

COUNTY GOVERNMENT OF LAMU

BILLS OF QUANTITIES

**PROPOSED CONSTRUCTION OF OPD FACILITY
AT MPEKETONI**

FEBRUARY, 2020

TENDER BOQ

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES</u></p> <p>A PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</p> <p>The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p> <p>B <u>ABBREVIATIONS</u></p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p>C.M. Shall mean cubic metre</p> <p>S.M. Shall mean square metre</p> <p>L.M. Shall mean linear metre</p> <p>mm Shall mean Millimetre</p> <p>KG Shall mean Kilogramme</p> <p>No. Shall mean Number</p> <p>PRS. Shall mean Pairs</p> <p>B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p>ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p>m.s. Shall mean measured separately.</p> <p>a. b. d Shall mean as before described</p>				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

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	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p>Attendance Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, messrooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power: and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub- Contractors' work and being responsible for the accuracy of the same.</p> <p>Fix Only:- "Fix Only" shall mean take delivery at nearest transport/railway station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.</p> <p>B <u>EMPLOYER</u></p> <p>The Employer is the County Government of Lamu . The terms "Employer" and "County Government" wherever used in any contract document shall be synonymous.</p> <p>C <u>PROJECT MANAGER</u></p> <p>The term "Project Manager." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the County Government.</p>				
	<p>CARRIED TO GENERAL PRELIMINARIES COLLECTION</p>				

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	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>GENERAL PRELIMINARIES 'ctd</u></p>				
A	<p><u>ARCHITECT</u></p> <p>The term "Architect" wherever used in these Bills of Quantities shall be deemed to mean County Architect, County Government of Lamu, and P.O. Box 74 - 80500 Lamu</p>				
B	<p><u>QUANTITY SURVEYOR</u></p> <p>The term "Quantity Surveyor" wherever used in these Bills of Quantities shall be deemed to mean County Quantity Surveyor, County Government of Lamu, and P.O. Box 74 - 80500 Lamu</p>				
C	<p><u>STRUCTURAL ENGINEER</u></p> <p>The term "Structural Engineer" wherever used in these Bills of Quantities shall be deemed to mean County Structural Engineer, County Government of Lamu, and P.O. Box 74 - 80500 Lamu</p>				
D	<p><u>ELECTRICAL ENGINEER</u></p> <p>The term "Electrical Engineer" wherever used in these Bills of Quantities shall be deemed to mean County Electrical Engineer, County Government of Lamu, and P.O. Box 74 - 80500 Lamu</p>				
E	<p><u>MECHANICAL ENGINEER</u></p> <p>The term "Mechanical Engineer" wherever used in these Bills of Quantities shall be deemed to mean County Mechanical Engineer, County Government of Lamu, and P.O. Box 74 - 80500 Lamu</p>				
	<p>CARRIED TO GENERAL PRELIMINARIES COLLECTION</p>				

