



County Government of Kisumu
City of Kisumu
Kisumu Urban Project (KUP)
AFD Agreement No: CKE1035.01.G

PROPOSED EXTENSION OF LUMUMBA HEALTH CENTRE PHASE I

**NATIONAL COMPETITIVE BIDDING (NCB) NO:
CCK/KUP/W/5/2017/042**

VOLUME II

[November, 2017]

BILLS OF QUANTITIES & STANDARD METHOD OF MEASUREMENTS



CITY OF KISUMU

**PROPOSED REHABILITATION OF KISUMU HEALTH FACILITIES: LOT 1-
LUMUMBA HEALTH CENTRE (PHASE 1).**

No.	ITEM	PAGE NO.
1	Contents page	1
2	Signature page	2

SECTION ONE - TRADE PREAMBLES

3	Preambles and Pricing Notes	3-5
---	-----------------------------	-----

SECTION TWO - PRELIMINARIES

4	Particular Preliminaries	6-19
---	--------------------------	------

SECTION THREE - MEASURED WORKS

5	Main Building	20-52
6	Toilet	53-67
7	Kitchen	68-85
8	Electrical Installations	86-103
9	Mechanical Installations	104-135
10	External Works	136-148
11	Provisional Sums	149
12	Main Summary MS/1	150

CITY OF KISUMU

TENDER DOCUMENTS

Issued by:-

**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 Specifications for Building Works issued in 1976 or as qualified or amended.

B. MANUFACTURERS' NAMES

Where manufacturers' name(s) and catalogue references are given, it is for guidance to quality and standard only. Alternative manufacturer of equal quality will be accepted at the discretion of the Departmental Representative.

C. WALLING

All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Roads, Public Works and Housing "Specification for Metric Sized Concrete Blocks for Building (1972)"

Walling of 200 mm thickness or under shall be reinforced with hoop iron (20 x 25mm wide) straps at every alternate course.

Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.

D. CARPENTRY

The grading rules for cypress shall be the same as for podocarpus and all timber used for structural work shall be select (second grade).

All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

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 Government.

Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager, use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.

Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.

Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc., must be ascertained on site.

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 hardwood, softwood, concrete or block work.

Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal quality, he must inform the Project Manager and obtain approval in writing.

B. STRUCTURAL STEELWORK

All structural steelwork shall comply with the Ministry of Roads, Public Works and Housing "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

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.

Prices for paving are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.

Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.

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 for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
1	PRICING ITEMS OF PRELIMINARIES Prices SHALL BE INSERTED against items of "preliminaries" in the tenderer's priced Bills of Quantities. Items not priced shall be deemed to be covered by rates entered in other items of 'preliminaries' or 'measured works'. The contractor is advised to read and understand all preliminary items.				-
2	DESCRIPTION OF THE WORKS The works to be carried out under this contract basically involve the rehabilitation works to Lumumba Health Centre and associated engineering services, civil works and external works.				-
3	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. In this contract, the term 'Project Manager' shall mean both Architect and Engineer.				-
4	LOCATION OF SITE The site of the proposed works is located in CITY OF KISUMU . The Contractor is advised to visit the site, to familiarize him with the nature and position of the site. No claims arising from the Contractor's failure to do so will be entertained.				-
5	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. The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager				-
	Carried to Collection Kshs				-

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
6	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 claims shall be entertained upon the expiry of the said contract period.	Note			-
7	ADVANCE PAYMENT Advance Payment is not applicable and shall therefore not be granted in this Contract.	Note			-
8	PREVENTION OF ACCIDENT, DAMAGE OR LOSS The Contractor is notified that these works are to be carried out on a restricted 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. Additional to the normal hoarding as hereunder provided, the contractor shall provide a covered board walk two meters wide around the perimeter of the whole building constructed of 25mm thick timber floor boarding on 100 x 50mm bearers at 600mm center's both ways: in both ground and first floor levels: 24 gauge galvanized corrugated iron sheet walls and truncated roof cover onto 150 x 50mm and 100 x 50mm timber frames at 600mm center's vertically and horizontally respectively. This shall be executed as directed and approved by the Project Manager.	Note			-
		Lump Sum	1		-
9	WORKING CONDITIONS The Contractor shall allow in his rates for any interference that he may encounter in the course of execution of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed.	Note			-
	Carried to Collection Kshs				-

