COUNTY GOVERNMENT OF LAMU

BILLS OF QUANTITIES

RENOVATION AND EXTENSION OF LAMU ISLAND MARKET

FINANCED BY

THE KENYA URBAN SUPPORT PROGRAM

APRIL, 2019

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

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd** **EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT** **Attendance Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-** 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. **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. **B** **EMPLOYER** The Employer is the ***County Government of Lamu*** . The terms "Employer" and "County Government" wherever used in any contract document shall be synonymous. **C** **PROJECT MANAGER** 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

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

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**FORM OF CONTRACT** 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 The Conditions of Contract are also included herein **Conditions of Contract** These are numbered from 1 to 37 as set out in pages 18 to 37 of these tender documents. 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				
B	**PLANT, TOOLS AND VEHICLES** Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.				
C	**TRANSPORT.** Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.				
D	**MATERIALS AND WORKMANSHIP.** All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**SIGN FOR MATERIALS SUPPLIED.** The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking 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"				
B	**STORAGE OF MATERIALS** 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.				
C	**SECURITY OF WORKS ETC.** 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**SAMPLES** 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 inaccordance with the current scale of testing charges laid down by the Ministry of Roads and Public Works. Theprocedure 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.				
B	**GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.** Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. No claim in respect of want of knowledge in this connection will be entertained.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**PUBLIC AND PRIVATE ROADS.** 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				
B	**EXISTING PROPERTY.** 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.				
C	**VISIT SITE AND EXAMINE DRAWINGS.** 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.				
D	**ACCESS TO SITE AND TEMPORARY ROADS.** 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".				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**AREA TO BE OCCUPIED BY THE CONTRACTOR** The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the "PROJECT MANAGER"				
B	**OFFICE ETC. FOR THE PROJECT MANAGER** The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the Site Office of the 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 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.				
C	**WATER AND ELECTRICITY SUPPLY FOR THE WORKS** 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 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 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**SANITATION OF THE WORKS** The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER				
B	**SUPERVISION AND WORKING HOURS** The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract. 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 gazzeted 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.				
C	**PROVISIONAL SUMS.** 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.				
D	**PRIME COST (OR P.C.) SUMS.** The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**PROGRESS CHART.** 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.				
B	**ADJUSTMENT OF P.C. SUMS.** 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.				
C	**ADJUSTMENT OF PROVISIONAL SUMS.** In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**NOMINATED SUB-CONTRACTORS** When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, theContractor 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".				
B	**DIRECT CONTRACTS** 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.				
C	**ATTENDANCE UPON OTHER TRADESMEN, ETC.** 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**INSURANCE** 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.				
B	**PROVISIONAL WORK** 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				
C	**ALTERATIONS TO BILLS, PRICING, ETC.** 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**BLASTING OPERATIONS** 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.				
B	**MATERIALS ARISING FROM EXCAVATIONS** MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used				
C	**PROTECTION OF THE WORKS.** Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.				
D	**REMOVAL OF RUBBISH ETC.** Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.				
E	**WORKS TO BE DELIVERED UP CLEAN** 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				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**GENERAL SPECIFICATION.** For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads 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.				
B	**TRAINING LEVY** The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.				
C	**MATERIALS ON SITE** 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**PRICING OF ITEMS OF PRELIMINARIES** Items described in this section cover the minimum requirements and conditions necessary for the full and proper execution of the contract. The tenderer is required to read and fully understand his obligations under each item and thus asses his costs for complying with the same for the duration of the contract. Should no price be inserted against any item, it shall be assumed that the tenderer has covered any costs associated with that item elsewhere in the Bills of quantities and shall nevertheless be required to comply with such and all items of preliminaries.				
B	**TENDER VALIDITY** The attention of the Tenderers is drawn to clause 3.6 and 3.8 of Conditions of Contract on validity of tender and Tender Security.				
C	**VALUE ADDED TAX (VAT) AND OTHER TAXES** All prices will be inclusive of all statutory taxes and levies, including VAT, necessary for the complete and proper execution of that particular item of the works including compying with all statutory requirements. The amount of VAT payable will be deducted from every payment certified by the Project Manager and paid directly to the Commissioner of VAT.				
D	**SCOPE OF CONTRACT** The work to be carried out under this contract comprises of ***RENOVATION AND EXTENSION OF LAMU ISLAND MARKET*** builder's work for the **Lamu Municipality and Department of Trade** as described in these Bills of Quantities and in accordance with the contract drawings and any other drawings which may be issued in amplification thereof.				
E	**DESCRIPTION OF THE WORKS** The work comprises demolitions; sub-structures; super-structures; doors; windows; finishes; electrical, civil and mechanical works.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES 'ctd**				
A	**FLOOR AREAS** The total gross floor area of new the new market space is 1,304 Square Metres. The floor area is measured wall to wall and is given without warranty but for guidance only.				
B	**LOCATION OF SITE** The site for the works is located in **Lamu Island a UNESCO world heritage site**. The tenderer shall be deemed to have visited the site and familiarised himself with all site conditions prior to submission of tenders.				
C	**EXISTING BUILDINGS** Special precautions shall be required throughout the contract period to avoid damage to the existing structures, roads, lawns, cables, drains and other services. The Contractor shall allow for making good any damage arising from his actions during execution of this contract at his own expense.				
D	**GENERAL** The contractor is referred to the General Specifications for Building Works 1976 Edition and must allow for all costs in complying with these specifications.				
E	**CONTRACT COMPLETION PERIOD** 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.				
	CARRIED TO GENERAL PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **GENERAL PRELIMINARIES** **SUMMARY** Brought forward from page 2 Brought forward from page 3 Brought forward from page 4 Brought forward from page 5 Brought forward from page 6 Brought forward from page 7 Brought forward from page 8 Brought forward from page 9 Brought forward from page 10 Brought forward from page 11 Brought forward from page 12 Brought forward from page 13 Brought forward from page 14 Brought forward from page 15 Brought forward from page 16 Brought forward from page 17				
	CARRIED TO PRELIMINARIES COLLECTION				