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	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>FORM OF CONTRACT</u> The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works (2006 Edition) included herein</p> <p>The Conditions of Contract are also included herein</p> <p>Conditions of Contract These are numbered from 1 to 37 as set out in pages 18 to 37 of these tender documents.</p> <p>Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities</p> <p>B <u>PLANT, TOOLS AND VEHICLES</u> Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p> <p>C <u>TRANSPORT.</u> Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p> <p><u>MATERIALS AND WORKMANSHIP.</u> All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are on site when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p> <p>D</p>				
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	<p style="text-align: center;">SECTION 1 <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>SIGN FOR MATERIALS SUPPLIED.</u> The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the "PROJECT MANAGER" at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the "PROJECT MANAGER"</p> <p>B <u>STORAGE OF MATERIALS</u> The Contractor shall provide at his own risk and cost where directed on the site weatherproof lockup sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p> <p>C <u>SECURITY OF WORKS ETC.</u> The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.</p>				
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	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>SAMPLES</u> The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads and Public Works. The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p> <p>B <u>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</u> Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. No claim in respect of want of knowledge in this connection will be entertained.</p>				
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	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>GENERAL PRELIMINARIES 'ctd</u></p>				
A	<p><u>PUBLIC AND PRIVATE ROADS.</u> Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER</p>				
B	<p><u>EXISTING PROPERTY.</u> The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER.</p>				
C	<p><u>VISIT SITE AND EXAMINE DRAWINGS.</u> The Contractor is recommended to examine the drawings and visit the site the location of which is described in the General Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>				
D	<p><u>ACCESS TO SITE AND TEMPORARY ROADS.</u> Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and and reinstate all works and surfaces disturbed to the satisfaction of the "PROJECT MANAGER".</p>				
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	<p style="text-align: center;">SECTION 1 <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>AREA TO BE OCCUPIED BY THE CONTRACTOR</u> The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the "PROJECT MANAGER"</p> <p>B <u>OFFICE ETC. FOR THE PROJECT MANAGER</u> The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the Site Office of the type noted in the Particular Preliminaries, 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 pedestal 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 the services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from the 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 theby the PROJECT MANAGER a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p> <p>C <u>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</u> The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. He must also provide temporary tanks and meters as required at his owncost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER. The Contractor shall pay all charges in connection herewith. Nominated sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>				
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	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>GENERAL PRELIMINARIES 'ctd</u></p>				
A	<p><u>SANITATION OF THE WORKS</u> The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>				
B	<p><u>SUPERVISION AND WORKING HOURS</u> The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract. The working hours shall be those generally worked by good employees in the Building and Civil Engineering trades in Kenya .No work shall be carried out at night or on gazetted holidays unless the PROJECT MANAGER shall direct so. No work shall be covered up nor shall any concreting be carried out in the absence of the Clerk of Works without prior approval of the PROJECT MANAGER in writing.</p>				
C	<p><u>PROVISIONAL SUMS.</u> The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement Such sums are net and no addition shall be made to them for profit.</p>				
D	<p><u>PRIME COST (OR P.C.) SUMS.</u> The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors.</p>				
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	<p style="text-align: center;">SECTION 1 PRELIMINARIES GENERAL PRELIMINARIES 'ctd</p> <p>A <u>PROGRESS CHART.</u> The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub- Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p> <p>B <u>ADJUSTMENT OF P.C. SUMS.</u> In the final account all P.C. Sums shall be deducted and the amount properly expended upon the D.R's order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub- Contractor.</p> <p>C <u>ADJUSTMENT OF PROVISIONAL SUMS.</u> In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 22 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>				
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	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>NOMINATED SUB-CONTRACTORS</u> When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Condition No. 20 of the Conditions of Contract 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> <p>B <u>DIRECT CONTRACTS</u> Notwithstanding the foregoing conditions, the County Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In the instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p> <p>C <u>ATTENDANCE UPON OTHER TRADESMEN, ETC.</u> The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>				
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	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>INSURANCE</u> The Contractor shall insure as required in Conditions Nos. 22 and 23 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p> <p>B <u>PROVISIONAL WORK</u> All work described as "Provisional" in these Bills of Quantities is subject to re-measurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense. CARRIED TO</p> <p>C <u>ALTERATIONS TO BILLS, PRICING, ETC.</u> Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>				
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	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>GENERAL PRELIMINARIES 'ctd</u></p>				
A	<p><u>BLASTING OPERATIONS</u> Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>				
B	<p><u>MATERIALS ARISING FROM EXCAVATIONS</u> MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used</p>				
C	<p><u>PROTECTION OF THE WORKS.</u> Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>				
D	<p><u>REMOVAL OF RUBBISH ETC.</u> Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>				
E	<p><u>WORKS TO BE DELIVERED UP CLEAN</u> Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p>				
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	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>GENERAL PRELIMINARIES 'ctd</u></p> <p>A <u>GENERAL SPECIFICATION.</u> For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works 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> <p>B <u>TRAINING LEVY</u> The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p> <p>C <u>MATERIALS ON SITE</u> All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This is to include the materials of Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>				
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	<p>SECTION 1 <u>PRELIMINARIES</u></p> <p><u>GENERAL PRELIMINARIES 'ctd</u></p>				
A	<p><u>FLOOR AREAS</u> The gross floor area is 2068 Square Metres. The overall floor area is measured wall to wall and is given without warranty but for guidance only.</p>				