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
10	SIGN BOARD Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.	No	2		-
11	LABOUR CAMPS The Contractor shall not be allowed to house labor on site. She/he shall allow for transporting workers to and from the site during the tenure of the contract.	Lump sum	1		-
12	MATERIALS FROM DEMOLITIONS Any materials arising from demolitions and not re-used shall become the property of the University. The Contractor shall allow in his rates the cost of transporting the demolished materials to a site to be agreed with the Local Authority.	Note			-
13	PRICING RATES The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.	Note			-
14	SECURITY The Contractor shall allow for providing 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 the works and workers, equipment and materials on site. All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Department Representative. This is to include materials of the Contractor, nominated subcontractors and nominated suppliers.	Months	14		-
14	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/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.				-
	Carried to Collection Kshs				-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
15	<p>PERFORMANCE SECURITY</p> <p>A security of 10.0% of the contract sum will be required in accordance with the conditions of contract contained in bid document. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Security to the Employer duly signed, sealed and stamped from an approved bank.</p>	Lump sum	1		-
16	<p>TENDER DOCUMENTS</p> <p>Tender documents will be as listed ITB</p>	Note			-
17	<p>DELIVERY OF TENDER</p> <p>Tenders 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 or as indicated in the advertisement.</p> <p>Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time shall not be opened.</p>	Note			-
18	<p>VALUE ADDED TAX</p> <p>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts.</p> <p>VAT will be calculated through all interim certificates and remitted by the contractor to the Commissioner in charge of VAT within the time stipulated in the Act. It should however be noted that this is not additional tax but a new mode of payment for VAT, whose excess will be refundable once the Contractor has submitted his monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with.</p> <p>V.A.T is included in this contract and no claims whatsoever will be allowed for in respect of V.A.T if the tenderer fails to include them in his unit rates. It is also to be noted that V.A.T be worked out in the unit rates and not as a percentage of the total.</p>	<p>this contract is V.A.T exempt and the contractor should reflect this in their rates</p>			-
19	Carried to Collection Kshs				-
					-

