



County Government of Kisumu
City of Kisumu
Kenya Urban Support Programme (KUSP)

**INVITATION FOR BIDS FOR IMPROVEMENT WORKS AT
KIBUYE MARKET PHASE 1**

**NATIONAL COMPETITIVE BIDDING (NCB) NO: CGK/COK/KUSP/W/2019-
2020/04**

VOLUME II

[AUGUST, 2020]

**BILLS OF QUANTITIES
& STANDARD METHOD OF MEASUREMENTS**



CITY OF KISUMU

(PHASE 1).

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CITY OF KISUMU

TENDER DOCUMENTS

Prepared by:

Issued by:-

**City Engineer
P.O. BOX 105-40100
KISUMU**

**THE CITY MANAGER
CITY OF KISUMU
P.O. BOX 105-40100
KISUMU**

The contract for the above mentioned works entered into this..... day of 2015 by the undersigned refers to these Tender Document and General Specification from Public Procurement Oversight Authority(PPOA) standard tender document (together with any amendments issued thereto) which shall be read and construed as part of

.....
CONTRACTOR

.....
**THE CITY MANAGER
CITY OF KISUMU.**

Date:

Date:

.....
WITNESS

.....
WITNESS

Date:

Date:

SPECIAL NOTES

The Contractor is required to check the numbers of the pages of these Tender Documents and should he find any missing or in duplicate or figures indistinct he must inform the City Manager , City of Kisumu at once and have the same rectified.

Should the Contractor be in doubt about the precise meaning of any item or figure for any reason whatsoever, he must inform The City Manager, City of Kisumu in order that the correct meaning may be decided before the date for submission of tenders.

No liability will be admitted nor claim allowed in respect of errors in the Contractor's Tender due to mistakes in the Specification which should have been rectified in the manner described above.

PREAMBLES AND PRICING NOTES

A. GENERALLY

All work to be carried out in accordance with the Ministry of Roads, Public Works and Housing General

B. MANUFACTURERS' NAMES

Where manufacturers' name(s) and catalogue references are given, it is for guidance to quality and standard

C. WALLING

All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Walling of 200 mm thickness or under shall be reinforced with hoop iron (20 x 25mm wide) straps at every
Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and

D. CARPENTRY

The grading rules for cypress shall be the same as for podocarpus and all timber used for structural work shall
All structural timber must conform to the minimum requirements for moisture content and preservative
Prices must also include for all nails and fasteners. 6

E. JOINERY

Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya
Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the
Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and
Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc., must be ascertained on

A. IRONMONGERY

Ironmongery shall be as specified in the Bills of Quantities or equal and approved.
Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to
Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should

B. STRUCTURAL STEELWORK

All structural steelwork shall comply with the Ministry of Roads, Public Works and Housing "Structural
All structural steel to be coated with one coat of red oxide zinc chromate primer after fabrication

C. PLASTERWORK AND OTHER FINISHES

All finishing shall be as described in the general specifications and in these Bills of Quantities.

PREAMBLES

Prices for paving are to include for brushing concrete clean, wetting and coating with cement and sand grout

Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise

D. GLAZING

Where polished plate glass is specified, this refers to general glazing quality.

Prices for glazing shall include for priming of rebates before placing putty.

The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.

E. PAINTING

Painting shall be applied in accordance with the manufacturers' instructions.

Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	
1.1	<p>PRICING ITEMS FOR PRELIMINARIES Prices shall be inserted against items of 'preliminaries' in the tenderer's priced Bill of Quantities. The Contractor is advised to read and understand all preliminaries. Preliminary items not priced shall be deemed to have been included in the rates of items in the Bill of Quantities.</p>	-
1.2	<p>DESCRIPTION OF THE WORKS The works to be carried out under this contract comprise construction of 2 ablution blocks complete will all associated specialised services installations and external works. The total approximate built-up area is as follows:-</p> <p>01. Typical Ablution block – 80 S.M TOTAL 160.00 S.M</p> <p>The building structure is in reinforced concrete foundation with a pitched roof with timber truss members. Windows are generally heavy-duty steel casement sections infilled with clear. Doors are steel casement Louvered door framed externally and Semi Solid-core flush doors internally.</p> <p>Floor finishes is non-slip ceramic tiles to wet areas & offices Wall finishes are generally key pointed Externally. White ceramic wall tiles to internal wet areas. Ceiling finishes are moisture resistant gypsum. The external works includes paving to parking, planting, grassing, and other landscaping works. The Services installations include general electrical works & Plumbing, drainage,</p>	-
1.3	<p>MEASUREMENTS In the event of discrepancy between the Bill of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any Contract documents shall immediately be reported 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>	
1.4	<p>LOCATION OF THE SITE The site is located within Kisumu County.</p>	
1.5	<p>CLEARING AWAY The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate, upon completion of the works, remove, clear away all plants, equipment, rubbish, unused materials, stains and leave in a clean tidy state to the satisfaction of the Project Manager.</p> <p>The whole of the works shall be delivered up clean, complete, and perfect condition in every respect to the satisfaction of the Project Manager.</p>	
1.6	<p>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 within the Contract period. No claim shall be entertained upon the expiry of the said Contract period.</p>	
	Carried to Collection KSHS	-

ITEM	DESCRIPTION	
1.7	<p>PAYMENTS</p> <p>Payment will be done on monthly basis by the Project Manager on application by the Contactor. All payments shall be made by Client Department upon certification by the Project Manager. Subcontractors shall be paid through the Main Contractor. The Main Contractor must confirm that they have paid sub-contractors to be eligible for subsequent certificates.</p>	-
1.8	<p>PREVENTION OF ACCIDENTS, DAMAGE OR LOSS</p> <p>The Contractor is notified that the works are to be carried out on a fairly busy, high security conscious site where the Client is going on with other normal activities. He/she is therefore instructed to take reasonable care in the execution of the works so 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 expenses he deems necessary by taking such care within the site.</p>	-
1.9	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of execution of the works.</p>	
1.10	<p>SIGN BOARD.</p> <p>Allow for providing, erecting, maintaining throughout the Contract period and clearing afterwards a sign board as designed and approved by the Project Manager.</p>	
1.11	<p>LABOUR CAMPS</p> <p><i>The Contractor shall NOT be allowed to house his labourers on site. Allow also for transporting workers to and from site during the Contract Period as may be necessary.</i></p>	
1.12	<p>PROJECT MANAGER'S SITE OFFICE</p> <p>Allow for maintaining throughout the project period temporary site office size 8x10m long comprising 50x100mm cypress timber structure, flat roof covered with 30gauge corrugated iron sheets, 32gauge corrugated iron sheet clad walls, 100mm thick stet floor well compacted and finished smooth with cement and sand (1:3) screed, timber doors, windows and all necessary office furniture (15no. arm chairs, table, calendar, visitors and site instruction books). The Contractor shall also allow for the Project Manager use desktop computer complete with email connecting devices as well as provision for scratch cards and payment for email or internet connectivity expenses, stationery for the duration of the contract.</p>	
1.13	<p>PRICING NOTES</p> <p>The tenderer shall include for all cost in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>	
1.14	<p>SECURITY OF THE WORKS</p> <p>The Contractor shall allow for providing adequate security for the works and workers during the Contract. No claim will be entertained for lack of enough security in this respect.</p>	
1.15	<p>URGENCY OF THE WORKS</p> <p>The Contractor should note that these works are very urgent and must be completed within the agreed contract period.</p>	
	Carried to Collection KSHS	-

ITEM	DESCRIPTION	
1.16	<p>PAYMENT FOR MATERIALS ON SITE All materials for incorporation in the works must be in the site stores before they are considered for payment, unless specifically exempted by the Project Manager. This is to include materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	-
1.17	<p>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 and he/she shall make whatever provisions that may be required by the authority for support, maintenance and protection of such services.</p>	
1.18	<p><u>PHASED IMPLEMENTATION AND SECTIONAL COMPLETION</u></p> <p>The Client based on various factors may consider sectional completion or phased implementation of the works. The Contractor will be instructed by the Project Manager to abide by such directions to suit the requirements of the Employer.</p> <p>Tenderers are also notified that no contractual claims or increase in prices will be allowed due to any Phased implementation of the works</p> <p>The last of the contract works are however to be completed within the overall Contract Completion Period.</p>	
1.19	<p>PERFORMANCE BOND A performance bond in the form of unconditional bank guarantee required is 5% of the bid price. On award of contract, no payment on account for the works executed will be made to the Contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved bank.</p>	
1.2	<p>TENDER DOCUMENT Tender documents are listed in the Instruction to Tenderers and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents.</p> <p>Tenders will be opened at the time specified in the letter accompanying these documents. Tenders delivered or received later than the above time will not be opened.</p>	
1.21	<p>VALUE ADDED TAX The Contractor's attention is drawn to the attention that This Project is V.A.T Exempted and thus contractors must not include V.A.T their rates but Must add it only as a separate item as provided In the Main Summary Page.</p>	
1.22	<p>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 under this Proposal. The Conditions of Contract are also included herein (Conditions of Contract) Particulars of insertion to be made in the Appendix to the Contract Agreement will be found in Part No.1 Section II.</p>	
	Carried to Collection KSHS	-