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

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**PRICING OF ITEMS OF PRELIMINARIES** 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 cpntractor 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.				
B	**DESCRIPTION OF THE WORKS AND SCOPE OF CONTRACT** The work comprises demolitions; sub-structures; super-structures; doors; windows; finishes; electrical, civil and mechanical works.				
C	**MEASUREMENTS** 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.				
D	**LOCATION OF SITE** The site of the proposed works is at **Lamu Island Market next to the Lamu Fort**. 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.				
E	**CLEARING AWAY** The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused works and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**CLAIMS** It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and/or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such 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.				
B	**PAYMENTS** 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.				
C	**LABOUR CAMPS** 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.				
D	**FIRM PRICE CONTRACT** 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.				
E	**PRICING RATES** 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 Quantitties**				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**SECURITY** 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.				
B	**URGENCY OF THE WORKS** The Contractor is notified that these "works are urgent" and should be completed within the period stated in these Particular Preliminaries. The Contractor should allow for any costs he may incur by having to complete the works within the stipulated contract period.				
C	**PAYMENT FOR MATERIALS ON SITE** All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.				
D	**PRICING OF PRELIMINARIES** The tenderer *may choose not to price items covered in these preliminaries, this has been factored as a provisional sum, which the successful tenderer shall price for upon signing a contract.* ***However if the tenderer chooses to price for these preliminaries, the provisional sum indicated in Section 4 shall be replaced with the total amount priced in these preliminaries.***				
E	**ADJOINING PROPERTY** 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.				
F	**USE OF SITE** 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				
G	**SIGN BOARD** 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.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**QUALITY OF THE WORKS** 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. Incase 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.				
B	**BID SECURITY** 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.**				
C	**WATER FOR THE WORKS** The contractor is to make his arrangements for the provision of water for the works in the course of execution of this contract.				
D	**EXISTING SERVICES** Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**PREVENTION OF ACCIDENT, DAMAGE OR LOSS** 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.				
B	**FORM OF CONTRACT** The form of contract will be the Republic of Kenya Standard Tender Document for Procurement of Works (2006 Edition)				
C	**PERFORMANCE BOND** 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.				
D	**DELIVERY OF TENDER** 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.				
E	**CORRECTION OF ERRORS IN TENDER** 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.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**VIEWING OF DRAWINGS** 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**				
B	**STANDARD FORMS** Any tender with standard forms not filled as *appropriate will be treated as non-responsive.*				
C	**VAT DEDUCTIONS** 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.				
D	**OFFICE FOR THE "PROJECT MANAGER"** 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 provideday and night security. He shall also provide and maintain adequate access and parking acceptable to the PROJECT MANAGER.				
E	**TELEPHONE** 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.				
F	**HOARDING** Hoarding shall be erected as necessary				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**PROGRAMME PROGRESS CHART** 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".				
B	**PERFORMANCE SECURITY (BOND)** The Contractor should note that the Performance Security to be provided must be inform of a bank guarantee in the amount of 2% of the Contract Sum. The form to be signed is M.O.W. 118 or any other format acceptable to the Employer.				
C	**PAYMENTS TO DOMESTIC SUBCONTRACTORS** 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.				
D	**APPENDICES** 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.				
E	**SUFFICIENCY OF TENDER** 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.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**GENERAL SPECIFICATIONS** 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.				
B	**TRAINING LEVY** The Contractor's attention is drawn to Legal Notice No. 237 of October 1971 which requires payment by the Contractor of a Training levy at the rate of 1/4 % of the Contract Sum on all Contracts of more than Kshs. 50,000.00 in value.				
C	**MATERIALS ON SITE** 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.				
D	**SECURITY AND ACCESS TO THE SITE** The Contractor must include in his tender for all necessary expenditure incurred in complying with the security regulations of the **County of Lamu**, especially in relation to entry and exit from the site of the works and movement within the site.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES 'CTD**				
A	**SECURITY** 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. Where personnel are not approved, the Contractor shall be responsible at his own expense for obtaining and employing suitable and approved personnel. The Contractor shall be responsible for ensuring that all matters including drawings, letters and documentation relating to the project are dealt with confidentiality. He will be expected to post notices on site instructing his employees to treat all matters relating to the project as confidential.				
B	**NUISANCE** 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.				
	CARRIED TO PARTICULAR PRELIMINARIES COLLECTION				
	SECTION 1 **PRELIMINARIES** **PARTICULAR PRELIMINARIES** **SUMMARY** Brought forward from page 19 Brought forward from page 20 Brought forward from page 21 Brought forward from page 22 Brought forward from page 23 Brought forward from page 24 Brought forward from page 25 Brought forward from page 26 Brought forward from page 27 Brought down from above				
	CARRIED TO PRELIMINARIES COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 1 **PRELIMINARIES** **SUMMARY** Brought forward from page 18 Brought forward from page 28				
	TOTAL PRELIMINARIES CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 1 **DEMOLITIONS** **(ALL PROVISIONAL)**				
	Pricing Notes **Tenderers are strongly advised to read the following notes before pricing this section.** **Any querry should be referred to the Architect**				
1	Rates shall include the following in addtion to what is described in the particular item: (a) Making good i.e. reinstatement of any finishes and structures affected by the demolition work to the original state where the finishes are not being changed all together (b) Clearing debris with speed on a daily basis as they arise, cleaning of affected surfaces as necessary and removal of debris from site to approved dumping sites. Accumulation of debris within the site shall not be allowed				
2	All work shall be carefully executed with the particular aim of preserving the items being removed and minimizing damages to adjacent finishes, structures or components including providing all necessary support to the remaining part of work (walls, roofs etc).				
3	Amounts quoted for removing components shall be deemed to be inclusive of cleaning, handling, storage on site, and disposing as directed				
4	**DEMOLITIONS** Amounts quoted should include for any temporary support to adjacent areas while carrying out demolition work as directed by the Architect				
5	Any demolition of walls must be inspected and physically approved by the Structural Engineer. The cutting or demolition of any concrete works is stricty not allowed without the authority of the Structural Engineer				
	CARRIED TO DEMOLITIONS COLLECTION				-