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
20	WITH-HOLDING TAX The Tenderers are herein informed that a With-holding Tax will be withheld at 3% and will be deducted from the monies due or to become due under all certificates submitted for payment. It should however be noted that these are not additional tax but just a new mode of payment thereof. Any excess payment will be refundable once the contractor has submitted his annual returns to the Commissioner of Income Tax who will do the refunds once satisfied that all regulations relating to Tax returns have been complied with.	Note			-
21	KENYA BUREAU OF STANDARDS LEVY The tenderers' attention is drawn to the Standard Act Cap 496 and the Standard Levy Order of 1990 amended through legal notice no. 183 of 26 th November 1999 requiring payment of levy as stipulated in the Act to the Kenya Bureau of Standards.	Note			-
22	TRAINING Allow for Ksh 400,000 for training of 2 No seconded staff by the client as directed by the project manager	Lump Sum	1		-
23	EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess 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 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 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.				-
	Carried to Collection Kshs				-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
24	FORM OF CONTRACT The Form of Contract shall be as stipulated under Section VIII. General Conditions (GC)	Note			-
25	PERFORMANCE SECURITY. The Contractor shall find and submit on the Form of Tender an approved bank and who will be willing to be bound to the Government in an amount equal to ten per cent (10.0%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the Employer and who will when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Client , the Contractor shall furnish within seven days another Surety to the approval of the Client .				-
26	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.	Lump Sum	1		-
27	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	Month	14		-
28	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 onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.				-
Carried to Collection Kshs					-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
29	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the EMPLOYER 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 EMPLOYER 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 EMPLOYER.</p>	Note			
30	<p>STORAGE OF MATERIALS</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 EMPLOYER. Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided</p>	Lump Sum	1		-
31	<p>SAMPLES</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 EMPLOYER for his approval until such samples are approved by the EMPLOYER and the EMPLOYER, may reject any material or workmanship not in his opinion to be up to approved samples. THE EMPLOYER 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 EMPLOYER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads and Public Works. The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the EMPLOYER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	No	30		-
Carried to Collection Kshs					-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
34	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 Employer	Lump Sum	1		-
35	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 Employer	Note			-
36	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 Particular 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.	Note			-
37	ACCESS TO SITE AND TEMPORARY ROADS. Means of access to the Site shall be agreed with the Employer 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 reinstate all works and surfaces disturbed to the satisfaction of the Employer.	Lump Sum	1		-
38	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 Employer.				-
	Carried to Collection Kshs				-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
39	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the Employer. 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 arrangements for augmenting this supply at his own cost. Nominated Sub--contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>	No	14		-
40	<p>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Central Government and/or County Government, Labor Department and the Employer.</p>	Lump Sum	1		-
41	<p>SUPERVISION AND WORKING HOURS</p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the Employer who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract</p>	Note			-
42	<p>PROVISIONAL SUMS.</p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A 7(i) of the Standard Method of Measurement mentioned in the attached Conditions of Contract. Such sums are net and no addition shall be made to them for profit.</p>	Note			-
Carried to Collection Kshs					-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
43	<p>PRIME COST (OR P.C.) SUMS.</p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement mentioned in these Conditions of Contract. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in the attached Conditions of Contract are described herein as Nominated Sub-Contractors.</p> <p>Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>	Note			-
44	<p>PROGRESS CHART.</p> <p>The Contractor shall, upon signing of contract draw up a works programme in Microsoft Projects format setting out the order in which the works are to be carried out with the appropriate date thereof. The works programme is to be agreed with the Employer within a maximum of two (2) weeks from the date of possession of site and one (1) week for an updated programme. No deviation from the order set out in the programme will be permitted without the written consent of the Client. The Main Contractor will be responsible for arranging the above programme with all Sub-Contractors including nominated sub-contractors and nominated suppliers.</p>	Note			-
45	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the Employer'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.</p>	Note			-
Carried to Collection Kshs					-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
	<p>ADJUSTMENT OF P.C. SUMS. Cont:- Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	Note			-
47	<p>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 Employer's order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 13 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>	Note			-
48	<p>NOMINATED SUB-CONTRACTORS When any work is ordered by the Employer to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in the attached Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	Note			-
49	<p>DIRECT CONTRACTS Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a 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>	Note			-
	Carried to Collection Kshs				-

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Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
50	<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 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 Employer and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	Note			-
51	<p>INSURANCE</p> <p>The Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the Employer 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 Employer 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 Employer's inspection</p>	Lump Sum	1		-
52	<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 shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Employer.</p> <p>Immediately the work is ready for measuring, the Contractor shall give notice to the Employer. If the Contractor makes default in these respects he shall if the Employer so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>				-
Carried to Collection Kshs					-

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
53	<p>ALTERATIONS 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 will in any case be ignored.</p> <p>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.</p> <p>All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted</p>	Note			
54	<p>BLASTING OPERATIONS</p> <p>Blasting will only be allowed with the express permission of the Employer 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 Employer governing the use and storage of explosives.</p>	Note			
55	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the Employer directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Employer Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	Note			
56	<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 Employer and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>	Lump Sum	1		-
	Carried to Collection Kshs				-

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
57	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.	Lump Sum	1		
58	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 of the buildings watertight, clean, perfect and fit for occupation to the approval of the Employer.				
59	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.				
60	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.	Lump Sum	1		
61	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 Employer. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers	Note			
Carried to Collection Kshs					

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
62	<p>HOARDING</p> <p>The Contractor shall enclose all the site under construction with a hoarding 320 metres long and 2400 mm high consisting of iron sheets gauge 30 on 100 x 50 mm second grade treated sawn cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm second grade treated sawn cypress timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>	Lump Sum	1		
63	<p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	Month	14		
	Carried to Collection Kshs				