ITEM	DESCRIPTION	
	COLLECTION Brought Forward from Page 2/1 Brought Forward from Page 2/2 Brought Forward from Page 2/3	- - -
	TOTAL FOR PART NO. 2 CARRIED TO MAIN SUMMARY KSHS	-

General Preliminaries			
ITEM	DESCRIPTION	KES	CTS
GENERAL PRELIMINARIES			
2.10	PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES		
	Prices shall be inserted against items of preliminaries in the Contractor's priced Bills of Quantities and Specifications.		
	The Contractor shall be deemed to have included in his prices or rates for various items in the Bills of Quantities of Specifications for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.		
	Throughout these bills, units of measurement and terms are abbreviated and shall be interpreted as follows		
2.20	CM Shall mean cubic metre		
	SM Shall mean square metre		
	LM Shall mean linear metre		
	MM Shall mean millimetre		
	KG Shall mean kilogram		
	NO Shall mean numbers		
	PRS Shall mean pairs		
	BS Shall mean the British Specification published by the British Standard Institution , 2 Park Street, London W.1 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 above described.		
	Carried to Collection		
	KSHS		

ITEM	DESCRIPTION	KES	CTS
<p>2.30</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 and shall be deemed to include: allowing use of standing scaffolding, mesh rooms, 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 the works; clearing away rubbish; unloading checking providing electric power and removing and replacing duct covers, pipe chasings and the like necessary for the execution and testing of Sub-Contractor's work and being responsible for the accuracy of the same.</p>		
<p>2.40</p>	<p>Fix Only; "Fix Only" Shall mean take delivery on site where necessary, distribute to position, hoist and fix only.</p>		
<p>2.50</p>	<p>THE EMPLOYER The term "Employer" and "Client" wherever used in the Contract Document shall be synonymous.</p>		
<p>2.60</p>	<p>PROJECT MANAGER The term "PM" wherever used in this Bills of Quantities shall be deemed to imply the Project Manager as defined in Conditions of Contract or such person or persons as may be duly authorized to represent him on behalf of the Employer. The Project Manager shall be deemed to mean "City Engineer"</p>		
	<p>Carried to Collection</p>		
	<p style="text-align: right;">KSHS</p>		

ITEM	DESCRIPTION	KES	CTS
<p>2.11 PLANT, TOOLS AND VEHICLES</p> <p>2.12 TRANSPORT</p> <p>2.13 MATERIALS AND WORKMANSHIP</p> <p>2.14 SIGN FOR MATERIALS SUPPLIED</p> <p>2.15 STORAGE OF MATERIALS</p> <p>2.16 SAMPLES</p>	<p>Allow for providing all scaffolding, plants, tools and vehicles required for the works except in so</p> <p>Allow for transport of workmen, materials, etc. to and from the site at such hours and by such routes as may be permitted by competent Authorities in liaison with the PROJECT MANAGER.</p> <p>All materials and workmanship used in the execution of the works 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 for materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purposes of ordering</p> <p>The Contractor shall be required to sign receipts for all articles and materials supplied by the Project Manager at the time of taking delivery thereof, as having received them in good order and condition, and will thereafter be responsible for any such loss or damage and for replacement of such any loss with articles and/or materials which shall be supplied by the Project Manager at the current market prices including Customs Duty and VAT, all at the Contractors own cost and expenses, to the satisfaction of the PROJECT MANAGER.</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER. NOMINATED SUB-CONTRACTORS are to be made liable for the cost of any storage accommodation provided specifically for their use.</p> <p>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. The PROJECT MANAGER may reject any materials or workmanship in his opinion not to the approved sample. The PROJECT MANAGER shall arrange for testing of such materials as he/she may at his/her 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 Ministry of Public Works</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be laid down by the PROJECT MANAGER. The Contractor shall allow in his tender for such samples and tests except for those in connection with nominated subcontractor's work.</p>		
	<p>Carried to Collection</p> <p style="text-align: right;">KSHS</p>		

ITEM	DESCRIPTION	KES	CTS
<p>2.17 GOVERNMENT ACT REGARDING WORK PEOPLE ETC.</p> <p>Allow for complying with Government Acts, order and Regulations in connection with the employment of Labor 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 of 1950 and the tenderer must include for all costs arising or resulting from compliance with any Act Order or Regulation relating to insurance, pensions, and holidays for work people or so the safety and welfare of the work people. The Contractor must make himself fully acquainted with current Acts and Regulations including police regulations regarding movements, housing, security and control of labor, labor camps, passes for transport etc. It is important that the Contractor before tendering obtain information regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labor etc: and allow accordingly in his tender. No claim shall be entertained for lack of knowledge in this respect.</p> <p>2.18 SECURITY OF WORKS, ETC.</p> <p>The Contractor shall be entirely responsible for the security of the works, materials, plant, personnel etc, both his own and subcontractor's and must provide all necessary watching, lighting and precautions necessary to ensure security against theft, loss or damage and the protection of the public.</p> <p>2.19 PUBLIC AND PRIVATE ROADS</p> <p>Maintain as required throughout the execution of the works and make good any damage to Public or Private roads arising from or subsequent upon the execution of the works to the satisfaction of the local and other competent authority and the Project Manager.</p> <p>2.20 EXISTING PROPERTY</p> <p>The Contractor shall take every precaution to avoid damage to existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damages arising from the execution of this Contract at his own expense at his own cost to the satisfaction of the Project Manager.</p>			
	<p>Carried to Collection</p> <p style="text-align: right;">KSHS</p>		

ITEM	DESCRIPTION	KES	CTS
<p>2.21 VISIT THE SITE AND EXAMINE DRAWINGS</p> <p>The Contractor is advised to examine the drawings and visit the site location of which is described in the Particular Preliminaries hereof in liaison with PROJECT MANAGER. He shall be deemed to have acquainted him/ herself 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 advice shall be entertained.</p> <p>2.22 ACCESS TO SITE AND TEMPORARY ROADS</p> <p>Means of accessing the site shall be agreed with the PROJECT MANAGER prior to commencement of the works and the Contractor must allow for building any necessary temporary access road for the transport of materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings or any other means of accessing the site. Upon completing the works, the Contractor shall remove temporary access roads, temporary culverts etc; and make good, reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER.</p> <p>2.23 AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for site office, storage and for the purpose of erecting workshops etc; shall be defined on site by the PROJECT MANAGER.</p>			
	<p>Carried to Collection</p> <p style="text-align: right;">KSHS</p>		

ITEM	DESCRIPTION	KES	CTS
<p>2.24</p>	<p>OFFICE FOR THE PROJECT MANAGER The Contractor shall erect and maintain where directed on site and afterwards dismantle the site office of the type noted in Particular Preliminaries, complete with furniture. He shall also provide strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including connections to the drain where applicable in conformity with Public Health Authorities and shall provide services of a cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to completion of the works and thereafter dismantle and make good disturbed surfaces. The office and the closet shall be erected before the contractor is permitted to commence the works. The Contractor shall make available on site as and when required by the PROJECT MANAGER a modern and accurate level together with leveling staff, ranging rods and 50 metre metallic or linen tape measure.</p>		
<p>2.25</p>	<p>WATER AND ELECTRICITY SUPPLY The Contractor shall provide at his own risk all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangement for connection to the nearest suitable water mains available and for metering the water used. He must also provide temporary water tank 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. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangement for augmenting this supply at his own cost.</p> <p>SANITATION The sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the PROJECT MANAGER.</p> <p>PRIME COST OR PC SUMS The term "Prime Cost or PC Sum" whenever used in these Bills of Quantities shall be expended upon the authority of the Project Manager.</p>		
	<p>Carried to Collection</p>	<p>KSHS</p>	

ITEM	DESCRIPTION	KES	CTS
2.26	<p>PROGRESS CHART</p> <p>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 Subcontractors; 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>		
2.27	<p>ADJUSTMENT OF PC SUMS</p> <p>In the final account, all P.C Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract Sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon 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 to the physical extent of the work executed (not pro-rata to the amount paid) and shall apply even though the Contractors Priced Bills shows a percentage in the rate column in respect of them.</p> <p>Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C Sum is included in the Bills of Quantities, profit and attendance will be allowed as it would be if the work were executed by a Nominated Sub-contractor.</p>		
2.28	<p>ADJUSTMENT OF PROVISIONAL SUMS</p> <p>In the final account all Provisional Sums shall be deducted and the amount properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such works shall be valued as described for Variations in Condition No.22 of the Conditions of Contract, but the value of such work or articles for the work to be supplied by a Nominated Subcontractor, the value of such work or article to be supplied by a Nominated Supplier, the value of such work or article 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>		
2.29	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated Sub-contractors, the Main Contractor shall enter into a Sub-contract as described in Condition No.7 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 the facilities in these Preliminaries. They should price for these with the nominated Subcontract Contractor's work concerned in the P.C Sums under the description "Add for Attendance".</p>		
	<p>Carried to Collection</p>	KSHS	