B	<p><u>LOCATION OF SITE</u> The site for the works is located in Mpeketoni, Lamu County. The tenderer shall be deemed to have visited the site and familiarised himself with all site conditions prior to submission of tenders.</p>				
C	<p><u>EXISTING BUILDINGS</u> Special precautions shall be required throughout the contract period to avoid damage to the existing structures, roads, lawns, cables, drains and other services.</p> <p>The Contractor shall allow for making good any damage arising from his actions during execution of this contract at his own expense.</p>				
D	<p><u>GENERAL</u> The contractor is referred to the General Specifications for Building Works 1976 Edition and must allow for all costs in complying with these specifications.</p>				
E	<p><u>CONTRACT COMPLETION PERIOD</u> The contract completion period in accordance with Clause 31 of the the conditions of contract must be strictly adhered to. The "PROJECT MANAGER" shall strictly monitor the Contractor's progress in relation to the progress chart and should it be found necessary, the "PROJECT MANAGER" shall inform the Contractor in writing that his actual performance on site is not satisfactory. In all such cases , the Contractor shall accelerate his rate of performance, production and progress by all means such as additional labour, plant e.t.c., and working overtime all at his cost.</p>				
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	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>GENERAL PRELIMINARIES</u> <u>SUMMARY</u></p>				
	Brought forward from page 2				
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	CARRIED TO PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>PARTICULAR PRELIMINARIES</u></p> <p><u>PARTICULARS OF INSERTIONS TO BE MADE IN THE APPENDIX TO CONTRACT AGREEMENT</u></p> <p>The following are insertions to be made in the appendix to the Contract Agreement.</p> <p>(i) Period of final measurement - 3 Months from practical completion date</p> <p>(ii) Defects Liability Period - 6 Months from practical completion date</p> <p>(iii) Date for Possession - To be agreed with "PROJECT MANAGER"</p> <p>(iv) Date of Completion - To be agreed with "PROJECT MANAGER"</p> <p>(v) Liquidated and Ascertained Damages - As per contract data sheet</p> <p>(vi) Period of Interim Certificates - Monthly</p> <p>(vii) Period of Honouring Certificates - Thirty (30) Days</p> <p>(viii) Percentage of Certified value retained - 10%</p> <p>(ix) Limit of retention fund - No limit</p> <p>(x) Bond The Bond required shall be from an approved bank ONLY</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>PARTICULAR PRELIMINARIES 'CTD</u></p>				
A	<p><u>PRICING OF ITEMS OF PRELIMINARIES</u> Preliminaries to the contract are mandatory conditions and responsibilities the contractor is required to fulfill for the complete and proper execution of the contract. The contractor is advised to read and understand all his obligations under preliminaries. Should he find that fulfillment of any of the items will lead to him incurring any cost not covered under measured works he shall price such works accordingly otherwise failure to price any item will be construed to mean that the tenderer has included it in other priced items in the bills of quantities.</p>				
B	<p><u>DESCRIPTION OF THE WORKS AND SCOPE OF CONTRACT</u> The work comprises sub-structures; super-structures; doors; windows; finishes; electrical, civil and mechanical works.</p>				
C	<p><u>MEASUREMENTS</u> In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the said Conditions.</p>				
D	<p><u>LOCATION OF SITE</u> The site of the proposed works is at Lamu County at Mpeketoni Hospital. The Contractor is advised to visit the site to familiarize himself with the nature and position of the site. No claims arising from the Contractor's failure to do so will be entertained.</p>				
E	<p><u>CLEARING AWAY</u> The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused works and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>SECTION 1 <u>PRELIMINARIES</u></p> <p><u>PARTICULAR PRELIMINARIES 'CTD</u></p>				
A	<p><u>CLAIMS</u> It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and/or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such claim or intent to claim notice to the PROJECT MANAGER in accordance with Clause 19 and 24 of the conditions of contract. No claims shall be entertained if the contractor has not complied with the said conditions.</p>				
B	<p><u>PAYMENTS</u> The tenderer's attention is drawn to the fact that the GOVERNMENT pays for work done and materials delivered to site: all in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements.</p>				
C	<p><u>LABOUR CAMPS</u> The Contractor shall not be permitted to house labour on the site and he must take full responsibility for transporting labour daily to and from the site as required and the cost of this shall be included in his tender.</p>				
D	<p><u>FIRM PRICE CONTRACT</u> This is a firm price contract and, therefore the tenderer shall not be reimbursed for any increases in the costs of materials and/or labour in the execution of the works except as provided under the fluctuations clause.</p>				
E	<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, , taxes, all to comply with the said Conditions of Contract except for V.A.T which shall be added at the Grand Summary of these Bills of Quantities</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p style="text-align: center;">SECTION 1 PRELIMINARIES <u>PARTICULAR PRELIMINARIES 'CTD</u></p> <p>A <u>SECURITY</u> The Contractor shall provide adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p> <p>B <u>URGENCY OF THE WORKS</u> The Contractor is notified that these “works are urgent” and should be completed within the period stated in these Particular Preliminaries. The Contractor should allow for any costs he may incur by having to complete the works within the stipulated contract period.</p> <p>C <u>PAYMENT FOR MATERIALS ON SITE</u> All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p> <p>D <u>PRICING OF PRELIMINARIES</u> The tenderer is required to price items covered in these preliminaries as items for which no price is entered will not be paid for but shall be deemed covered by other rates and prices in these Bills of Quantities.</p> <p>E <u>ADJOINING PROPERTY</u> Take all necessary precautions to prevent damage to adjoining property. Any damage occurring must be made good to the satisfaction of the PM and/or owner(s) of the adjoining property at the contractor’s expense.</p> <p>F <u>USE OF SITE</u> Do not use the site for any other purpose other than carrying out the works. Do not permit or display any advertisement without the consent of the PM</p> <p>G <u>SIGN BOARD</u> Allow for providing ,erecting ,maintaining throughtout the course of the contract and after clearing away a signboard as designed,specified and approved by the Project Manager.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>PARTICULAR PRELIMINARIES 'CTD</u></p> <p>A <u>QUALITY OF THE WORKS</u> The works should be of high quality and the contractor will be required to make samples of the work to be executed for approval by the PM before he commences the carrying out of the works. The contractor should allow for sample works in his rates accordingly. In case a sample does not meet the standards set by the PM, the contractor shall be expected to make another sample at his cost until it is approved by the PM.</p> <p>B <u>BID SECURITY</u> The Bidder shall furnish, as part of his bid, a security as specified in the tender advertisement. The bid security shall, at the bidder'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 in the post qualification forms, 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 Twenty (120) days from the date of Tender Opening.</p> <p>C <u>WATER FOR THE WORKS</u> The contractor is to make his arrangements for the provision of water for the works in the course of execution of this contract.</p> <p>D <u>EXISTING SERVICES</u> Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>SECTION 1 <u>PRELIMINARIES</u></p> <p><u>PARTICULAR PRELIMINARIES 'CTD</u></p>				