Kindly note that the rates applied MUST be VAT exclusive

Item	DESCRIPTION	Unit	QTY	Rate	Kshs.
	COLLECTION				
	Brought forward from page 2/1				
	Brought forward from page 2/2				
	Brought forward from page 2/3				
	Brought forward from page 2/4				
	Brought forward from page 2/5				
	Brought forward from page 2/6				
	Brought forward from page 2/7				
	Brought forward from page 2/8				
	Brought forward from page 2/9				
	Brought forward from page 2/10				
	Brought forward from page 2/11				
	Brought forward from page 2/12				
	Brought forward from page 2/13				
	Brought forward from page 2/14				
	Brought forward from page 2/15				
	Brought forward from page 2/16				
	TOTAL FOR GENERAL PRELIMINARIES				
	CARRIED TO MAIN SUMMARY				

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>HOSPITAL REHABILITATION AND EXTENSION</u>					
<u>ELEMENT NO 1</u>					
<u>DEMOLITIONS AND ALTERATIONS</u>					
Demolish individual structures; carting away arising debris and non re-useable materials from site; all as directed by the architect or as stipulated by the local by-laws					
1.1	Carefully demolish the existing 200 mm thick natural stone walling; making good disturbed surfaces; dispose off resulting debris as directed by the architect or as per the local authority regulations.	SM	150		
1.2	Carefully hack out and remove the existing wall tiles; make good any disturbed surfaces; dispose off resulting debris as directed by the architect or as per the local authority regulations.	SM	46		
1.3	Hack off the existing floor in cement/sand screed; make good any disturbed surfaces; dispose off resulting debris as directed by the architect or as per the local authority regulations.	SM	440		
1.4	Carefully take out the existing mild steel casement windows size 1500 x 1500 mm high (15 NO); 1000 x 1200 mm (19 No.); 2000 x 1800 mm high (1 NO); 500 x 500mm high (8 NO) and 750 x 900 (1 No) and hand over to the client; make good all disturbed surfaces.	ITEM			
1.5	Carefully demolish the existing roof with its associated roof covering; trusses; and purlins; dispose off as directed by the architect or as per local authority regulations.	SM	700		
Carried to Collection				KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.6	Carefully hack into the existing floor slab for 25 No. column pads size 1200 x 1200 x 300mm high ; making good disturbed surfaces including any necessary filling to voids with approved materials; dispose off resulting debris as directed by the architect or as per the local authority regulations	ITEM			
1.7	Allow a provisional sum of <u>Kshs. 120,000.00</u> only for any incidental additional works arising from the alterations and demolitions.				
	Carried to summary			Kshs	
	<u>COLLECTION</u>				
	PAGE NO. 3/1				
	PAGE NO. 3/2				
	TOTAL CARRIED TO SUMMARY			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
	<u>ELEMENT NO. 2</u>				
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	Site preparation				
1.8	Termidor EC' chemical anti termite treatment to top surfaces of hardcore blinding executed by Insecta Limited or other equal and approved anti termite treatment under a ten-year guarantee	SM	788		
	Excavation				
1.9	Excavate for vegetable soil average 200 mm deep: remove from site	SM	788		
1.10	Excavate foundation trenches upto depths not exceeding 1.5 metres deep from the reduced level	CM	138		
1.11	Ditto: column bases	CM	92		
1.12	Extra over excavation for excavating in rock irrespective of the class	CM	35		
	Disposal of excavated material				
1.13	Return fill and ram selected excavated materials around foundation walls and columns.	CM	131		