ITEM	DESCRIPTION	KES	CTS
2.30	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated Sub-contractors, the Main Contractor shall enter into a Sub-contract as described in Condition No.7 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 the facilities in these Preliminaries. They should price for these with the nominated Subcontract Contractor's work concerned in the P.C Sums under the description "Add for Attendance".</p>		
2.31	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Employer 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 any such 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>		
2.32	<p>ATTENDANCE UPON OTHER TRADESMEN ETC.</p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or any other persons employed for the execution of any work not included in this Contract every facility for carrying out the work and for use in his ordinary scaffolding. The Contractor, however, shall perform such carting 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>		
2.33	<p>INSURANCE</p> <p>The Contractor shall insure as required and as outlined in the Appendix to the Conditions of Contract. No payment on account in respect of the works shall be made to the Contractor unless he/she has satisfied the PROJECT MANAGER either by production of an Insurance Policy certificate that the foregoing Insurance Clauses have been complied within 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 receipted premium renewals for the PROJECT MANAGER's inspection.</p>		
	<p>Carried to Collection</p>	KSHS	

ITEM	DESCRIPTION	KES	CTS
2.34	<p>PROVISIONAL WORK</p> <p>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 be left uncovered for a reasonable period of time to enable all measurements needed 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/she shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken afterwards reinstate at his own expense.</p>		
2.35	<p>ALTERATION TO BILLS, PRICING ETC.</p> <p>Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and in any case be ignored. The Contractor shall be deemed to have made allowance in his/her 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 prices of each item before they will be accepted.</p>		
2.36	<p>BLASTING OPERATIONS</p> <p>Blasting shall 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 in force for the time being and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>		
2.37	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Materials of any kind obtained from excavations shall be the property of the Client. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution for materials which the Contractor will otherwise have had to supply with the written permission of the PROJECT MANAGER. Should such permission be given, the Contractor shall make due allowance for materials so used at a price to be agreed.</p>		
	<p>Carried to Collection</p>	<p>KSHS</p>	

ITEM	DESCRIPTION	KES	CTS
2.38	<p>PROTECTION OF THE WORKS</p> <p>Provide protection of the whole of the works contained in the Bills of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which nevertheless have been done at completion free of cost to the to Government.</p>		
2.39	<p>REMOVAL OF RUBBISH ETC.</p> <p>Removal of rubbish and debris from the buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>		
2.40	<p>WORKS TO BE DELIVERED UP CLEAN</p> <p>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 metal work and leave the whole of the buildings water tight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER.</p>		
2.41	<p>GENERAL SPECIFICATION.</p> <p>For the full description of materials and workmanship, method of execution of the works and notes for pricing, the Contractor is referred to Ministry of Public Works and Housing General Specification dated 1976 or any subsequent revision thereof, and which shall be allowed for in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>		
2.42	<p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971 which requires payment by Contractor of a Training levy at the rate of 1/4% of the Contract Sum on all Contracts of more than Kshs. 500,000.00 in value.</p>		
2.43	<p>MATERIALS ON SITE</p> <p>All materials for incorporation into the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Subcontractors and Nominated Suppliers.</p>		
	<p>Carried to Collection</p> <p style="text-align: right;">KSHS</p>		

ITEM	DESCRIPTION	KES	CTS
2.44	<p>HOARDING</p> <p>The Contractor shall enclose the site of the works under construction with a hoarding 2400mm high consisting of iron sheets on 100x50mm timber posts firmly secured at 1800mm centres with two 75x50mm timber rails. The Contractor is in addition required to take precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>		
2.45	<p>CONTRACTOR'S SUPERINTENDENCE/ SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English and Kiswahili speaking Agent Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the PROJECT MANAGER and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>		
	<p>Carried to Collection</p>	KSHS	

ITEM	DESCRIPTION	KES	CTS
	COLLECTION Brought Forward form Page 3/1 Brought Forward form Page 3/2 Brought Forward form Page 3/3 Brought Forward form Page 3/4 Brought Forward form Page 3/5 Brought Forward form Page 3/6 Brought Forward form Page 3/7 Brought Forward form Page 3/8 Brought Forward form Page 3/9 Brought Forward form Page 3/10 Brought Forward form Page 3/11 Brought Forward form Page 3/12		
	TOTAL FOR PART NO. 3 CARRIED TO MAIN SUMMARY KSHS		