A	<p><u>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</u> The Contractor is notified that these works are to be carried out on a site where the Client is going on with other normal activities. 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 Client. The Contractor shall allow in his rates any expense he deems necessary by taking such care within the site.</p>				
B	<p><u>FORM OF CONTRACT</u> The form of contract will be the Republic of Kenya Standard Tender Document for Procurement of Works (2006 Edition)</p>				
C	<p><u>PERFORMANCE BOND</u> A bond of 2% of the contract sum will be required in accordance with clause 6.5, award of contract of the Conditions of Contract. No payment will be made without the required performance security.</p>				
D	<p><u>DELIVERY OF TENDER</u> Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited in the tender box as specified in the advertisement and or letter of invitation to tender. Tenders will be opened at the time specified in the advertisement and/or letter of invitation to tender. Tenders arriving later than the specified time will not be considered.</p>				
E	<p><u>CORRECTION OF ERRORS IN TENDER</u> Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and the quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p>					
<p><u>PARTICULAR PRELIMINARIES 'CTD</u></p>					
A	<p><u>VIEWING OF DRAWINGS</u> Any tenderer interested in viewing the drawings related to this project before submission of the tenders may do so by contacting the Office of the Chief Officer, Infrastructure, Lamu County</p>				
B	<p><u>STANDARD FORMS</u> Any tender with standard forms not filled as appropriate will be treated as non-responsive.</p>				
C	<p><u>VAT DEDUCTIONS</u> The tenderer is advised that in accordance with Government public notice No. 35 &36 Dated 11th September 2003 operational from 1st October 2003, withholding VAT will be levied against the contract sum by the Employer and remitted to the Commissioner of VAT through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment of VAT, any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with.</p>				
D	<p><u>OFFICE FOR THE "PROJECT MANAGER"</u> The site office mentioned in item B page GP/7 of the General Preliminaries shall be type "B" as shown on the Ministry of Works Standard Detail. The contractor shall insure the office and furniture against fire, theft and natural calamities and provided day and night security. He shall also provide and maintain adequate access and parking acceptable to the PROJECT MANAGER.</p>				
E	<p><u>TELEPHONE</u> The contractor shall provide a telephone facilities (fixed or mobile) on site throughout the duration of the contract for use by the Project Manager. He shall also maintain the phone in permanent working condition and pay all charges for the duration of the Contract.</p>				
F	<p><u>HOARDING</u> Hoarding shall be erected as necessary</p>				
<p>CARRIED TO PARTICULAR PRELIMINARIES COLLECTION</p>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>PARTICULAR PRELIMINARIES 'CTD</u></p> <p>A <u>PROGRAMME PROGRESS CHART</u> The Contractor shall allow for providing within One (1) week after the date of possession of the site and in agreement with the "PROJECT MANAGER" a progress chart for the whole of the works. One copy shall be forwarded to the "PROJECT MANAGER" and another copy shall be retained on site on which progress shall be recorded by the Contractor. Should any circumstance arise affecting the programme or progress ,the chart shall be modified as necessary in consultation with the "PROJECT MANAGER".</p> <p>B <u>PERFORMANCE SECURITY (BOND)</u> The Contractor should note that the Performance Security to be provided must be inform of a bank guarantee in the amount of 5 % of the Contract Sum. The form to be signed is M.O.W. 118 or any other format acceptable to the Employer.</p> <p>C <u>PAYMENTS TO DOMESTIC SUBCONTRACTORS</u> The Main Contractor shall be fully responsible for paying his Domestic Sub -Contractors but the Government reserves the right in very exceptional circumstances to make such payments direct in the interest of the project, where completion thereof might be jeopardised by any dispute between any of the Contractors and Sub -Contractors involved.</p> <p>D <u>APPENDICES</u> The Appendices to the Bills of Quantities shall be regarded for contract purposes as part of the Bill and shall be read and construed with the appropriate sections of theBills if contained therein.</p> <p>E <u>SUFFICIENCY OF TENDER</u> The main Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices stated in the Bills of Quantities which rates and prices shall cover all his obligations under the contract and all matters and things necessary for the proper completion of the works.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>PARTICULAR PRELIMINARIES 'CTD</u></p> <p>A <u>GENERAL SPECIFICATIONS</u> For the full description of materials ,workmanship and method of execution of the works, the Contractor is referred to the Ministry of Works General specifications for building works dated 1976 or any subsequent revision thereof which is issued as a separate document and which shall be followed in all respects unless it conflicts with the General and Particular Preliminaries, Trade Preambles or other items in these Bills of Quantities. In the event of such conflict , then the provisions of the General and Particular Preliminaries, Trade Preambles and these Bills of Quantities take precedence.</p> <p>B <u>TRAINING LEVY</u> The Contractor's attention is drawn to Legal Notice No. 237 of October 1971 which requires payment by the Contractor of a Training levy at the rate of 1/4 % of the Contract Sum on all Contracts of more than Kshs. 50,000.00 in value.</p> <p>C <u>MATERIALS ON SITE</u> All materials for incorporation in the works must be stored on or adjacent to the site of the works before payment is effected by the "PROJECT MANAGER". This is to include the materials of the Main Contractor, Sub - contractors and Nominated Suppliers.</p> <p>D <u>SECURITY AND ACCESS TO THE SITE</u> The Contractor must include in his tender for all necessary expenditure incurred in complying with the security regulations of the <i>County of Lamu</i> , especially in relation to entry and exit from the site of the works and movement within the site.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p style="text-align: center;"><u>PARTICULAR PRELIMINARIES 'CTD</u></p> <p><u>SECURITY</u> The Contractor shall be responsible for ensuring that all personnel of non-Kenyan origin employed on site by himself or his sub- contractors or who are otherwise connected with the construction of contract through the Contractor must be approved and cleared to work on the project individually in writing by the relevant Government Agencies.</p> <p>Where personnel are not approved, the Contractor shall be responsible at his own expense for obtaining and employing suitable and approved personnel.</p> <p>The Contractor shall be responsible for ensuring that all matters including drawings, letters and documentation relating to the project are dealt with confidentiality.</p> <p>He will be expected to post notices on site instructing his employees to treat all matters relating to the project as confidential.</p> <p><u>NUISANCE</u> The Contractor shall not directly or indirectly or otherwise by himself or through his agents cause nuisance . Should he do so he shall be directly responsible for such acts.</p>				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				
	<p style="text-align: center;"><u>SECTION 1</u> <u>PRELIMINARIES</u> <u>PARTICULAR PRELIMINARIES</u> <u>SUMMARY</u></p> <p>Brought forward from page 19</p> <p>Brought forward from page 20</p> <p>Brought forward from page 21</p> <p>Brought forward from page 22</p> <p>Brought forward from page 23</p> <p>Brought forward from page 24</p> <p>Brought forward from page 25</p> <p>Brought forward from page 26</p> <p>Brought forward from page 27</p> <p>Brought down from above</p>				
	CARRIED TO PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>SECTION 1</u> <u>PRELIMINARIES</u></p> <p><u>SUMMARY</u></p> <p>Brought forward from page 18</p> <p>Brought forward from page 27</p>				
	TOTAL PRELIMINARIES CARRIED TO GRAND SUMMARY				