1.14	Remove surplus spoil from site and deposit in permanent spoil heaps at a site to be agreed with the Local Authority	CM	99		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Planking and strutting				
1.15	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	ITEM			
	Disposal of water				
1.16	Keep excavations free from all water bailing or pumping	ITEM			
	Fillings				
1.17	300 mm Thick crushed stone hardcore.	SM	516		
1.18	Ditto: ramps	CM	44		
1.19	Ditto: steps	CM	13		
1.20	50 mm Thick stone dust blinding to surfaces of hardcore rolled smooth to receive polythene damp proofing membrane (SM	516		
1.21	Ditto: ramps	SM	122		
1.22	Ditto: steps	SM	19		
	Insitu mass concrete class 15 (19 mm aggregates): vibrated: to				
1.23	50 mm Blinding under strip foundation	SM	115		
1.24	Ditto: column bases	SM	76		
	Insitu concrete class 20 (20 mm aggregate): vibrated: reinforced				
1.25	Strip foundations	CM	23		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Insitu concrete class 20 (20 mm aggregate): vibrated: reinforced Cont'd				
1.26	Column base/ foundation pads	CM	23		
1.27	Columns	CM	10		
1.28	Steps	CM	7		
1.29	200 mm Thick ramp	SM	122		
1.30	150 mm Thick floor slab	SM	647		
	KS ISO 6935-2 for Ribbed bars : (Provisional)				
1.31	8 mm Diameter bars	KG	1879		
1.32	10 mm Diameter bars	KG	3311		
1.33	12 mm Diameter bars	KG	1394		
1.34	16 mm Diameter bars	KG	2592		
	KS ISO 6935-2 for Ribbed bars : (Provisional)				
1.35	8 mm Bars	KG	1879		
	<u>Mesh fabric reinforcement to B.S. 4483: BRC reference A142 weighing 2.22 kilogrammes per square metre: in</u>				
1.36	Floor bed: 200 mm laps	SM	450		
	<u>Steel/ sawn softwood formwork: to</u>				
1.37	Vertical sides: foundations	SM	96		
1.38	Sides of column bases/ foundation pads	SM	92		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.39	Sides of columns	SM	92		
1.40	Ditto: curved at a mean radius of 150 mm	SM	10		
1.41	Edges of floor slab: over 75 but not exceeding 150 mm gi	LM	125		
	<u>Natural quarry stone walling with a minimum of 7.0 N/mm2 average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -</u>				
1.42	200 mm Thick walls	SM	249		
	Damp proofing Membrane				
	1000 Gauge polythene sheet damp proof membrane: to floors: with 300mm side and end laps measured net with no allowance for overlaps				
1.43		SM	450		
	Carried to Collection			KSHS	
	<u>COLLECTION</u>				
	PAGE NO. 3/3				
	PAGE NO. 3/4				
	PAGE NO. 3/5				
	PAGE NO. 3/6				
	TOTAL CARRIED TO SUMMARY			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
	<u>ELEMENT NO. 2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	Insitu concrete class 25 (20 mm aggregate): vibrated: reinforced				
1.44	Beams	CM	52		
1.45	Columns	CM	35		
1.46	150 mm Thick suspended slab	SM	792		
	KS ISO 6935-2 for Ribbed bars : (Provisional)				
1.47	8 mm Diameter bars	KG	4425		
	KS ISO 6935-2 for Ribbed bars : (Provisional)				
1.48	8 mm Diameter bars	KG	4425		
1.49	10 mm Diameter bars	KG	7796		
1.50	12 mm Diameter bars	KG	3285		
1.51	16 mm Diameter bars	KG	6103		
	Steel/ sawn formwork: to				
1.52	Sides and soffits: beams	SM	695		
1.53	Sides of columns	SM	349		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Steel/ sawn formwork: Cont'd				
1.54	Soffits of suspended slab	SM	792		
1.55	Edges of floor slab: over 75 but not exceeding 150 mm girth	LM	233		
	Carried to Collection			KSHS	
	<u>COLLECTION</u>				
	PAGE NO. 3/7				
	PAGE NO. 3/8				
	TOTAL CARRIED TO SUMMARY			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
	<u>ELEMENT NO. 4</u>				
	<u>WALLS</u>				
	<u>EXTERNAL WALLS</u>				