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 1 **DEMOLITIONS 'CTD** **(ALL PROVISIONAL)**				
	DEMOLITIONS 'CTD				
1	Doors, windows and all fixtures should be cleaned and handed over to the Client. All other materials, components and fittings arising from the demolitions work shall also be handed over to the client unless otherwise directed				
	Demolish roof				
A	Take down the existing canvas roof covering approx 4000mm above ground complete with its steel structural members and keep / dispose off as directed by the Architect **(Roof covering approximately 300 square metres)**		ITEM		
B	Carefully takedown existing clay roofing tiles approx 4000mm above ground complete with its timber truss members i.e. rafters, purlins, batterns and the like and keep / dispose off as directed by the Architect **(Roof covering approximately 577 square metres)**		ITEM		
	Demolish Beams				
C	Carefully demolish existing 200 x 450mm high reinforced concrete beams	278	LM		
	Demolish Columns				
D	Carefully demolish existing 640 x 440 x 4000mm high reinforced concrete columns to expose reinforcement to allow for connecting of new columns and cart away debris as directed by the Project Manager **(Approximately 56No.)**		ITEM		
	Walls				
E	Carefully takedown 450mm thick blockwork stone walling	295	SM		
F	Carefully takedown existing 200mm thick masonry stone walling bedded on cement sand mortar 1:3	618	SM		
G	Carefully hack surfaces of external walls and prepare surface to receive stone cladding	93	SM		
	CARRIED TO DEMOLITIONS COLLECTION				