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	SUBSTRUCTURE				
	D20 EXCAVATING AND FILLING (PROVISIONAL)				
	EXCAVATING				
4.1	Topsoil for preservation 200 mm average depth starting from existing ground level;	146	m2		
4.2	Reduced Levels; Not exceeding 1.5 m deep starting from stripped level;	44	m3		
4.3	Excavation for strip foundation footing; Not exceeding 1.5 m deep starting from reduced level;	108	m3		
	Extra over excavation irrespective of depth for breaking out				
4.4	Soft Rock	8	m3		
4.5	Hard Rock	8	m3		
	DISPOSAL				
4.6	Excavated material Off site to contractor's tip;	68	m3		
	Filling to excavations				
4.7	Return fill and ram;	84	m3		
	Hardcore				
4.8	300 mm thick; well compacted in layers of 150mm maximum thickness to approval of the engineer; lower ground level	80	m2		
	SAND				
4.9	Blinding on surfaces of hardcore fill; 50 mm thick;	80	m2		
	HERBICIDES / INSECTICIDES				
4.10	Apply anti-termite treatment; "Termidor" or equal and approved in accordance with manufacturers' printed specifications and ten years guarantee;	80	m2		
	SURFACE TREATMENTS				
	Planking and Strutting				
4.11	Labour and materials; to uphold the sides of excavations; generally	1	item		
4.12	Disposal of Water Labour and materials; Keeping excavations free from general water	1	item		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	E05 IN SITU CONCRETE CONSTRUCTION GENERALLY				
	50 mm thick mass concrete class 15 (1:3:6) foundation blinding				
4.13	To strip foundation footings; Generally; Vibrated Reinforced Concrete; Class 25/20 mm (1:1.5:3)	44	m2		
4.14	Floor Bed; 150 mm thick; power floated ;	80	m2		
4.15	Strip foundation footings; Generally;	9	m3		
	E20 FORMWORK FOR IN SITU CONCRETE SAWN FORMWORK				
4.16	Edges of floor bed; Not exceeding 150 mm girth;	66	m		
4.17	Sides of strip foundation footings; Over 300 mm girth;	30	m2		
	E30 REINFORCEMENT FOR IN SITU CONCRETE REINFORCEMENT				
4.18	Fabric reinforcement to BS 4483; reference A 142 mesh 200 x 200 mm weight 2.22kgs per square metre (measured net - no allowance made for laps); including bends, tying wire, distance blocks and spacers; Generally;	80	m2		
4.19	Bars; high yield steel; cold worked; B.S. 4461 including bends, hooks tying wire, distance blocks and spacers;	270	Kg		
4.20	8 mm Diameter; 10 mm Diameter;	810	Kg		
	F10 BRICK/BLOCK WALLING				
	Approved Rough Chisel dressed local stone; bedded and jointing in cement sand mortar (1:4);				
4.21	Walling 200 mm thick in foundations;	91	m2		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
4.22	F30 ACCESSORIES AND SUNDRY ITEMS FOR STONE WALLING DAMP PROOF COURSES On surfaces 200 mm wide;	73	m		
4.23	Polythene based damp proof Membrane 1000 gauge in two layers; On surfaces Over 300 mm wide	80	m2		
4.24	M10 SAND CEMENT /RENDERING 20 mm thick Cement and sand (1:3) rendering; finishing trowelled smooth Walls Over 300 wide	33	m2		
4.25	M12 TROWELLED BITUMEN Lightweight bituminous insulating paint; Walls Over 300 wide; external	33	m2		
Carried to Collection					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	SUBSTRUCTURE				
	Collection				
	Total from Page 4/1				-
	Total from Page 4/2				-
	Total from Page 4/3				-
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	FRAME				
	E05 IN SITU CONCRETE CONSTRUCTION GENERALLY Vibrated Reinforced Concrete; Class 25/20 mm (1:1.5:3)				
4.26	Ring beams Generally	6	m3		
4.27	Gutters Generally	6	m3		
	E20 FORMWORK FOR IN SITU CONCRETE SAWN FORMWORK				
4.28	Beams Over 300 mm wide;	73	m2		
4.29	Gutters Over 300 mm wide;	73	m3		
	E30 REINFORCEMENT FOR IN SITU CONCRETE Bars; high yield steel; cold worked; B.S. 4461 including bends, hooks tying wire, distance blocks and spacers;				
4.30	Bars 8 mm Diameter;	630	Kg		
4.31	12 mm Diameter;	810	Kg		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	ROOF				
	G10 STRUCTURAL TIMBER FRAMING				-
	Supply and fix the following;				-
	Seasoned pressure impregnated cypress second grade or equal and approved softwood timber members; erected above ground; to height not exceeding 5000 mm above existing ground floor level with and including plates, cleats, bolts, nails and the like				-
	The following members in Trusses				
4.32	150 x 50 mm; Rafters;	37	m		
4.33	150 x 50 mm; Tie Beam	34	m		
4.34	100 x 50 mm; King post;	6	m		
4.35	100 x 50 mm; Ties & Struts;	48	m		
4.36	100 x 50 mm; Purlins;	125	m		
4.37	100 x 50 mm Wall Plate secured with and including 12mm diameter mild steel j-bolts including mortise in concrete grouted in cement and sand (1:3) mortar	73	m		
4.38	150 x 50 mm common Rafters & hips;	113	m		
4.39	250 x 25 mm Ridge Board	17	m		
	H31 METAL PROFILED/FLAT SHEET CLADDING/COVERING /SIDING				
	FULBORA OUTLETS				
	Gutters and linings				
4.40	150 mm diameter galvanized mild steel fulbora rainwater outlet at 5000 mm centres complete with dome type grating, flange, raising ring, pvc adapter, mesh trap and other accessories including connecting to down pipe;	22	No		
	Supply and fix approved uPVC rainwater system with solvent welded seal ring or dry joints to manufacturer's printed instructions;				
4.41	Heavy gauge; 150mm diameter grey down pipe;	63	m		
	H70 MALLEABLE METAL SHEET PREBONDED COVERINGS				
	Supply and fix Decra roofing sheet covering; from approved manufacturer and of approved colour and size, including edging trim, firmly secured with galvanised steel screws or nails with end and side laps; fixed onto timber purlins/battens with all necessary curvatures, hoisting, placing and connections;				
4.42	Sloping not exceeding 30 degrees from horizontal;	85	m2		
4.43	350 mm Ridge cap to match	17	m		
4.44	350 mm Valleys to match ; (GI plain sheet)	39	m		
4.45	150 mm Hip cap to match;	37	m		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	J21 MASTIC ASPHALT ROOFING/INSULATION/FINISHES				-
	App water proofing or equal and approved waterproofing agent as supplied by M.s. "Italbuild imports"; laid in accordance with the manufactures printed specifications; with and including a ten year guarantee;				-
	Roofing to falls and crossfalls, not exceeding 15 degrees from horizontal;				-
4.46	To flat roof over 300 mm wide	37	m2		
4.47	50 x 50 mm angle fillet dressing at joints	66	m		
	Touch up primer prepare and apply three coats gloss oil paint on surfaces as described in :-				
	Surfaces of gutter and rain water goods				
4.48	Over 200 mm but not exceeding 300 mm girth;	63	m		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	ROOF				
	Collection				
	Total from Page 4/4				-
	Total from Page 4/5				-
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	WALLS				
	F21 NATURAL STONE MASONRY WALLING/DRESSINGS Approved local stone; squared; machine cut; bedding and jointed in cement sand mortar (1:4);				
	Walling;				
4.49	200 mm Externally;	162	m2		
4.50	Ditto Internally;	48	m2		
4.51	100 mm thick;	62	m2		
To Collection KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	WINDOWS				
	F31 PRECAST CONCRETE SILLS/COPINGS Approved pre-cast concrete cill: bedded and jointed in cement (sand (1:3) mortar: pointed in matching coloured cement;				
4.52	Cills 150 x 25 mm thick cill; once weathered and twice throated;	22	m		
	G20 CARPENTRY/TIMBER FRAMING WROT HARDWOOD: PRIME GRADE;				
	Pelmet/curtain boxes;				
4.53	250 x 25 mm Pelmet fascia	22	m		
4.54	150 x 25 mm Pelmet front	22	m		
4.55	250 x 150 x 25 mm Pelmet box ends	12	No		
4.56	25 mm Quadrant beading	22	m		
4.57	50 x 25 mm Bearers, plugged	22	m		
	H75 STAINLESS STRIP STEEL Heavy duty steel curtain rail/track to specification;				
4.58	Heavy duty steel curtain rail or other equal and approved I-section medium duty curtain rail complete with fixing brackets, rollers 150 mm laps, runners at 100 mm centres and end stops;	22	m		
	L10 WINDOWS MILD STEEL CASEMENT WINDOWS;				
	Supply and fix heavy duty steel casement windows; standard hollow or angle sections; frames mitred at corners including reinforcing cleats and approved patterned solid steel buglar bars and all necessary ironmongery; fixing with steel screws; plugging or fixing to concrete, blockwork or stone work; sealing with mastic; oiling and adjusting on completion; all in accordance with referenced Architect drawings				
4.59	Window overall size 1800 x 1200 mm high; to Architects' drawings	2	No		
4.60	Window overall size 5500 x 900 mm high; to Architects' drawings	2	No		
4.61	Window overall size 3600 x 900 mm high; to Architects' drawings	1	No		
4.62	Window overall size 3500 x 900 mm high; to Architects' drawings	1	No		
	L40 GENERAL GLAZING 4 mm Thick obscure sheet glass and glazing to metal as described in :-				
	To metalwork with putty;				
4.63	In panes not exceeding 0.10 - 0.50 square metres;	21	m2		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
4.64	<p>M60 PAINTING/CLEAR FINISHING PAINTING METAL Prepare and apply one under coat; two coats oil paint full gloss finish; to cown paint or equal and approved; Window surfaces; generally over 300 mm wide; both sides measured;</p>	42	m2		
4.65	<p>M60 PAINTING/CLEAR FINISHING continued ... PAINTING WOOD Prepare and apply one coat of aluminium wood primer on timber surfaces in contact with concrete or masonry surfaces; Painting Wood; Surfaces not exceeding 100 mm girth: bearers and returned ends;</p>	22	m		
4.66	<p>Ditto over 100 mm but not exceeding 200 mm girth: window board;</p>	22	m		
4.67	<p>Prepare surfaces: apply three coats polyurethane varnish on wood: to surfaces; Painting Wood; General surfaces over 300 mm girth; pelmet boxes;</p>	14	m2		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	L10 WINDOWS				
	Collection				
	Total from Page 4/8				-
	Total from Page 4/9				-
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	DOORS				
	FLUSH DOORS;				
	Supply and fix 45 mm Thick flush door: Semi Solid core; hardwood veneer facing to both sides: hardwood lipped edges to BS 459;				
4.68	Single leaf, single swing door overall size 1000 x 2100 mm high;	2	No		
4.69	Single leaf, single swing door overall size 900 x 2400 mm high;	1	No		
4.70	Single leaf, single swing door overall size 900 x 2100 mm high;	6	No		
	PRIME GRADE HARDWOOD STAINED;				
	Door frames / transomes				
4.71	200 x 50 mm thick; including 50 x 25 mm linings;	7	m		
4.72	100 x 50 mm thick; including 50 x 25 mm linings;	41	m		
	STEEL CASEMENT DOORS;				
	Supply and fix mild steel louvred doors; comprising 100 x 50 x 3 mm rebated frame all round; 100 x 50 mm hollow section top rails and stiles, angles cut, mitred and welded; 100 x 50 x 3 mm hollow section intermediate and bottom rails, ends welded and angles cut, mitred and welded; two open panels infilled with 18 gauge cranked louvres 100mm wide at 75 mm centers welded to stiles; all welding ground to smooth finish; all to Architects drawings				
4.73	Single leaf door overall size 900 x 2400 mm high;door to architects' drawings ref D5	4	No		
4.74	Single leaf door overall size 900 x 2400 mm high; 2 No. fixed windows 1100 x 1200 high mm on either side of the door to architects' drawings	1	No		
	M60 PAINTING/CLEAR FINISHING				
	Prepare and apply one coat of aluminium wood primer on timber surfaces in contact with concrete or masonry;				
	General surfaces				
4.75	Over 100 but not exceeding 200 mm girth; Prepare surfaces: apply three coats polyurethane clear lacquer or other equal approved: on timber surfaces: to	48	m		
	General surfaces				
4.76	Frames; over 100 mm but not exceeding 200 mm girth;	48	m		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Prepare and apply one undercoat and two finishing coats of gloss oil paint;				
4.77	Generally metal door surfaces; Over 300 mm wide; both sides measured;	25	m2		
	P21 IRONMONGERY				
	Supply and fix the following as per union catalogue or other equal and approved; fixing with screws				
	<u>Mortise Locks;</u>				
4.78	Two lever mortise lock No. 2237 with one pair of lever handles with escutcheon No. 680-06-2	9	No		
4.79	Door stops No. 8400; oval/ brass 38mm	14	No		
4.80	Heavy duty Steel butt hinges 150mm	14	Pair		
4.81	Heavy duty door closer	2	No		
4.82	Indicator bolts	8	No		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Collection				
	Total from Page 4/10				
	Total from Page 4/11				
To Summary KSHS					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	WALL FINISHES				
	M10 SAND CEMENT /CONCRETE SCREEDS /FLOORING CEMENT AND SAND				
	Backing Screed;				
	15 mm thick backing; wood floated to receive wall cladding; (m/s) to concrete or blockwork base generally;				
4.83	Over 300 mm wide to receive ceramic wall tiles;	169	m2		
4.84	Ceramic border tile; not exceeding 100 mm girth;	94	m		
	M20 PLASTERED /RENDERED /ROUGHCAST COATINGS				
	Plaster; 9 mm first coat of cement and sand 1:6; 3 mm second coat of cement sand and lime putty (1:10); steel trowelled smooth;				
	12 mm thick in 2 No coats work; to concrete or blockwork base (m/s); generally to;				
4.85	Walls; over 300 mm wide;	211	m2		
4.86	Beams; over 300 mm wide;	37	m2		
	Render; 9 mm first coat of cement and sand 1:6; 3 mm second coat of cement sand and lime putty (1:10); steel trowelled smooth;				
	External surfaces;				
4.87	Beams; Over 300 mm wide;	146	m2		
	M40 STONE /CONCRETE /QUARRY /CERAMIC TILING/MOSAIC				
	Tenderer to Add for taking delivery and fixing on the P.C. Rate provided for fixing of tiles;				
	Ceramic wall tiles - P.C. Rate of Kshs.1700 per square metre including fixing on cement sand screed backing (m.s);				
4.88	250 x 200 x 6 mm thick; walls internal	169	m2		
4.89	100 x 6 mm thick; Ceramic Border;	94	m		
	M60 PAINTING/CLEAR FINISHING				
	Prepare and apply one undercoat; one finishing coat of first quality gloss oil paint to crown paints or equal and approved;				
	Steel trowelled plastered surfaces internally;				
4.90	Walls; over 300 mm wide;	211	m2		
4.91	Beams; over 300 mm wide;	37	m2		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
4.92	Prepare and apply one undercoat; finishing coat exterior paint to crown paints or equal and approved; Steel trowelled plastered surfaces externally; Beams; over 300 mm wide; M20 PLASTERED /RENDERED Dressing the face of rubble walling or similar facework to receive flashing and skirting Horizontal ; key pointing with cement : sand motar (1:4) General surfaces	146	m2		
4.93	Over 300 mm wide;	162	m2		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Collection				
	Total from Page 4/12				
	Total from Page 4/13				
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	FLOOR FINISHES				
	M10 SAND CEMENT /CONCRETE SCREEDS /FLOORING CEMENT AND SAND				
	Backing Screed;				
	20 mm thick backing; wood floated to receive floor tiles (m/s) to concrete or blockwork base;				
4.94	Over 300 mm wide;	80	m2		
4.95	100 mm wide;	94	m		
	M40 STONE /CONCRETE /QUARRY /CERAMIC TILING/MOSAIC				
	Tenderer to Add for taking delivery and fixing on the P.C. Rate provided for fixing of tiles;				
	Approved size non-slip ceramic tiles - P.C. Rate of Kshs.1,700 per square metre including fixing on cement sand screed backing (m.s);				
4.96	Approved size; butt joints straight both ways; to cement and sand base (m/s); over 300 mm wide;	80	m2		
4.97	100 mm high; Skirting	94	m		
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	K10 CEILINGS				
	12 mm thick moisture resistant gypsum board or equal and approved ceiling cover; tapered edge wallboard; joints taped and filled; firmly secured on and including approved sawn celcured 50 x 25 mm timber nailed brandering supports finished to receive direct decoration;				
4.98	Ceilings; Over 300 mm wide;	80	m2		
4.99	100 mm wide moulded cornice;	94	m		
	M60 PAINTING/CLEAR FINISHING				
	Primer, two undercoats and one coat full gloss finish to crown paint or equal and approved;				
4.100	Gpsum board ceiling; Over 300 mm wide;	80	m2		
4.101	Cornice not exceeding 100 mm wide;	94	m		
To Summary KSHS					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Summary				
	SUBSTRUCTURE Page 3				-
	FRAME Page 4				-
	ROOF Page 6				-
	WALLS Page 7				-
	WINDOWS Page 9				-
	DOORS Page 11				-
	WALL FINISHES Page 13				-
	FLOOR FINISHES Page 14				-
	CEILING FINISHES Page 15				-
	Sub-Total Typical Ablution Block				-
	Multiply by 4 No. Block				4.00
Total for Bill (2 No. Ablution Blocks) KSHS					-