	Solid concrete block walling with a minimum of 7.0 N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
1.56	200 mm Thick walls	SM	711		
	<u>INTERNAL WALLS</u>				
	Solid concrete block walling with a minimum of 7.0 N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
1.57	200 mm Walls	SM	1045		
1.58	150 mm Walls	SM	20		
1.59	100 mm Walls	SM	77		
	Damp - proof course: bituminous felt: bedded in cement and sand (1:3) mortar: 300 mm laps				
1.60	Horizontal: 200 mm wide	LM	224		
1.61	Horizontal: 150 mm wide	LM	6		
1.62	Ditto: 100 mm wide	LM	27		
	<u>TOTAL CARRIED TO SUMMARY</u>			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>MAIN BULDING</u>				
	<u>ELEMENT NO. 4</u>				
	<u>STAIRCASES</u>				
	<u>MAIN STAIRCASE & RAMP</u>				
	<u>insitu concrete: class 25 (20 mm aggregate): vibrated reinforced concrete</u>				
1.63	Staircases	CM	2		
1.64	200 mm Wide stringer beam	CM	1		
1.65	Ramp beam	CM	7		
1.66	150 mm Thick suspended landing	SM	5		
1.67	150 mm Thick ramp	SM	63		
	KS ISO 6935-2 for Ribbed bars : (Provisional)				
1.68	8 mm Diameter bars	KG	603		
1.69	12 mm Diameter bars	KG	447		
	Steel formwork: to				
1.70	Sloping soffits of staircases	SM	8		
1.71	Vertical risers: over 75 but not exceeding 150 mm high	LM	24		
1.72	Ditto: edges of landings and ramp	LM	60		
	Carried to Collection			KSHS	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Steel formwork: Cont'd</u>				
1.73	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	LM	14		
1.74	Soffits: suspended landings	SM	5		
1.75	Soffits of ramp and ramp beams	SM	224		
	<u>20 mm Thick insitu terrazzo paving with and including approved marble chips: polished: on screeded beds(m/s): to</u>				
1.76	Landings and ramps	SM	68		
1.77	300 mm Wide treads : rounded edge	LM	23		
1.78	150 mm High risers	LM	24		
1.79	10mm Thick x 150 mm high skirting: with rounded top and coved junction with floor	LM	19		
1.80	Ditto: raking: to profile of treads and risers	LM	47		
1.81	30mm x 50 mm Wide non-slip carborundum inserts to treads	LM	23		
1.82	3mm x 25 mm Deep aluminium dividing strips set into terrazzo paving (provisional)	LM	10		
	<u>12 mm Thick lime plaster: steel trowelled: on concrete or blockwork: to</u>				
1.83	Horizontal soffits: landings	SM	68		
1.84	Sloping soffits: staircases & ramps	SM	71		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.85	Sides: sloping staircase strings & ramps	SM	64		
1.86	Vertical: edges of landings 150 mm wide	LM	10		
	<u>Prepare and apply three coats first grade matt emulsion paint with teflon surface protector as manufactured by Crown Solo Paints or equal and approved : on plastered surfaces: to</u>				
1.87	Soffits: landings	SM	68		
1.88	Ditto: sloping staircases	SM	71		
1.89	Sides: sloping staircase strings	SM	64		
1.90	Vertical: edges of landings over 100 but not exceeding 200 mm high	LM	10		
	<u>30 mm thick Cement and sand screeded beds on concrete: to</u>				
1.91	Landings & ramps: finished to receive terrazzo floorings	SM	68		
1.92	Ditto: 300 mm wide treads: ditto	LM	23		
1.93	Ditto: 150 mm risers: ditto	LM	24		
	<u>STAIRCASE & RAMP BALUSTRADING</u>				
	<u>Mild steel in bars, sections and plates: with one coat two-pack epoxy zinc chromate primer before fixing or equal and approved as described in:</u>				
1.94	75mm Diameter rolled tube handrail	LM	64		
1.95	Ditto: bottom rails	LM	64		
	Carried to Collection			KSHS	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.96	12mm diameter x 150mm long brackets	LM	24		