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 1 **DEMOLITIONS 'CTD**				
	Floors				
A	Carefully hack existing cement and sand floor screed and prepare surface to receive new floor finish	679	SM		
B	Carefully takedown existing vibrated reinforced concrete class 20	88	CM		
	Doors				
C	Carefully remove existing 1800 x 2000mm high swahili doors with 1800mm diameter archtop and store as directed by the Project Manager	10	NO		
D	Ditto but size 900 x 2000mm high	5	NO		
	Windows				
E	Carefully remove existing 1750 x 1800mm timber windows	25	NO		
F	Carefully remove existing 1800 x 600mm steel windows	27	NO		
	CARRIED TO DEMOLITIONS COLLECTION BELOW				
	SECTION 2 **BUILDER'S WORK** **ELEMENT NO. 1** **DEMOLITIONS** **COLLECTION** BROUGHT FORWARD FROM PAGE 30 BROUGHT FORWARD FROM PAGE 31 BROUGHT DOWN FROM ABOVE				
	TOTAL FOR ELEMENT NO. 1 (DEMOLITIONS) **CARRIED TO BUILDER'S WORK SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 2 **SUB-STRUCTURES**				
	Excavation				
A	Excavate in existing ground from ground level n.e 1.5m deep	212	CM		
	Hardcore				
B	300mm approved hardcore filling laid in layers of 150mm	33	SM		
C	50mm Thick quarry dust blinding to laid on top of hardcore	33	SM		
	Planking and strutting				
D	Allow for supporting of sides of above excavated ground to prevent caving in		ITEM		
	Plain Concrete 1:3:6 - 40mm Aggregate in:-				
E	50mm thick blinding under column bases	97	SM		
F	50mm thick blinding under foundation strip	45	SM		
	Vibrated Reinforced Concrete Class 25/20 Aggregate in:-				
G	Column bases	30	CM		
H	Foundation columns	10	CM		
I	Foundation strip	3	CM		
J	Ground Beam	7	CM		
K	Staircase at entrance	15	CM		
L	200mm Thick ramp and entrance lobby	33	SM		
	Reinforcement, as described:-[Provisional]				
	T reinforcement bars				
M	8mm diameter bars	553	KG		
N	10mm diameter bars	591	KG		
O	12mm diameter bars	2213	KG		
P	Fabric mesh reinforcement to BS 1483 type A142	33	SM		
	Sawn timber formwork to:-				
Q	Sides of column bases	90	SM		
R	Sides of foundation columns	141	SM		
S	Sides of ground beam	67	SM		
T	Edges of foundation strip - bed 150 to 225mm high	48	LM		
U	Edges of staircase and ramp - bed 150 to 225mm high	97	LM		
	Natural stone walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:				
A	200mm Thick foundation walling	111	SM		
	TOTAL FOR ELEMENT NO. 2 (SUB-STRUCTURES) CARRIED TO BUILDER'S WORK SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 3 **REINFORCED CONCRETE FRAME**				
	Vibrated Reinforced Concrete Class 25/20 Aggregate in:-				
A	Columns	39	CM		
B	Beams	83	CM		
C	Staircases	3	CM		
D	Curved arches	18	CM		
E	150mm staircase string	16	SM		
F	150mm Thick landing	16	SM		
G	150mm Thick suspended slab	1391	SM		
H	150mm Thick ramp	50	SM		
I	150mm Thick dome laid 10 metres above ground level	86	SM		
	Reinforcement, as described:-[Provisional] **T reinforcement bars**				
J	8mm diameter bars	9406	KG		
K	10mm diameter bars	8880	KG		
L	12mm diameter bars	5748	KG		
M	16mm diameter bars	4578	KG		
	Sawn timber formwork at height 3500 to 5000mm unless stated otherwise to:-				
N	Sides of columns	563	SM		
O	Sides and soffites of beams	814	SM		
P	Soffites of suspended landings	16	SM		
Q	Soffites of suspended slab	1391	SM		
R	Soffies of curved dome at height 6500 to 8000mm	86	SM		
S	Sides and soffites of curved arches	243	SM		
T	Soffites of staircase sloping over 27 degrees from horizontal	16	SM		
U	Edges of suspended slab ; 75 - 150mm girth	492	LM		
V	Edges of staircase riser ; 150 - 225mm girth	48	LM		
W	Edges of open staircase string 300mm (extreme) girth including forming to profile of risers and treads	24	LM		
	TOTAL FOR ELEMENT NO. 3 (R.C FRAME) **CARRIED TO BUILDER'S WORK SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 4 **WALLING**				
	Natural hard approved fine chisel dressed quarry stone walling from approved quarry with a crushing strength of 7.5 N/mm² bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:				
A	200mm Thick walling externally	411	SM		
	Natural hard approved fine chisel dressed quarry stone walling from approved quarry with a crushing strength of 5.0 N/mm² bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:				
B	200mm Thick walling internally	658	SM		
C	150mm Thick walling internally	83	SM		
D	Extra Over for fair curved cutting of 200mm thick wall to form archtop	303	LM		
	TOTAL FOR ELEMENT NO. 4 (WALLING) **CARRIED TO BUILDER'S WORK SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 5 **ROOFING** **(ALL PROVISIONAL)**				
	3mm Thick clear corrugated profiled polycarbonate UV sheet roofing as heavy duty fixed onto roof truss members measured separately all in accordance with Structural Engineer's specifications				
A	Roof covering not exceeding 45 degrees from the horizontal including all necessary fixtures	252	SM		
B	Ridge or hip cap to match	86	LM		
	50mm Thick 400x250mm wide at 3.1Kg per unit interlocking clay roofing tiles laid on underlay (measured separately) onto roof truss members measured separately all in accordance with Structural Engineer's specifications				
C	Roof covering not exceeding 45 degrees from the horizontal including all necessary fixtures	257	SM		
	The following roof members bolted joint connections including hoisting and fixing in position ; maximum height 7.5 - 10.0metres from ground floor level				
	In sawn treated cypress grade 2				
D	100 x 50mm wall plate including 200mm long 12mm diameter rag bolts cast into beams at 1200mm c/c	245	LM		
E	150 x 50mm common rafters	447	LM		
F	100 x 50mm common rafters	416	LM		
G	100 x 50mm underpurlins	81	LM		
H	75 x 50mm battens	1203	LM		
I	200 x 50mm fascia board	186	LM		
	CARRIED TO ROOFING COLLECTION				