COUNTY GOVERNMENT OF LAMU

BILLS OF QUANTITIES

PROPOSED CONSTRUCTION OF OPD FACILITY AT MPEKETONI

FEBRUARY, 2020

TENDER BOQ

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 BUILDER'S WORK				
	<u>ELEMENT NO. 1</u>				
	<u>SUB-STRUCTURES</u>				
	<u>(ALL PROVISIONAL)</u>				
	<u>Site Clearance</u>				
A	Clear site of bushes, scrub, undergrowth, small trees n.e 600mm girth and grubbing up their roots	1324	SM		
	<u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u>				
	<u>Excavation</u>				
B	Excavate oversite to remove top vegetable soil to an average depth of 150mm; wheel and deposit on site n.e 100m away in soil heaps	1324	SM		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	508	CM		
D	Ditto for column bases	182	CM		
E	Extra Over excavation in rock class 1	345	CM		
	<u>Disposal</u>				
F	Return, fill and ram selected excavated material around foundations	220	CM		
G	Load, wheel and cart deposit and spread surplus excavated material away from site to an approved disposal yard 500 metres from site	668	CM		
	<u>Disposal of Water</u>				
H	Allow for keeping all excavations free from water		ITEM		
	<u>Planking and Strutting</u>				
I	Allow for planking and strutting to uphold sides of excavations		ITEM		
	<u>Hardcore or other approved filling, as described</u>				
J	300mm thick well compacted hardcore filling laid in layers of 150mm	1251	SM		
K	50mm thick quarry dust blinding to top of hardcore to receive concrete bed	1251	SM		
	CARRIED TO SUB-STRUCTURES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 2					
<u>BUILDER'S WORK</u>					
<u>ELEMENT NO. 1</u>					
<u>SUB-STRUCTURES 'CTD</u>					
<u>Anti-termite Treatment</u>					
A	"Gladiator" or equal and approved chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core	1251	SM		
B	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured net-allow for laps)	1363	SM		
<u>Plain concrete class 15 in:</u>					
C	50mm blinding under strip footing	338	SM		
D	Ditto but under column bases	121	SM		
<u>Vibrated Reinforced concrete class (25) as described, in:-</u>					
E	Strip footing	68	CM		
F	Column bases	37	CM		
G	Foundation columns	9	CM		
H	Ground Beam	52	CM		
I	150mm thick surface bed laid in bays including all necessary formwork	1363	SM		
<u>Reinforcement, as described:-[Provisional]</u>					
<u>T reinforcement bars</u>					
J	8mm diameter bars	1825	KG		
K	10mm ditto	2735	KG		
L	12mm ditto	5128	KG		
M	16mm ditto	0	KG		
<u>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps)</u>					
N	Fabric ref. A142 weighing 2.22kg/ sq. metre, in surface bed.	1363	SM		
CARRIED TO SUB-STRUCTURES COLLECTION					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 BUILDER'S WORK				
	ELEMENT NO. 1 SUB-STRUCTURES 'CTD				
	<u>Sawn timber formwork as described to:-</u>				
A	Sides of column bases	138	SM		
B	Sides of foundation columns	159	SM		
C	Sides of ground beam	529	SM		
D	To edge of steps and slabs over 75mm but not exceeding 150mm high	264	LM		
E	To edge of steps and slabs over 150mm but not exceeding 225mm high	1128	LM		
	<u>Natural hard rough machine cut natural stone from approved quarry with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:4) mortar, jointed both vertical and horizontal joints and reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in;</u>				
F	200mm thick walling	780	SM		
	<u>Damp-proof courses, as described, to walls</u>				
G	200mm wide	397	LM		
H	150mm wide	42	LM		
	<u>Bonding ties</u>				
I	No 20 gauge hoop iron ties 25mm wide and 450mm long, bent and tacked into formwork with one end cast into concrete, and other end built into mortar joint of walling	805	NO		
	CARRIED TO SUB-STRUCTURES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>SECTION 2</u> <u>BUILDER'S WORK</u></p> <p><u>ELEMENT NO. 1</u> <u>SUB-STRUCTURES</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from page 2</p> <p>Brought forward from page 3</p> <p>Brought forward from page 4</p>				
	<p>TOTAL SUB-STRUCTURES CARRIED TO BUILDER'S WORK SUMMARY</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 2					
<u>BUILDER'S WORK</u>					
<u>ELEMENT NO. 2</u>					
<u>REINFORCED CONCRETE FRAME</u>					
<u>Vibrated Reinforced concrete class (25) as described, in:-</u>					
A	Beams	99	CM		
B	Columns	56	CM		
C	Staircase	1	CM		
D	Sun-shading	20	CM		
E	150mm staircase string	10	SM		
F	150mm thick landing	3	SM		
G	150mm thick suspended slab	1977	SM		
H	150mm Thick dome laid 11 metres above ground level	124	SM		
I	150mm thick ramp	146	SM		
<u>Reinforcement, as described:-[Provisional]</u>					
<u>T reinforcement bars</u>					
J	8mm diameter bars	15141	KG		
K	10mm ditto	12895	KG		
L	12mm ditto	4181	KG		
M	16mm ditto	11746	KG		
<u>Sawn timber formwork as described to:-</u>					
P	Sides and soffits of beams	847	SM		
Q	Sides and soffits of curved beams	283	SM		
R	Sides of columns	905	SM		
