100mm Pressed steel butt hinges	10.5	Prs		
F	Indicator Bolts	6	No.		
E	Euro-profile 2 Lever mortise lock	1	No.		
G	Rubber door stops (Union Ref 8400)	7	No.		
H	Polished brass hat and coat hook	7	No.		
J	Door Handles	6	No.		
	<u>Prepare and prime before fixing: on woodwork</u>				
K	Frames : not exceeding 100mm girth	35	Lm		
	<u>Prepare and apply three coats polyurethane clear varnish : on wood work</u>				
L	General surfaces : doors	24	Sm		

M	Ditto : frames; over 100 mm but not exceeding 200mm	35	Lm		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
	<u>ELEMENT NO. 06</u>				
	<u>FINISHES</u>				
	<u>EXTERNAL WALL FINISHES</u>				
	<u>Approved quality local stone blocks : regular coursed : medium chisel dressed with recessed horizontal and flush vertical joints as work proceeds : in cement and sand (1:3) mortar</u>				
A	Extra over stone walling for medium chisel dressing one face	74	Sm		
	<u>12mm cement and sand plaster mix (1:3): steel trowelled finish: on concrete blockwork or stonework : to</u>				
B	Ring beams and gable end filling.	18	Sm		
	<u>Prepare and apply three coats 1st grade Crown Silk Vinyl paint or an approved equivalent : to</u>				
C	Rendered surfaces.	18	Sm		
	<u>INTERNAL FINISHES</u>				
	<u>Floor Finishes</u>				
	<u>Cement and sand (1:4) trowelled beds : on concrete : to</u>				
D	32mm thick cement sand (1:3) screed; mixed with SIKA or equal and approved hardener; finished hard and smooth on concrete to Achitects's approval.	31	Sm		
	<u>Non-slip ceramic floor tiles size 300 x 300 x 8mm as 'SAJ CERAMICS' approved by the Architect: bedded on cement and sand screeds (measured separately): jointed and grouted in matching colour cement mortar.</u>				
E	Floors	31	Sm		

F	100mm high ceramic floor skirting.	51	Lm		
<u>WALL FINISHES</u>					
<u>12mm cement and sand plaster mix (1:3): steel trowelled finish: on concrete blockwork or stonework : to</u>					
G	Walls	96	Sm		
<u>Prepare and apply three coats 1st grade Crown Silk Vinyl paint or an approved equivalent : to</u>					
H	Plastered walls and columns	96	Sm		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
<u>ELEMENT NO. 07</u>					
<u>MECHANICAL INSTALLATIONS</u>					
<u>Supply and instal the following including all materials and jointing to supply.waste and over flow pipes. Note that trade names are used to signify the need for high quality and durable fittings. Equal and approved alternatives can be fitted where the quoted fittings are not available.</u>					
<u>Breather Pipe</u>					
A	Supply and fix 150mm diameter PVC vent pipes complete with breather cap and all necessary fittings to detail.	6	Lm		
<u>Urinals</u>					
B	Supply and fix stainless steel urinal trough overall size 2000 x 1200mm high bent at the bottom to fit preformed channel and perforated on one side to allow passage of water/urine to detail.	1	Item		
<u>Fittings to PWD Toilets</u>					

C	Allow for supply and fixing of all the necessary fittings to PWDs toilet to detail.	2	Item		
Carried to Summary					

Item	Description	Quantity	Unit	Rate	Amount
<u>ELEMENT NO. 09</u> <u>FOUL DRAINAGE</u> <u>Excavations</u>					
A	Excavate for trench 450mm wide in red volcanic soils to receive 150mm diameter uPVC pipes, part return and remainder cart away (m/s); not exceeding 600mm deep.	11	Cm		
<u>Backfilling</u>					
B	Backfill and compact selected excavated materials	9	Cm		
C	Remove surplus spoil from the site and cart away from site.	2	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 <u>Piping</u>	1	Item		
F	150mm diameter uPVC heavy duty drainage pipe below ground level with tight sealed joints, all the necessary fittings and laid to falls to detail.	40	Lm		
<u>Inspection Chamber</u>					
G	Manholes size 750 x 750 x 1250mm average comprising of plain concrete mix 1:3:6 in 125mm slab, 270mm average benching reinforced concrete 25 in 125mm thick cover slab, 150mm thick block wall 12mm waterproofing screed to sides and bottoms of recessed traps and equal angle framing to receive cast iron cover (measured separately) 20mm thick cement sand 1:3 plaster to internal sides of walls, 200mm long step irons at 300mm c/c including all necessary excavations, strutting, dewatering, formwork and reinforcement.	4	No.		
H	Heavy duty cast iron inspection chamber size 600 x 450mm including and casting in concrete and greasings.	4	No.		
<u>Testing and commissioning</u>					
J	Allow for testing and commissioning of the whole system	1	Item		
<u>Connection to Existing Sewer Line</u>					
K	Allow for connection of the line to existing KEWASCO Sewer Line.	1	Item		
TOTAL FOR FOUL DRAINAGE CARRIED TO SUMMARY				Kshs.	-