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 5 **ROOFING 'CTD** **(ALL PROVISIONAL)**				
	Underlay				
A	30 Gauge mini-corrugation laid on roof truss to receive interlocking clay tiles	257	SM		
	UPVC down pipes and fittings				
B	160mm diameter downpipe fixed with and including PVC holders plugged and screwed to walls / concrete	72	LM		
C	Extra over down pipe for 100x100mm swan neck bend	10	NO		
D	Ditto for 100x100mm shoe	10	NO		
	CARRIED TO ROOFING COLLECTION BELOW				
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 5 **ROOFING**				
	COLLECTION				
	BROUGHT FORWARD FROM PAGE 36				
	BROUGHT DOWN FROM ABOVE				
	TOTAL FOR ELEMENT NO. 5 (ROOFING) **CARRIED TO BUILDER'S WORK SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 6 **WINDOWS**				
	Suppy 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				
A	Opening size 4000 x 8000mm with archtop	1	NO		
B	Opening size 2000 x 3000mm with archtop	25	NO		
C	Opening size 2000 x 3000mm with archtop but fixed with plastic mosquito proofing	17	NO		
D	Opening size 1800 x 1500mm with archtop	11	NO		
E	Window size 1200 x 1400mm rectangular	8	NO		
	Wrot Cypress				
F	150 x 50mm window frame plugged to wall / concrete	164	LM		
G	16mm diameter mild steel rod horizontal burglarproofing bars	238	LM		
H	Plastic mosquito proofing fixed to window frame	43	SM		
I	25 x 50mm beading	164	LM		
	TOTAL FOR ELEMENT NO. 6 (WINDOWS) **CARRIED TO BUILDER'S WORK SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 7 **DOORS**				
	Supply and fix the following purpose-made; Harwood timber door as "Lamu door" with profiles complete with accessories as per Architect's detail and approved samples				
A	Double leaf single swing door overall size 1800 x 2000mm; with 1800mm diameter archtop	1	NO		
	Flush semi-solid timber doors				
B	50mm Thick door size 900 x 2400mm (plwood finished for painting)	12	NO		
C	50mm Thick double leaf single swing door overall size 1800 x 2400mm; with 1800mm diameter archtop	10	NO		
	In Wrot cypress or equal and approved				
C	150x50mm door frames lining with rounded edges	164	LM		
D	75x25mm architrave with two labors, plugged	164	LM		
E	25mm diameter quadrant with one no. bevelled edge	164	LM		
	Take delivery and fix only the following ironmongery with matching screws				
F	100mm brass butt hinges	22	NO		
G	2 Lever Mortice lock as Union or equal and approved	22	NO		
H	Rubber door stop plugged to concrete floor terrazzo floor finish	32	NO		
	Prepare and apply one coat pinotex stain and two coats polyurethane clear matt varnish to woodwork				
I	General surfaces	112	SM		
J	Surfaces over 225mm but not exceeding 300mm girth	164	LM		
K	Surfaces over 150mm but not exceeding 225mm girth	164	LM		
	TOTAL FOR ELEMENT NO. 7 (DOORS) **CARRIED TO SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 8 **FINISHES**				
	Floor finish				
	Cement sand (1:3) screed paving				
A	32mm Thick trowelled hard and smooth laid to cross falls	1304	SM		
B	Ditto skirting 100mm high	136	LM		
	Wall finishes				
	Plaster				
C	12mm (minimum) two coat cement sand lime plaster to masonry surfaces	2401	SM		
	Painting				
D	Prepare and apply three coats first quality emulsion paint on surfaces of plastered walls	2401	SM		
	Concrete surfaces				
	Plaster				
E	12mm (minimum) two coat cement sand lime plaster to sides of beams and columns	740	SM		
	Painting				
F	Prepare and apply three coats first quality emulsion paint on surfaces of plastered beams and columns	740	SM		
	Crenalations				
G	Allow for the formation of crenalation on 200mm thick	110	LM		
	Stone cladding to surfaces of external walls on ground floor				
H	30mm Thick coral stone cladding laid in cement and sand (1:3) mortar	186	SM		
	Ceiling finishes				
	Plaster				
I	12mm (minimum) two coat cement sand lime plaster to soffites	1391	SM		
	Painting				
J	Prepare and apply three coats first quality emulsion paint on soffites of suspended slab ; height 3500 - 5000mm	1391	SM		
	CARRIED TO FINISHES COLLECTION				