S	Sides and soffites of sunshading	178	SM		
T	Soffites of curved dome at height 9500 to 11000mm	124	SM		
U	Soffits of suspended slab	1977	SM		
CARRIED TO RC FRAME COLLECTION					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 BUILDER'S WORK				
	ELEMENT NO. 2 REINFORCED CONCRETE FRAME 'CTD				
	Sawn timber formwork as described to:- 'ctd				
A	Soffits of suspended landings	3	SM		
B	Soffits of curved staircase sloping over 27 degrees from horizontal	10	SM		
C	Edge of suspended slab over 75mm but not exceeding 150mm girth	317	LM		
D	Edge of riser over 75mm but not exceeding 150mm girth	26	LM		
E	Edge of open staircase string 300mm (extreme) girth including forming to profile of risers and treads	16	LM		
	CARRIED TO RC FRAME COLLECTION				
	SECTION 2 BUILDER'S WORK				
	ELEMENT NO. 2 REINFORCED CONCRETE FRAME				
	COLLECTION				
	Brought forward from page 6				
	Brought down from above				
	TOTAL REINFORCED CONCRETE FRAME CARRIED TO BUILDER'S WORK SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 BUILDER'S WORK				
	ELEMENT NO. 3 WALLING				
	<i><u>Natural hard rough machine cut natural stone from approved quarry with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:4) mortar, jointed both vertical and horizontal joints and reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in;</u></i>				
A	200mm thick walling externally	719	SM		
	<i><u>Natural hard rough machine cut natural stone from approved quarry with a crushing strength of 5.0 N/mm²; walling bedded and jointed in cement and sand (1:4) mortar, jointed both vertical and horizontal joints and reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in;</u></i>				
B	200mm thick walling internally	936	SM		
C	150mm thick walling internally	146	SM		
D	Extra Over for fair curved cutting of 200mm thick wall	164	LM		
	TOTAL WALLING CARRIED TO BUILDER'S WORK SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 2					
<u>BUILDER'S WORK</u>					
<u>ELEMENT NO. 4</u>					
<u>ROOFING</u>					
<u>Roof top floor finish</u>					
<u>Sika 1 waterproofed cement and sand (1:3) screeds, backings etc</u>					
A	32mm bed finished to receive APP (ms)	1272	SM		
B	Ditto 400mm high skirting	87	LM		
<u>APP membrane with 10 year guarantee</u>					
C	5mm thick App membrane complete laid with primer laid on waterproofed cement sand screed	1272	SM		
D	Ditto 400mm high skirting	87	LM		
<u>Parapet wall</u>					
<u>Natural hard rough machine cut natural stone from approved quarry with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:4) mortar, jointed both vertical and horizontal joints and reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in;</u>					
E	200mm thick walling externally	148	SM		
<u>Precast concrete class 20 (12mm, aggregate) including formwork, finishing fair face on all exposed surfaces, and bedding and jointing in cement and sand (1:3) mortar</u>					
F	275x75mm coping twice weathered and throated	197	LM		
TOTAL ROOFING CARRIED TO BUILDER'S WORK SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 2					
<u>BUILDER'S WORK</u>					
<u>ELEMENT NO. 5</u>					
<u>FINISHES</u>					
<u>15mm (minimum) two coat lime plaster as described to:-</u>					
A	Concrete and masonry surfaces externally	719	SM		
<u>15mm (minimum) two coat lime plaster as described to:-</u>					
B	Concrete and internal masonry surfaces	2739	SM		
C	Soffites of suspended slab n.e 4000mm from ground level	1977	SM		
<u>Cement and sand (1:4) backings etc</u>					
D	15mm render finished to receive ceramic wall tiles (m.s)	292	SM		
<u>Supply and fixing of ceramic wall tiling</u>					
E	Supply and fix approved 9mm thick 450 x 300mm wall tiles with and including approved grout to walls on prepared backing (m.s)	292	SM		
F	Ditto for 100mm skirting	132	LM		
G	2mm Thick quarter-round aluminium edge strip extrusion	304	LM		
<u>Floor Finishes</u>					
<u>Cement and sand (1:3) screeds, backings, beds etc</u>					
H	32mm bed finished to receive ceramic floor tiles (m.s)	1780	SM		
I	20mm bed finished to receive mazeras tiles flooring (m.s)	434	SM		
<u>Supply and fixing of ceramic floor tiling</u>					
J	Supply and fix approved 9mm thick 450 x 450mm floor tiles with and including approved grout to floors on prepared backing (m.s)	1780	SM		
K	Ditto for 100mm skirting	1126	LM		
<u>Mazeras stone paving with 100mm wide clay tile edge strip all bonded in appropriate grout mortar including applying silicon colorless waterproofing compound to surfaces</u>					
L	300x300x20mm 'Mazeras floor tiling with tile adhesive or grout on prepared backing (m.s)	434	SM		
M	100x20mm thick mazeras skirting	236	LM		
CARRIED TO FINISHES COLLECTION					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 2 BUILDER'S WORK					
<u>ELEMENT NO. 5</u>					
<u>FINISHES 'CTD</u>					
<u>Cement and sand (1:3) screeds, backings, beds etc</u>					