1.97	20mm Diameter x 3 mm thick RHS balusters 1050 mm long: at 200mm centres; one end exposed (900mm high) and twice welded onto bottom and hand rail; and the other end fish tailed and grouted in epoxy mortice concretemortar in 150mm deep	NO	340		
	<u>Prepare and apply one undercoat and two finishing coats of first grade two pack epoxy paint as manufactured by Crown paints or equal and approved paint as desribed in</u>				
1.98	Surfaces: over 100 but not exceeding 200 mm girth	LM	458		
	Carried to collection			KSHS	
	<u>COLLECTION</u>				
	PAGE NO. 3/10				
	PAGE NO. 3/11				
	PAGE NO. 3/12				
	PAGE NO. 3/13				
	<u>TOTAL CARRIED TO SUMMARY</u>			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>ELEMENT NO. 6</u>				
	<u>ROOFING AND RAINWATER DISPOSAL</u>				
	<u>24 Gauge IT5 roofing sheets type: prepainted blue both sides</u>				
1.99	Roof sheets laid with 94 mm side laps and 200 end laps (minimum): fixed to existing timber purlins	SM	1349		
1.100	Extra over roofing for ridge caps	LM	120		
1.101	Ditto; hip caps	LM	108		
1.102	Extra over labour item for raking cutting on roof sheets	LM	456		
	<u>Structural timbers: sawn cypress: celcure treated: with and including making holes, nailing plates & cleats, bolting , nailing, joining with hoop iron and fixing all structural members and hoisting to roof members</u>				
1.103	100 x 50 mm Wall plate	LM	407		
1.104	150 x 50 mm Trussed rafters	LM	219		
1.105	100 x 50 mm Struts and ties	LM	248		
1.106	150 x 50 mm Ceiling joists	LM	202		
	<u>Independent timber members</u>				
1.107	250 x 25 mm Ridge board	LM	120		
1.108	150 x 50 mm Hip rafters	LM	215		
1.109	150 x 50 mm Valley rafters	LM	155		
	Carried to collection			KSHS	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Mild steel				
1.110	12 mm Diameter holding down "J" bolts: 300 mm long with and including 80 x 80 x 6mm thick washer plate and nut built into concrete beam with and including 30mm thick concrete grout base and surrounding at 1200mm centres.	NO	246		
	RAINWATER DISPOSAL				
	22 gauge metal sheet as described in:-				
1.111	150 x 150mm Boxed gutter jointed with mastic and hemp gasket and held to fascia boards with and including mild steel brackets at 600mm c/c primed with one coat of zinc chromate antirust primer.	LM	309.5		
1.112	Extra over for boxed end size 150 x 150mm ditto.	NO	2		
	Prepare and apply first quality gloss oil paint to:-				
1.113	General surfaces of gutters.	SM	93		
	24 Gauge galvanized mild steel				
1.114	100 mm Diameter down pipes: fixed to concrete column at 600 mm centres with steel holder bats	LM	49		
1.115	Ditto : extra over for Horse shoe bends	NO	7		
1.116	Ditto: extra over for swan necked projections	NO	7		
	Fascia/Eaves				
	Wrot prime grade podo as described in:-				
1.117	Ex 100 x 25mm Eaves slats secretly nailed to and including 50 x 50mm sawn celcured cypress battens at 600mm c/c	SM	186		
1.118	Ex 20mm Quarter round beading to junctions of fascia boards	LM	619		
	Carried to Collection			KSH.	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.119	Ex 250 x 38mm Fascia and Verge boards fixed to roof str	LM	309.5		
	Painting and Decorating				
	Prepare fill up joints with approved wood filler and apply three coats polyurethane clear varnish to:				
1.120	General surfaces of eaves slats soffits.	SM	186		
1.121	Surface of wood work 0-100mm girth.	LM	619		
	Prepare, knot, prime, stop and apply three coats gloss oil paint from approved source to:				
1.122	Surface of fascia boards, 200-300mm girth.	LM	309.5		
	Carried to Collection			KSHS	
	<u>COLLECTION</u>				
	PAGE NO. 3/14				
	PAGE NO . 3/15				
	PAGE NO . 3/16				
	CARRIED TO SUMMARY			KSH	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