Item	Description	Quantity	Unit	Rate	Amount
<u>SECTION SUMMARY - ABLUTION BLOCK</u>					
		<u>Page No:</u>			
1	SUBSTRUCTURE WORKS	KNLS/50			-
2	REINFORCED CONCRETE SUPERSTRUCTURE	KNLS/51			-
3	ROOFING	KNLS/52			-

4	WALLING	KNLS/53			-
6	DOORS	KNLS/54			-
7	FINISHES	KNLS/55			-
8	MECHANICAL INSTALLATIONS	KNLS/56			-
9	FOUL DRAINAGE	KNLS/57			-
TOTAL FOR AN ABLUTION BLOCK CARRIED TO GRAND SUMMARY				KSHS.	-

Item	Description	Quantity	Unit	Rate	Amount
	<u>EXTERNAL WORKS</u>	<u>Page</u>			
		<u>No.</u>			
1	GATE HOUSE	KNLS/43			-

2	GATE	KNLS/47		-
3	ABLUTION BLOCK	KNLS/58		-
TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY			KSHS.	-

Item	Description	Unit	Amount
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<u>BILL NO. 05</u>			
<u>PRIME COSTS, PROVISIONAL & CONTINGENCY SUMS</u>			
<u>Signage/Branding</u>			
A	Allow a Provisional Sum of Kenya Shillings One Hundred and Fifty Thousand Only (Kshs. 150,000.00) for supply and installation of illuminated a 3D facility signage bearing "KENYA NATIONAL LIBRARY SERVICES - KERICHO BRANCH" and a printed sign to be mounted on the existing board in different font sizes including all the necessary accessories all to Project Manager's satisfaction. satisfaction.	Sum	150,000.00
<u>Electrical works</u>			
B	Allow a Provisional Sum of Kenya Shillings One Hundred and Fifty Thousand (Kshs. 150,000.00) for making decommissioning and installation of new works as directed.	Sum	150,000.00
<u>Plumbing Works</u>			
C	Allow a Provisional Sum of Kenya Shillings Fifty Thousand Only (Kshs. 50,000.00) for Plumbing Works.	Sum	50,000.00
<u>Project Management</u>			
D	Allow a Provisional Sum of Kenya Shillings One Hundred and Fifty Thousand (Kshs. 150,000.00) for Project Management.	Sum	150,000.00

TOTAL FOR PROVISION AND PC SUMS CARRIED TO SUMMARY	500,000.00
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COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF EDUCATION, YOUTH AFFAIRS, GENDER AND SPORTS.

**PROPOSED RENOVATION WORKS AND ASSOCIATED EXTERNAL WORKS AT KENYA NATIONAL LIBRARY SERVICES
(KERICHO), AINAMOI SUBCOUNTY.**

GRAND SUMMARY

BILL NO.	DESCRIPTION				AMOUNT
		<u>From Page</u>			-
1	Preliminaries	KNLS/19			-
2	Renovation Works	KNLS/27			-
3	MEP	KNLS/31			-
4	External Works	KNLS/59			-
5	PC & Provisional Sums	KNLS/60			500,000.00
	Sub-Total			Kshs.	
6	Allow 5% For Contingency Sums				
	TOTAL CARRIED TO FORM OF TENDER (Amount inclusive of 16% VAT & Withholding Tax)		Kshs.		

AMOUNT IN WORDS

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(Amount inclusive of 16% VAT and Withholding Tax)

Contractor's Official Rubber Stamp

Name of Witness

Contractor's Signature

Address Of Witness

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Date:

Date:

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