PARKING

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
BILL NO. 01: PRELIMINARIES AND GENERAL ITEMS					
	Material Testing				
1.01	Allow a Prime Cost of Kshs. 1,500,000 for material testing at government laboratories or any other approved material testing laboratories as shall be approved by the Engineer		PC		
1.02	Allow percentage of PC Sum item 1.01 for contractor's overheads and profit	5.00	%		
Total for Bill No. 01					
BILL NO. 04: SITE CLEARANCE & DEMOLITION					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Site Clearance				
4.01	Clear Site including removal and disposal of gabbage, debris and other objectionable materials as prescribed in the Specifications or as instructed by the Engineer.	4,800.00	SM		
	Removal of Top Soil				
4.07	Remove topsoil to a depth of 200 mm and in locations directed by the Engineer, stockpile suitable materials for topsoiling of sides, slopes and landscaping of quarries and borrow pits	4,800.00	SM		
Total for Bill No. 4					
BILL NO. 05: EARTHWORKS					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Spoil in Soft Material				
5.01	Excavate the material to formation, and store on site for re-use.	1,440.00	CM		
	Spoil in Hard Material				
5.03	As item 5.01 above but in hard material	960.00	CM		
	Fill in Soft Material				
5.04	Excavating the material, transporting, shape, water, roll and compact to 98% MDD, in layers not exceeding 300mm all in accordance with the Specifications.	1,440.00	CM		
	Compaction of Existing Ground				
5.08	Compaction of existing ground in accordance with the Specification	960.00	CM		
Total for Bill No. 5					

PARKING

BILL NO. 8 CULVERTS AND DRAINAGE WORKS					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Note: No separate payment shall be made for gravel for blinding or hauling to spoil unsuitable excavated material and the cost of such shall be included in the rates and pices				
8.01	Excavate in soft rock to depth not exceeding 2.0 m for 300 mm dia IBD	0.00	LM		
8.02	Ditto but for 600 mm rectangular drains	160.00	LM		
8.05	E.O. for item 8.03 and 8.04 but in hard rock/material	0.00	LM		
8.07	Provide, lay and joint 300 mm diameter IBD on 100 mm compacted murrum bed	0.00	LM		
8.08	Ditto including 1 line of side slabs	0.00	LM		
8.09	Ditto including 2 courses of side slabs	0.00	LM		
8.10	Ditto including 3 courses of side slabs	0.00	LM		
8.11	Provide class 15/20 cocrete blinding to as base of rectangular	96.00	SM		
8.12	Provide all materials including formwork and reinforcement bars and cast in situ an open trapezium drain; 600 mm bottom and 1200mm top with a maxmum depth of 2500mm in class 25/20 concrete including all finishes	205.00	CM		
8.13	Provide heavy duty steel grating cover with frame to rectangular drains to be welded on site as per instructions.	192.00	SM		
8.14	Provide, lay and joint 600 mm dia culvert pcc pipes	0.00	LM		
8.15	As Item 8.13 but 900mm pipes.	0.00	LM		
8.16	Provide and place 150 mm Class 15/20 concrete sorround to 600	0.00	CM		
8.17	As Item 8.16 but 900mm pipes.	0.00	CM		
8.18	Provide all materials and construct concrete headwalls to culverts.	0.00	NO		
8.19	Provide materials and construct mitre drains to main drain as will	120.00	LM		
Carried To Next Page					
BILL NO. 8 CULVERTS AND DRAINAGE WORKS					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
8.25	Excavate in any material, provide all materials and construct kerb inlet stormwater channel from the edge of carrigeway to invert block drain. Rate to include for 550×600×150×75mm shallow IBD drain, PCC channels, quadrants and concrete bedding	2,500.00	LM		
8.24	Excavate in any material for manholes, including for part return and compact, part remove for spoil include for formwork.	0.00	CM		
8.25	Provide all materials and construct storm water manholes as detailed in the drawings or as instructed by the Engineer	0.00	NO		
8.26	Stone Pitching. Provide all materials and construct 200mm thick stone pitching to slopping sides of roads	0.00	SM		
Carried To Collection Page					

PARKING

BILL NO. 9 PASSAGE OF TRAFFIC

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9.01	Provide temporary roads signs and barriers to be maintained through out the contract period	6.00	No		
9.02	Maintain passage of traffic through the works to be maintained through out the contract period	6.00	Months		
9.03	Allow for security for traffic controlling and directing	6.00	Months		
Carried To Collection Page					