A	32mm bed to landings, treads and risers finished to receive ceramic floor tiles (m.s)	3	SM		
<u>Supply and fixing of ceramic floor tiling</u>					
B	Supply and fix approved 9mm thick 450 x 450mm floor tiles with and including approved grout to floors of landing on prepared screed (m.s)	3	SM		
C	300x9mm ceramic floor tile with edge nosing (ms) fixed to tread	26	LM		
D	200x8mm ceramic floor tile with edge nosing (ms) fixed to riser	26	LM		
E	2mm Thick quarter round aluminium edge strip nosing extrusion	26	LM		
<u>Staircase and ramp railing</u>					
<u>In wrot mvule</u>					
F	100 x 75mm bottom rail with 4No. Labours fixed to timber balusters (m.s)	145	LM		
G	75 x 50mm hand rail with 4No. Labours fixed to timber balusters (m.s)	145	LM		
H	100 x 75mm moulded balusters to detail 950mm high with 4No. Labours	211	NO		
I	50 x 50mm bracings fixed to intersection of balusters and handrail/bottom rail	273	LM		
<u>Prepare one undercoat and two coats first quality permacote ultra guard silicone paint on:-</u>					
J	Ceilings	1977	SM		
K	Plastered surfaces	3458	SM		
CARRIED TO FINISHES COLLECTION					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>SECTION 2</u> <u>BUILDER'S WORK</u></p> <p><u>ELEMENT NO. 5</u> <u>FINISHES</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from page 10</p> <p>Brought forward from page 11</p>				
	TOTAL FINISHES CARRIED TO BUILDER'S WORK SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 BUILDER'S WORK				
	<u>ELEMENT NO. 6 WINDOWS</u>				
	<u>Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:3) mortar</u>				
A	275x175mm thick window cill once rebated and throated laid and jointed in cement and sand 1:3 mortar	130	LM		
	<u>Supply, assemble and fix the following purpose made heavy duty powder coated aluminium sliding windows with profiles from an approved manufacturer incorporating hooded mosquito proofing, complete with ironmongery from an approved aluminium window specialist (refer to Architectural schedules)</u>				
B	Window size 1500 x 1500	41	NO		
C	Window size 1500 x 1500	25	NO		
	<u>Supply assemble and fix purpose-made 150mm thick decorative concrete grille blocks pre-fabricated with R6 reinforcement internally and laid in cement sand mortar (1:3) as per Architect's detail and approved sample</u>				
D	Opening size 2250 x 2850mm with archtop	7	NO		
E	Opening size 3000 x 2850mm with archtop	7	NO		
	<u>Glazing fixed to aluminium frames complete with silicone sealant and all accessories in:</u>				
	<u>Clear sheet glass</u>				
G	5mm Thick; pane sizes 1.0-1.5 square metres	92	SM		
	<u>Obscure sheet glass</u>				
H	5mm Thick; pane sizes n.e 0.5 square metres	9	SM		
	TOTAL WINDOWS CARRIED TO BUILDER'S WORK SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 2					
<u>BUILDER'S WORK</u>					
<u>ELEMENT NO. 7</u>					
<u>DOORS</u>					
<u>In Wrot Mvule or equal and approved</u>					
A	150x50mm door frames lining with rounded edges	459	LM		
B	75x25mm architrave with two labors, plugged	459	LM		
C	25mm diameter quadrant with one no. bevelled edge	459	LM		
D	50mm thick mvule paneled door type overall size 900x2400mm high comprising 100mm wide stiles, top rail, muntin and intermediate rails and 200mm wide bottom rails, with 4 No. solid panels each size 265x830mm high in filled splayed at edges and tongued and grooved to frame	30	NO		
E	75mm thick mvule paneled door overall size 1200x2400mm high comprising 2No. equal openable paneled leaves each comprising 100mm wide stiles, top rail, muntin and intermediate rails and 200mm wide bottom rails, each size 425x500mm in filled with 6 No. solid panels high splayed at edges and tongued and grooved to frame	3	NO		
F	Ditto but door size 1500x2400mm high	6	NO		
G	Ditto but door size 2700x2400mm high	1	NO		
<u>Flush doors</u>					
H	50mm thick solid cored flush door mahogany veneered both sides with lipping 800x2400mm high	27	NO		
<u>Supply and fix only the following ironmongery with matching screws</u>					
I	100mm brass butt hinges	116	PRS		
J	3 Lever Mortice lock as Union or equal and approved	67	NO		
K	Medium duty hydraulic door closer as Union or equal and approved	40	NO		
L	22 x 150mm aluminium D pull handle	40	NO		
CARRIED TO DOORS COLLECTION					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 BUILDER'S WORK				
	<u>ELEMENT NO. 6</u>				
	<u>DOORS</u>				
A	Rubber door stop plugged to concrete floor with ceramic floor finish	77	NO		
B	Coat hooks	57	NO		
	<u>Painting and decoration</u>				
	<u>Prepare and apply one coat pinotex stain and two coats polyurethane clear matt varnish to woodwork</u>				
C	General surfaces	285	SM		
D	Surfaces over 225mm but not exceeding 300mm girth	459	LM		
E	Surfaces over 150mm but not exceeding 225mm girth	459	LM		
	CARRIED TO DOORS COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 14				
	Brought down from above				
	TOTAL DOORS CARRIED TO BUILDER'S WORK SUMMARY				