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	SECTION 2 **BUILDER'S WORK**				
	ELEMENT NO. 8 **FINISHES 'CTD**				
	Roof finishes				
	Sika 1 waterproofed cement and sand (1:3) screeds, backings etc				
A	32mm bed finished to cross levels	799	SM		
B	Ditto skirting 100mm high	264	LM		
C	38mm Thick terrazo paving laid in 24mm thick cement sand backing and 15mm thick terrazo layer laid to cross falls	100	SM		
D	Ditto skirting 100mm high	35	LM		
	Staircase and balconies **In wrot mvule**				
E	100 x 75mm bottom rail with 4No. Labours fixed to timber balusters (m.s)	186	LM		
F	75 x 50mm hand rail with 4No. Labours fixed to timber balusters (m.s)	186	LM		
G	100 x 75mm moulded balusters to detail 950mm high with 4No. Labours	271	NO		
H	50 x 50mm bracings fixed to intersection of balusters and handrail/bottom rail	352	LM		
	Painting				
I	Prepare and apply three coats of polyurethane varnish to timber surfaces	307	SM		
	CARRIED TO FINISHES COLLECTION BELOW				
	SECTION 2 **BUILDER'S WORK** **ELEMENT NO. 8** **FINISHES** **COLLECTION** BROUGHT FORWARD FROM PAGE 40 BROUGHT DOWN FROM ABOVE				
	TOTAL FOR ELEMENT NO. 8 (FINISHES) **CARRIED TO BUILDER'S WORK SUMMARY**				