BILL NO. 12 PARKING AREAS, FOOTPATHS AND PAVED AREAS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Note: No overhaul will be paid for separately under this item and the cost of hauling will be deemed to have been included in the rates Provide, place, water, process and compact to 95% MDD				
12.01	(AASHTO T180) Natural Material for Subbase, Shoulders and Footpaths. Stabilization of the material is separately quantified	720.00	CM		
12.02	Provide, Transport to Site and spread ordinary portland cement, as stabilising agent for the natural gravel sub- base material as specified and as directed by the Engineer	65.00	Tonnes		
12.03	Mixing stabilizer into the material, all in accordance with the specifications and in conformity with the supervisor's instructions, including hauling, transport from the mixing plant to any point of the works	765.00	CM		
12.04	Allow for curing and protection of treated material by watering, provision, placing and maintenance of the curing system, all in accordance with specification and in conformity with the supervisor's instructions	4,800.00	SM		
12.05	Provide, lay, and compact to refusal 300mm thick handpacked hardcore two layers not exceeding 150mm from an approved source to carriageway and parking areas	1,440.00	CM		
12.06	Provide and spread and broom quarry dust to fill the voids, water and compact to Engineer's approval	4,800.00	SM		
12.07	Allow for heavy duty interlocking concrete block paving to carriageway and parking areas laid in sand bed as directed by the Engineer.	4,688.00	SM		
12.08	Provide and lay pcc quadrant laid on concrete bed of class 15 as directed by the Engineer	100.00	LM		
12.09	Provide and lay 125 x 250 pcc road kerbs laid on concrete bed of class 15 as directed by the Engineer	1,120.00	LM		
12.10	Provide and lay 125 x 100 pcc channel laid on concrete bed of class 15 as directed by the Engineer	1,120.00	LM		
12.11	Provide concrete class 15 and haunch to kerbs, channels and quadrants as will be directed by the Engineer.	211.00	M3		
Carried To Collection Page					

PARKING

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Brought forard form previous				0.00
12.13	Provide and erect priority type signs 1000mm size	2.00	No		
12.14	Provide and erect warning type signs 1000mm size	2.00	No		
12.15	As item 20.02 but 750mm		No		
12.16	Provide and erect standard informatory signs 400 x 300mm	2.00	No		
12.17	Provide and erect standard mandatory signs 600mm diameter	2.00	No		
12.18	Provide and erect Non- standard informatory signs:				
	a) Less than 1 M ²	2.00	No		
	b) 1- 2 M ² area	2.00	No		
	c) 2- 5 M ² area	2.00	No		
	d) > 5 M ² area	2.00	No		
12.19	Paint 0.1m wide yellow centerline on the road	16.00	SM		
12.20	Paint 0.1m wide white lineson the road edge marking as shown	32.00	SM		
12.21	As item 20.08 but 0.2m wide (Bus-bay separation marking)	60.00	SM		
12.22	As item 20.08 but 0.4m wide give way line	32.00	SM		
12.23	As item 20.08 but 0.5m wide pedestrian crossing line	0.00	SM		
12.24	Paint single headed road arows as directed by the Engineer	0.00	SM		
	Footpaths and Paved Areas				
12.27	Provide lay and joint 600x600x 50mm thick mechanically vibrated fully cured paving slabs to shoulders footpaths and other external areas	112.00	SM		
12.28	Provide and install 100mm thick steel bollard filled with concrete and painted 1.2m length with 0.75m protraction	35.00	No		
Carried To Collection Page					

PARKING

BILL NO. 22: DAY WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>Note: The whole of this bill is provisional.</p> <p>PLANT Rates inserted herein for plant shall include for all operational and maintenance costs, fuels, oils, water, grease, drivers, operators and turn boys, profits. Only time actually employed supervision overheads and upon the works will be paid for and the rates should include for idle time unless such idle time is authorised by the Engineer, travelling time and overtime. All items of plant must be priced.</p>				
22.01	Crawler Dozers with Dozer and Hydraulic Ripper				
	a) 100 - 135 kW rated flywheel power	8.00	Hr		
	b) 136 - 185 kW rated flywheel power				
22.02	Scrapers: Motorised, Rubber Tyred Single Engine:	8.00	Hr		
	a) up to 16m ³ heaped capacity	8.00	Hr		
	b) 17 - 26m ³ heaped capacity				
22.03	Motor Grader:	8.00	Hr		
	a) 80-110kW rated flywheel power	8.00	Hr		
	b) 111-120kW rated flywheel power				
22.04	Rollers - Towed Vibratory Including Tractor:	8.00	Hr		
	a) 6.5 - 8.8 t unballasted wt.	8.00	Hr		
	b) 8.9 - 11.7 t unballasted wt.				
22.05	Rollers - Road Deadweight (steel three wheel):	8.00	Hr		
	a) 6.1 - 8.5 t unballasted wt.				
22.06	Rollers - Rubber Tyred Self-Propelled:	8.00	Hr		
	a) up to 1.0 t per wheel				
22.07	Rollers - Vibratory Single Roll Rubber Tyred:	8.00	Hr		
	a) 8.3 - 10.5 t unballasted wt.				
22.08	Rollers - Vibratory Pedestrian Operated Twin Roller:	8.00	Hr		
	a) 651 kg - 1.3 t un-ballasted weight				
22.09	Vibrating Plate Compactor:	8.00	Hr		
	a) 114 - 200 kg operating weight.	8.00	Hr		
22.10	Compressors - Rated by Normal Delivery of Free Air per min at 7 kg per cm ² Complete with all Tools, Hoses, Steel etc.				
	a) 6.0 - 7.4m ³ /min	8.00	Hr		
	b) 7.5 - 9.7m ³ /min	8.00	Hr		
22.11	Rollers - Sheep's foot roller or heavy grid roller, self propelled	8.00	Hr		
22.12	Concrete Vibrator (poker type):				
22.13	Lorries - Ordinary:	8.00	Hr		
	a) 7.6 - 12.0t gross vehicle wt				
22.14	Lorries -Tipper:	8.00	Hr		
	a) up to 11.0t gross vehicle wt	8.00	Hr		
	b) 11.1 - 17.0t gross vehicle wt				
22.15	Van, Pick-up or Similar Utility Vehicle:	8.00	Hr		
	a) up to 1.0t carrying capacity				
22.16	Water or Fuel Tanker - Self Propelled:	8.00	Hr		
Carried To Collection Page					

PARKING

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Brought forard form previous				
	a) 3500 - 4550 litre capacity	8.00	Hr		
	b) 4551 - 7000 litre capacity				
	LABOUR	8.00	Hr		
22.19	Rates inserted herein for labour are to include insurance cover, accomodation, travelling time, overtime, use and maintenance of small tools and profit. Only the time engaged upon actual work will be paid for.				
	a) Unskilled labour	8.00	Hr		
	b) Skilled labour.				
	MATERIALS	8.00	Hr		
	All materials to be provided are to comply with the Specification and rates inserted herein are to include for delivery to site, storage, handling and related overheads and profit.				
22.20	Ordinary Portland Cement	50.00	Ton.		
22.21	Mild Steel:				
	a) up to and including 16mm dia.	1.00	Ton.		
	b) over 16mm dia.	1.00	Ton.		
22.22	High Yield Steel:				
	a) up to and including 16mm dia.	1.00	Ton.		
	b) over 16mm dia.	1.00	Ton.		
22.23	Aggregate for Concrete:				
	a) fine	20.00	CM		
	b) coarse	20.00	CM		
22.24	Shuttering Timber:				
	a) F1	20.00	SM		
	b) F2	20.00	SM		
Carried To Collection Page					
SUMMARY					
SN	ELEMENT			AMOUNT	
1	BILL NO. 1: PRELIMINARIES & GENERAL ITEMS				
2	BILL NO. 4: SITE CLEARANCE AND DEMOLITIONS				
3	BILL NO. 5: EARTHWORKS				
4.00	BILL NO. 8 CULVERTS AND DRAINAGE WORKS				
5.00	BILL NO. 9 PASSAGE OF TRAFFIC				
6.00	BILL NO. 12 PARKING AREAS, FOOTPATHS AND PAVED AREAS				
7.00	BILL NO. 22: DAY WORKS				
TOTAL FOR MEASURED WORKS CARRIED TO GRAND SUMMARY					