ITEM	DESCRIPTION	PAGE		AMOUNT
<p><u>SECTION 2</u> <u>BUILDER'S WORK</u> <u>SUMMARY</u></p>				
1	SUB-STRUCTURES	5		
2	REINFORCED CONCRETE FRAME	7		
3	WALLING	8		
4	ROOFING	9		
5	FINISHES	12		
6	WINDOWS	13		
7	DOORS	15		
<p>BUILDER'S WORK TOTAL CARRIED TO GRAND SUMMARY</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SECTION 3 <u>PRIME COST AND PROVISIONAL SUMS</u>					
<u>PRIME COST SUMS</u>					
A	Allow a Prime Cost sum of Kenya Shillings Seven Million (KES 7,000,000) only for " <i>Design and Build</i> " - Electrical Installations and associated works		ITEM		
B	Allow for profit and attendance		%		
C	Allow a Prime Cost sum of Kenya Shillings Five Million (KES 5,000,000) only for " <i>Design and Build</i> " - Plumbing, Drainage, Sanitary Fittings and associated works		ITEM		
D	Allow for profit and attendance		%		
<u>PROVISIONAL SUMS</u>					
E	Allow a Provisional Sum of Kenya Shillings One Million (KES 1,000,000) only for Civil works				
F	Allow a Provisional Sum of Kenya Shillings Three Million (KES 3,000,000) only for <i>Contingencies</i>				
PRIME COST AND PROVISIONAL SUMS TOTAL CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	PAGE		AMOUNT
<u>GRAND SUMMARY</u>				
A	PRELIMINARIES	PP/28		
B	BUILDER'S WORK	16		
C	PC AND PROVISIONAL SUMS	17		
D	SUB-TOTAL			
E	ADD 16% VAT			
GRAND TOTAL CARRIED TO FORM OF TENDER				

TENDER AMOUNT IN WORDS

.....

Contractor.....

Address.....

Signature.....

Date.....

Witness.....

Address.....

Signature.....

Date.....