ITEM	DESCRIPTION	PAGE		AMOUNT
	SECTION 2 **BUILDER'S WORK** **SUMMARY**			
1	DEMOLITIONS	32		
2	SUB-STRUCTURES	33		
3	REINFORCED CONCRETE FRAME	34		
4	WALLING	35		
5	ROOFING	37		
6	WINDOWS	38		
7	DOORS	39		
8	FINISHES	41		
	BUILDER'S WORK TOTAL CARRIED TO GRAND SUMMARY			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **GROUND FLOOR AREA**				
	POWER DISTRIBUTION **CABLE CONDUITS**				
A	32mm dia PVC high grade concealed	100	LM		
B	32mm dia PVC high grade concealed	250	LM		
	Conduit accessories comprising of ; i. End caps ii. Corner bends				
	SWITCHBOARDS				
C	12 way TPN distribution board complete with 200A TP mainswitch, 200A TPN Busbar, and Earthing point as manufactured by CRABTREE without MCBs as Crabtree loadstar (for raw power)	1	NO		
D	12 way SPN CU with 100A TP mainswitch as manufactured by CRABTREE without MCBs as Crabtree loadstar for ground floor	2	NO		
E	4 way SPN CU with 63A TP mainswitch as manufactured by CRABTREE without MCBs as Crabtree loadstar for stalls	1	NO		
F	1.5M by 1.5M metal made meter box enclossure with double door for KPLC meters	1	NO		
G	KPLC Single phase prepaid meters complete with cut outs	16	NO		
	MINIATURE CIRCUIT BREAKERS				
H	10A SP MCB as Crabtree	16	LM		
I	32A SP MCB as Crabtree	16	LM		
J	63A SP MCB as Crabtree	16	LM		
K	Blanking plate for spare way	9	LM		
L	100A TP MCCB as Crabtree	6	LM		
M	200A TP MCCB as Crabtree	1	LM		
	CARRIED TO ELECTRICAL INSTALLATION GROUND FLOOR COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **GROUND FLOOR AREA 'CTD**				
	Final sub-circuits from distribution board in cable, floor duct/conduit and/or trunking installation comprising concealed 2.5mm2 PVC insulated copper cables, 2.5 mm2 copper earthing cable including accessories and fittings				
A	2x4mm2 + 4mm2 to 20 Amp DP switch as Crabtree, mounted at 1400mm AFFL on the wall to hand dryer and, AC indoor units and toilet extract fans	2	NO		
	Fittings				
B	13 Amp switched twin socket outlet (standard for raw power) as Crabtree or equal and approved, mounted on the wall	37	NO		
C	13 Amp switched single socket outlet (standard for raw power) as Crabtree or equal and approved, mounted on the wall	5	NO		
D	3-Core 25mm2 PVC/SWA/PVC cable from LV Board to the 2 Cus and 4 meter boxes	100	LM		
E	10A photocell control unit complete with its housing	1	NO		
	EARTHING AND TESTING				
F	Check and make good the earthing and bonding system to the installation as per IEE regulations	1	ITEM		
G	Allow for testing the whole of the new installation	1	ITEM		
	Final sub-circuits from distribution board in a cable and conduit/channel installation comprising concealed heavy gauge PVC conduit, 1.5 mm2 PVC insulated copper cables, 1.5 mm2 copper earthing cable including all accessories and fittings.				
H	Lighting point both 1 and 2 way	74	NO		
I	10 Amp one gang one way switch as Crabtree	5	NO		
J	10 Amp one gang two way switch as Crabtree	11	NO		
K	10 Amp two gang two way switch as Crabtree	4	NO		
L	10 Amp one gang intermediate switch as Crabtree	2	NO		
M	10A photocell complete with mounting brackets as Thorn QPK	1	NO		
	CARRIED TO ELECTRICAL INSTALLATION GROUND FLOOR COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **GROUND FLOOR AREA 'CTD**				
	LIGHTING FITTINGS				
A	Type 'D1': 600mm 1x18W ELECTRONIC BALLAST louvred fluorescent fitting as Pierlite or equal and approved equivalent	23	NO		
B	Type 'D2': 1200mm 1x36W ELECTRONIC BALLAST louvred fluorescent fitting as Pierlite or equal and approved equivalent	22	NO		
C	Type 'D3': 1200mm 2x36W ELECTRONIC BALLAST louvred fluorescent fitting as Pierlite or equal and approved equivalent	10	NO		
D	Type 'S1': Security Light as Alumunium bulkheaed with glass cover	19	NO		
	CARRIED TO ELECTRICAL INSTALLATION GROUND FLOOR COLLECTION				
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **GROUND FLOOR AREA 'CTD** **COLLECTION** BROUGHT FORWARD FROM PAGE 43 BROUGHT FORWARD FROM PAGE 44 BROUGHT DOWN FROM ABOVE				
	TOTAL FOR ELEMENT 1 (GROUND FLOOR AREA) **CARRIED TO ELECTRICAL INSTALLATIONS SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 2** **FIRST FLOOR AREA**				
	POWER DISTRIBUTION **CABLE CONDUITS**				
A	32mm dia PVC high grade concealed	150	LM		
B	32mm dia PVC high grade concealed	250	LM		
	Conduit accessories comprising of ; i. End caps ii. Corner bends				
	SWITCHBOARDS				
C	12 way TPN distribution board complete with 200A TP mainswitch, 200A TPN Busbar, and Earthing point as manufactured by CRABTREE without MCBs as Crabtree loadstar (for raw power)	0	NO		
D	12 way SPN CU with 100A TP mainswitch as manufactured by CRABTREE without MCBs as Crabtree loadstar for ground floor	0	NO		
E	4 way SPN CU with 63A TP mainswitch as manufactured by CRABTREE without MCBs as Crabtree loadstar for stalls	30	NO		
F	1.5M by 1.5M metal made meter box enclossure with double door for KPLC meters	3	NO		
G	KPLC Single phase prepaid meters complete with cut outs	30	NO		
	MINIATURE CIRCUIT BREAKERS				
H	10A SP MCB as Crabtree	30	LM		
I	32A SP MCB as Crabtree	30	LM		
J	63A SP MCB as Crabtree	30	LM		
K	Blanking plate for spare way	9	LM		
L	100A TP MCCB as Crabtree	3	LM		
M	200A TP MCCB as Crabtree	0	LM		
	CARRIED TO ELECTRICAL INSTALLATION FIRST FLOOR COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **FIRST FLOOR AREA**				
	Final sub-circuits from distribution board in cable, floor duct/conduit and/or trunking installation comprising concealed 2.5mm2 PVC insulated copper cables, 2.5 mm2 copper earthing cable including accessories and fittings				
A	13 Amp switched socket outlet	35	NO		
B	2x4mm2 + 4mm2 to 20 Amp DP switch as Crabtree, mounted at 1400mm AFFL on the wall to hand dryer and, AC indoor units and toilet extract fans	1	NO		
C	2x4mm2 + 4mm2 to 20 Amp DP switch as Crabtree, for AC outdoor units	1	NO		
	Fittings				
D	13 Amp switched twin socket outlet (standard for raw power) as Crabtree or equal and approved, mounted on the wall	16	NO		
E	13 Amp switched single socket outlet (standard for raw power) as Crabtree or equal and approved, mounted on the wall	19	NO		
F	Double pole switch	1	NO		
G	3-Core 25mm2 PVC/SWA/PVC cable from DB to Cus	140	LM		
H	10A photocell control unit complete with its housing	0	NO		
	EARTHING AND TESTING				
I	Check and make good the earthing and bonding system to the installation as per IEE regulations	1	ITEM		
J	Allow for testing the whole of the new installation	1	ITEM		
	Final sub-circuits from distribution board in a cable and conduit/channel installation comprising concealed heavy gauge PVC conduit, 1.5 mm2 PVC insulated copper cables, 1.5 mm2 copper earthing cable including all accessories and fittings.				
K	Lighting point both 1 and 2 way	75	NO		
L	10 Amp one gang one way switch as Crabtree	35	NO		
M	10 Amp one gang two way switch as Crabtree	7	NO		
N	10 Amp two gang one way switch as Crabtree	1	NO		
O	10 Amp one gang intermediate switch as Crabtree	3	NO		
P	10A photocell complete with mounting brackets as Thorn QPK	0	NO		
	CARRIED TO ELECTRICAL INSTALLATION FIRST FLOOR COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **FIRST FLOOR AREA**				
	LIGHTING FITTINGS				
A	Type 'D1': 600mm 1x18W ELECTRONIC BALLAST louvred fluorescent fitting as Pierlite or equal and approved equivalent	20	NO		
B	Type 'D2': 1200mm 1x36W ELECTRONIC BALLAST louvred fluorescent fitting as Pierlite or equal and approved equivalent	18	NO		
C	Type 'D3': 1200mm 2x36W ELECTRONIC BALLAST louvred fluorescent fitting as Pierlite or equal and approved equivalent	22	NO		
D	Type 'S1': Security Light as Alumunium bulkheaed with glass cover	18	NO		
	CARRIED TO ELECTRICAL INSTALLATION FIRST FLOOR COLLECTION				
	SECTION 3 **ELECTRICAL INSTALLATIONS** **ELEMENT 1** **FIRST FLOOR AREA** **COLLECTION** BROUGHT FORWARD FROM PAGE 46 BROUGHT FORWARD FROM PAGE 47 BROUGHT DOWN FROM ABOVE				
	TOTAL FOR ELEMENT 1 (FIRST FLOOR AREA) **CARRIED TO ELECTRICAL INSTALLATIONS SUMMARY**				