PROPOSED KIBUYE MARKET - EXTERNAL WORKS

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	ROADS & ACCESS				
	D20 Excavating and filling				
	Topsoil for preservation;				
5.1	200 mm average depth; Excavating by machine To reduce levels;	15020	m2		
5.2	Depth not exceeding 1.5 metres starting from stripped level for roads and parking;	7928	m3		
	Extra over excavation irrespective of depth for breaking out				
5.3	Soft Rock	793	m3		
5.4	Hard Rock	793	m3		
	Surface treatments				
	Planking and Strutting				
5.5	Labour and Materials; to uphold the sides of excavations; generally	1	item		
	Surface treatments continued ...				
	Disposal of Water				
5.6	Labour and Materials: Keeping excavations free from general water;	1	item		
	Levelling and compactions;				
5.7	Levelling and compacting bottom of excavations;	15020	m2		
	FORMATION OF SUB-BASE/SURFACING				
	Selected Excavated Materials;				
5.8	100 mm thick; selected excavated material base well compacted and laid to required falls and cambers; to receive hardcore base;	15020	m2		
	Filling to excavations; depositing and compacting in layers maximum 150 mm thick to appropriate falls; to 95% maximum dry density				
	Imported Hardcore/Murram fill;				
5.9	200mm thick; handpacked hardcore; laid to required falls and cambers; to receive sand blinding; to the approval of the Engineer;	15020	m2		
	Filling to excavations; depositing and compacting in layers maximum 150 mm thick to appropriate falls; to 95% maximum dry density continued ...				
	Imported Hardcore/Murram fill; continued ...				
5.10	150 mm thick; imported murrum/quarry material base well compacted and laid to required falls and cambers; to the approval of the Engineer on murrum roads;	15020	m2		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
5.11	Blinding bed; 50mm thick quarry stone dust blinding; Q PAVING/PLANTING/FENCING/SITE FURNITURE Q10 Kerbs/Edgings/Channels/paving accessories Precast concrete; normal; class 20/(20 mm); vibrated; part surface fair finish; kerbs; sprayed; B.S. 340; bedding, jointing and pointing in cement, sand mortar (1:3); including all necessary formwork, excavations and disposal;	15020	m2		-
5.12	125 x 250 mm high half battered; on and including 100 mm thick plain insitu concrete class 20/(20mm) haunched base and back 325 mm wide; Q PAVING/PLANTING/FENCING/SITE continued ... Q10 Kerbs/Edgings/Channels/paving continued ... Precast concrete; normal; class 20/(20 mm); vibrated; part surface fair finish; kerbs; sprayed; B.S. 340; bedding, jointing and pointing in cement, continued ...	4379	m		
5.13	Ditto; but curved on plan to any radius; Channel; B.S. 340; bedding, jointing and pointing in cement sand mortar (1:3); including all necessary excavations, disposal and formwork;	1751	m		
5.14	125 x 100 mm precast concrete flush channel laid flat including plain insitu concrete class 20/(20 mm) base and 50 mm thick haunch; 325 mm girth	4379	m		
5.15	Ditto; but curved on plan to any radius;	1751	m		
5.16	Quadrants 445 mm Quadrant, 250 mm high; Q24 Interlocking brick/block roads/Cabro pavings 60 mm thick medium duty concrete interlocking blocks; 'Cabbro' or equal and approved; herring bone pattern; laid to manufacturer's specifications;	52	No		
5.17	Roads and surface parking; to falls crossfalls; Horizontal;	15020	m2		
Carried to Collection					

Roads, Walkways and Foul drainage system

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Q PAVING/PLANTING/FENCING/SITE continued ...				
5.18	Prepare and apply one coat approved quality reflective road marking paint on paving blocks and basement parking in 100 mm wide lines	4379	m		
	Carried to Collection				
ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	ROADS & ACCESS				
	Collection				
	Total from Page 5/1				-
	Total from Page 5/2				-
	Total from Page 5/3				-
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	WALKWAYS & PAVED AREAS				
	D20 Excavating and filling				
	Topsoil for preservation;				
5.19	150 mm average depth; Excavating by machine To reduce levels;	4385	m2		
5.20	Depth not exceeding 1.5 metres starting from stripped level;	1316	m3		
	Filling to excavations; depositing and compacting in layers maximum 150 mm thick; to 95% maximum dry density				
5.21	100 mm thick; selected excavated material base, well compacted; to receive hardcore base;	4385	m2		
	Filling to make up levels				
	Imported Hardcore or murrum or any other granular materials equal and approved;				
5.22	150 mm thick murrum fill;	4385	m2		
	WALKWAYS & PAVED AREAS continued ...				
	Topsoil for preservation; continued ...				
	Stone dust;				
5.23	50mm thick quarry stone dust blinding; Surface treatments Apply herbicides	4385	m2		
5.24	Treating ground with sodium chlorate weedkiller, 1kg to 10 litres water per 14 m2	4385	m2		
	Q PAVING/PLANTING/FENCING/SITE FURNITURE				
	Q10 Kerbs/Edgings/Channels/paving accessories				
	Precast concrete; normal; class 20/(20 mm); vibrated; part surface fair finish; kerbs; sprayed; B.S. 340; bedding, jointing and pointing in cement, sand mortar (1:3); including all necessary formwork, excavations and disposal;				
5.25	150 x 75 mm edging; on and including 75 mm thick plain in situ concrete class 20/(20mm) haunched base and back 250 mm wide;	8870	m		
	Carried to Collection				

Roads, Walkways and Foul drainage system

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Q PAVING/PLANTING/FENCING/SITE continued ...				
	Q24 Interlocking brick/Cabro pavings				
5.26	600 x 600 x 50 mm thick paving slabs on 50 mm sand bed (m.s) including jointing and pointing in cement sand (1:3) mortar and compacting;	4385	m2		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	WALKWAYS & PAVED AREAS				
	Collection				
	Total from Page 5/4				-
	Total from Page 5/5				-
	To Summary KSHS				-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	FOUL DRAINAGE SYSTEM				
	R12 Drainage below ground				
	Excavation;				
5.27	Excavate 300 mm wide in trenches to receive pipes not exceeding 1.5 metres deep; starting from existing ground level;	389	m		
5.28	Ditto depth 1.5 - 3.0 metres	389	m		
	Filling;				
5.29	Selected imported granular fill material in trenches	389	m		
5.30	Compacted backfill;	389	m		
	Manholes				
	Inspection chambers/Ring manhole consisting of concrete clas 20 / (20 mm), comprising 225 mm surround to sides, 225 mm thick bed, benching for 225 mm diameter pipes, 12 mm thick cement sand (1:3) rendering to side and bottom, 150 mm ring and cover slab in concrete class 20 /(20 mm) bedded and jointed in cement sand (1:3); including all necessary excavations, formwork, approved filling and cart away; all according to Structural engineer's Drawinas.				
5.31	1380 x 1180 mm internal dimensions; 2000 mm average depth to invert;	15	No		
	FOUL DRAINAGE SYSTEM continued ...				
	R12 Drainage below ground continued ...				
	Manholes continued ...				
	Inspection chambers/Ring manhole consisting of concrete clas 20 / (20 mm), comprising 225 mm surround to sides, 225 mm thick bed, continued ...				
5.32	Heavy duty single triangular manhole cover and frame to B.S. 497;	15	No		
	R13 Underground drainage				
	Precast concrete pipes; B.S. 556; (1:2:4) spun ogee, spigot and socket joints; including all necessary excavations, disposal of surplus materials and formwork; Pipes jointed and badded in cement sand (1:3) mortar laid in concrete bad and surround				
5.33	225 mm diameter; internal dimensions	389	m		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	FOUL DRAINAGE SYSTEM				
	Collection				
	Total from Page 5/6				-
To Summary KSHS					-

PROPOSED KIBUYE MARKET - EXTERNAL WORKS					
ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Summary				
	ROADS Page 3				-
	WALKWAYS Page 5				-
	FOUL DRAINAGE SYSTEM Page 7				-
Total for Bill KSHS					-

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	BOUNDARY WALL				
	D20 Excavating and filling				
	Excavations:				
6.1	Pits for column bases, maximum depth not exceeding 1.50 m	612	m3		
6.2	Trenches for strip footing, maximum depth not exceeding 1.50 m	737	m3		
	Disposal				
	Material arising from the excavations				
6.3	Off site by machine off to contractor's tip;	46	m3		
	Selected material arising from the excavations;				
6.4	Over 300 mm deep;	441	m3		
	Planking and Strutting				
6.5	Labour and Materials; to uphold the sides of excavations; generally	1	item		
	Disposal of Water				
6.6	Labour and Materials: Keeping excavations free from general water;	1	item		
	E IN SITU CONCRETE/LARGE PRECAST CONCRETE				
	50 mm thick mass concrete class 15 (1:4:8) foundation blinding				
6.7	50 mm thick blinding to columns	461	m2		
6.8	50 mm thick blinding to strip footing	737	m2		
	Vibrated Reinforced Concrete; Class 20/20 mm (1:2:4)				
6.9	Foundations in trenches;;	148	m3		
6.10	Column bases	138	m3		
6.11	Columns (substructure)	19	m3		
6.12	Columns (superstructure)	66	m3		
	E20 Formwork for in situ concrete				
	Sawn softwood, basic finish				
6.13	Column bases;	554	m2		
6.14	Strip footing;	491	m2		
6.15	Columns	1430	m2		

	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	E IN SITU CONCRETE/LARGE PRECAST continued ...				
	E30 Reinforcement for in situ concrete				
	Bars; high yield steel; cold worked; B.S. 4461 including bends, hooks, tying wire, distance blocks and spacers;				
6.16	8 mm Diameter;	10040	Kg		
6.16	10 mm Diameter;	12050	Kg		
6.17	12 mm Diameter;	22430	Kg		
	F MASONRY				
	Approved local stone; roughly squared; bedding and jointing in cement sand mortar (1:4)				
	Walls;				
6.18	200 mm thick;	984	m2		
	Approved local stone; squared; machine cut ; bedding and jointing in cement sand mortar (1:4) and recessed pointing one side in cement sand mortar (1:4) as work proceeds.				
	Walling				
6.19	200 mm thick;	2581	m2		
	F MASONRY continued ...				
	F40 DESIGNED JOINTS FOR INSITU CONCRETE JOINTS				
	Fillers				
6.20	20 mm thick expansion joint with flexcell joint filler between concrete/ masonry surfaces or simmlar including all necesssary supports to Engineer's approval;	94	m2		
	F30 Accessories/Sundry items for brick/block/stone walling				
	Damp proof courses bedded in cement mortar				
	Polythene; 1000 gauge; 150 mm laps; no allowance made for laps				
6.21	Horizontal; 200 mm wide;	1229	m		
	F31 Precast concrete sills/lintels/copings/features				
	Copings				
	275 x 75 mm thick precast concrete class 20/20 coping, splayed top; weathered and twice throated; finished fair on exposed surfaces bedded straight on masonry walls;				
6.22	Straight	1229	m		
	Carried to Collection				

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
6.23	<p>F MASONRY continued ... F31 Precast concrete continued ... column caps Precast concrete class 20/20 coping, splayed top; weathered and twice throated; finished fair on exposed surfaces bedded on collumns; 400 x 400 x 65 mm</p>	461	No		
6.24	<p>M20 PLASTERED /RENDERED Dressing the face of rubble walling or similar facework to receive flashing and skirting Horizontal ; key pointing with cement : sand motar (1:4) General surfaces Over 300 mm wide;</p>	5162	m2		
6.25	<p>Render; 9 mm first coat of cement and sand 1:6; 3 mm second coat of cement sand and lime putty (1:10); steel trowelled smooth; External surfaces; collumns; over 300 mm wide</p>	663	m2		
6.26	<p>MAIN GATE AND PEDESTRIAN GATE Mild steel gate; in two equal leaves 50 x 50 x 3mm thick z-section frame all round, built into wall with 100mm long 20 x 20 x 2mm thick fishtailed lugs each leaf comprising 50 x 50 x 3mm thick horizontal rails and stile; 3 No. 25 x 25 x 2mm thick vertical infill; fanlight in filled with 25 x 25 x 2 mm hollow sections at 150 mm centers, rest faced both sides with 20 gauge sheet in panels, welded to frame; all welding ground to smooth finish; apply one undercoat and two finishing coats of gloss oil paint.</p>	3	No.		
6.26	<p>Double leaf door overal size 6,000 x 2,400 mm high; with 1,000 x 2,100 mm high pedestrian gate all to architects' drawings</p>	5	No.		
	<p>Ditto 1200x2400 mm pedestrian gate</p>	5	NO		
	<p>Fabricate, supply and fix steel grating averall size 3000 wide x 1800 mm high in alternating sizes comprising of 15No 30x30x3mm thick angle section vertical member 2No 50x50x3mm thick SHS tubes horizontal member welded including setting to concrete pillar and painting with approved gloss paint.</p>	480	NO		
Carried to Collection					

ITEM	DESCRIPTION	Qty	Unit	Rate	KSHS CTS
	Collection				
	Total from Page 6/ 1				-
	Total from Page 6/2				-
	Total from Page 6/3				-
To Summary KSHS					-

ITEM	DESCRIPTION	Qty	Unit	KSHS CTS
	<p><u>PROVISIONAL SUMS</u> <u>ELEMENT NO. 1</u> <u>NOTES:</u> 1. The following sums may be expended in whole or in part at the sole discretion and on the sole written authority of the Project Manager.</p> <p>2. The following sums include 16% V.A.T. Provide Provisional Sums to cover the cost of the following items to be carried out at Main Contractor's Bill rates or rates pro-rata thereto:</p>			
6.1	<p><u>Site Sign Board</u> Shillings Eighty Four Thousand (Shs 150,000.00) only for 2 No. site sign board.</p>		Item	
6.2	<p><u>Demolition</u> Shillings Shillings Two Million Five Hundred Thousand (Shs. 2,500,000) only for Demolition of all existing temporary structures and carting away ;Note all salvaged Material remains property of client.</p>		Item	
6.3	<p><u>Shades and Wharehouses</u> Provide Kenya Shillings Forty Million (Shs.40,000,000.00) only for construction of Shades at the Current Wholesale market and 2 No Wharehouses within the current wholesale market and one at the main market as directed by the Client ;</p>		Item	
6.3	<p><u>Elevated Water Tank Tower</u> Shillings Shillings Eight Hundred Thousand (Shs. 800,000.00) only for construction of Elevated Water Tank Tower ;</p>		Item	
6.4	<p><u>Geological Survey</u> Shillings Shillings One Million Five Hundred Five Thousand (Shs. 1,500,000.00) only for provision of all Geological survey works of the site ;</p>		Item	
6.5	<p><u>Storm Water Draiange</u> Shillings Shillings Fourteen Million (Shs. 14,000,000.00) only for Construction of Storm Water Draiange;</p>		Item	
6.6	<p><u>Landscaping Works</u> Shillings Four Million (Shs.4,000,000.00) only for LandScaping Works.</p>		Item	
6.7	<p><u>Contigencies</u> Provide 10% of Builders Work for contingencies to cover cost of any unforeseen or minor additional works;</p>		Item	
	<p>Total Amount of Element No. 1 Provisional Sums Carried to Part Summary</p>			

ITEM	DESCRIPTION	Qty	Unit	KSHS CTS
	ELEMENT NO. 2			
	ON-COSTS ON P.C. SUMS			
	Allow for On-Costs on the following Prime Cost (P.C) Sums as described :			
	Electrical Installations - (P.C. Sum - Kshs.5,680,646.55)			
6.8	Add for profit and overheads	2	%	
6.9	Add for attendance on Nominated Sub-Contractor as described		SUM	
6.10	Allow for all internal builder's work in connection including cutting chases, recesses holes,etc. providing pipe sleeves and making good completion		SUM	
	Mechanical Installations (P.C Sums -Kshs. 17,101,379.31)			
6.11	Add for profit and overheads	2	%	
6.12	Add for attendance on Nominated Sub- Contractor as described		SUM	
6.13	Allow for all internal builder's work in connection including cutting chases, recesses holes, etc,providing pipe sleeves and making good on completion		SUM	
	Total Amount of Element No. 2 On-Cost on P.C. Sums Carried to Part Summary			

ITEM	DESCRIPTION	Qty	Unit	KSHS CTS
	SUMMARY			

<u>PROVISIONAL SUMS AND ON-COSTS ON P.C. SUMS</u>			
1 Provisional Sums			-
2 On-Costs on P.C. Sums			-
TOTAL FOR PROVISIONAL SUMS AND ON-COSTS ON P.C. SUMS TO MAIN SUMMARY			-

PRIME COST SUMS

NO.	DESCRIPTION	AMOUNT (KSHS)
	<p><u>PART NO. 10</u> <u>PRIME COST SUMS</u> <u>NOTES:</u></p> <p>1 The following Sums may be expended in whole or in part or may be deleted from the Contract at the sole discretion and on the sole written authority of the Project Manager. No claims for loss of profit in this respect will be entertained.</p> <p>2 The following Sums <u>include</u> 14% V.A.T.</p> <p><u>Provide Prime Cost (P.C.) Sums to cover the cost of the following Sub-Contracts to be executed by Nominated Specialist Sub-Contractors or</u> <u>ELECTRICAL INSTALLATIONS</u> <u>Electrical Installations -</u></p> <p>7.1 0.01 4 No. Ablution Blocks (Allow for Lump sum subject to Review by the Design review and supervision Consultant)</p> <p>7.2 0.02 Flood light/Street Lighting (To be expended subject to Review by the Design review and supervision Consultant) 15,000,000.00</p> <p>7.3 0.03 PC Sums For KPLC Connection (630 KVA)(To be expended subject to Review by the Design review and supervision Consultant) 3,000,000.00</p> <hr/> <p style="text-align: right;">SUM</p>	
	<p><u>MECHANICAL INSTALLATIONS</u> <u>Mechanical Installations</u></p> <p>7.4 0.01 4 No. Ablution Blocks (Allow for Lump sum subject to Review by the Design review and supervision Consultant)</p> <p>7.5 0.02 PC Sum Water Storage & Reticulation (To be expended subject to Review by the Design review and supervision Consultant) 14,000,000.00</p> <hr/> <p style="text-align: right;">SUM</p>	
	TOTAL FOR PRIME COST SUMS TO MAIN SUMMARY Kshs	

PRIME COST SUMS



SPECIFICATIONS AND BILLS OF QUANTITIES FOR
PROPOSED MINOR WORKS AT KIBUYE MARKET
MAIN SUMMARY

PART NO.	PART	PAGE NO.	KSHS.
	<u>BILLS OF QUANTITIES FOR: -</u>		
4	2 No. Ablution Blocks	Page 22-27	
5	Front Parking	Page 28-37	
6	Roads, Walkways and Foul drainage system	Page 28-37	
7	Boundary Wall	Page 28-37	
	<u>Sub-Total for Builder's Work</u>		
2	Particular Preliminaries	Page 5-8	
3	General Preliminaries	Page 9-21	
6	Provisional Sums and On-costs on P.C. Sums ..	Page 38-40	
7	Prime Cost (P.C.) Sums	Page 41	
	<u>Sub-Total</u>		
	<u>Total</u>		
8	ADD 16% V.A.T		
<u>TOTAL AMOUNT OF TENDER (V.A.T Inclusive)</u>		KSHS	
<u>(Carried to Form of Tender on Page 2/1)</u>			