ITEM	DESCRIPTION	PAGE		AMOUNT
	SECTION 3 **ELECTRICAL INSTALLATIONS** **SUMMARY**			
1	**GROUND FLOOR AREA**	**45**		
2	**FIRST FLOOR AREA**	**48**		
	ELECTRICAL INSTALLATIONS TOTAL CARRIED TO GRAND SUMMARY			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SECTION 4 **PRIME COST AND PROVISIONAL SUMS**				
	PRIME COST SUMS				
A	Allow a Prime Cost Sum of Kenya Shillings **Two Million (KES 2,000,000)** only for *Mechanical Installations and works*		ITEM		
	Allow for Profit and Attendance		%		
	PROVISIONAL SUMS				
B	Allow a provisional sum of **Kenya Shillings Six Hundred Thousand (KES 600,000)** only for *Supply and fixing of Lamu Design Doors*				
C	Allow a provisional sum of **Kenya Shillings Two Million (KES 2,000,000)** only for *Joinery works and foldable doors in first floor*				
D	Allow a provisional sum of **Kenya Shillings Nine Hundred Thousand (KES 900,000)** only for Supply and fixing of Hammer post; beam and brace				
E	Allow a provisional sum of **Kenya Shillings Two Million, Two Hundred Thousand (KES 2,200,000)** only for *Purchase of Boat complete with equipment to be handed over to Lamu Municipality upon completion of the project*				
F	Allow a Provisional Sum of **Kenya Shillings One Million (KES 1,000,000)** only for *Preliminaries*				
G	Allow a Provisional Sum of **Kenya Shillings One Million, Three Hundred Thousand (KES 1,300,000)** only for *Contingencies*				
	PC AND PROVISIONAL SUMS TOTAL CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	PAGE		AMOUNT
	GRAND SUMMARY			
A	**BUILDER'S WORK**	**42**		
B	**ELECTRICAL INSTALLATIONS**	**49**		
C	**SUB-TOTAL 1**			
D	ADD 16% VAT			
E	**SUB-TOTAL 2**			
F	**PC AND PROVISIONAL SUMS**	**50**		
	GRAND TOTAL CARRIED TO FORM OF TENDER			

TENDER AMOUNT IN WORDS

……

……

Contractor……

Address……..

Signature……..

Date……

Witness……

Address……

Signature……..

Date……