	<u>ELEMENT NO. 7</u>				
	<u>WINDOWS</u>				
	ALUMINIUM WINDOWS				
	Supply, assemble and fix; Powder coated aluminium windows: 100 x 50 mm x 3mm Thick frames and rails: including single glazed 8.5 mm Thick solar glass with 33% Solar radiation transmission factor, solar factor 0.47, solar shading coefficient 0.54 (to BS EN 673 and BS EN 410) as Saint-Gobain Glass Antelio Plus Blue Ray (ST 767) or equal and approved ; and including 15x 10mm aluminium fixing beads and approved gaskets: plugged screwed to concrete or blockwork: including hinges, brass fastenings and stays, lugs; ironmongery and accessories: all as per Architect's schedule: oiling : including 300 mm wide permanent vents louveres at all top sections of frames with mosquito gauze				
1.123	Window to ref no. W1 overall size 1500 x 1650mm high; details as per architectural schedules attached (records/pharmacy/laundry/child welfare & family planning/counseling & testing/delivery room/nutrition/registry/passage/ANC/PMTCT/MCM/CWC clinic & PP/PMC/male/female surgical ward/paediatric ward/surgeon's office/changing/recovery/wet areas/gynaecology ward)	NO	81		
1.124	Window to ref no. W2 overall size 1500 x 900mm high; details as per architectural schedules attached (linen/cleaner's store/ laundry/wet area/general store/wet areas in male/female surgical wards/theatre)	NO	39		
	Carried to Collection			KSHS	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.125	Window to ref no. W3 overall size 750 x 1200mm high; details as per architectural schedules attached <i>(consultations 2/cleaners' store)</i>	NO	2		
1.126	Window to ref no. W4 overall size 600 x 1200mm high; details as per architectural schedules attached <i>(consultations 1)</i>	NO	12		
1.127	Window to ref no. W5 overall size 1000 x 1200mm high; details as per architectural schedules attached <i>(pharmacy/store/stairway area)</i>	NO	28		
1.128	Window to ref no. W6 overall size 2900 x 1500mm high; details as per architectural schedules attached <i>(nurse station/reception/nurse room)</i>	NO	1		
1.129	Window to ref no. W7 overall size 2000 x 1500mm high; details as per architectural schedules attached <i>(ward/entry to newborn unit)</i>	NO	4		
1.130	Window to ref no. W8 overall size 1500 x 1200mm high; details as per architectural schedules attached <i>(Consultations 2/ injection & dressing/dressing/treatment/ward/PPCT)</i>	NO	10		
1.131	Window to ref no. W10 overall size 1600 x 1200mm high; details as per architectural schedules attached <i>(labour)</i>	NO	1		
1.132	Window to ref no. W11 overall size 1800 x 1200mm high; details as per architectural schedules attached <i>(bath)</i>	NO	1		
1.133	Window to ref no. W12 overall size 1800 x 1200mm high; details as per architectural schedules attached <i>(entry to delivery room)</i>	NO	3		
1.134	Allow for creating through wall window opening to ref no. W13 overall size 2400 x 1650mm high; details as per architectural schedules attached <i>(registry)</i>	NO	1		
	Carried to Collection			KSHS	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.135	Window to ref no. W14 overall size 1750 x 4050mm high; details as per architectural schedules attached (<i>ramp area</i>)	NO	1		
1.136	Window to ref no. W15 overall size 2250 x 1650mm high; details as per architectural schedules attached	NO	1		
1.137	Window to ref no. W16 overall size 3000 x 1200mm high; details as per architectural schedules attached (<i>passage</i>)	NO	4		
1.138	Window to ref no. W17 overall size 3000 x 1650mm high; details as per architectural schedules attached	NO	1		
1.139	Allow for creating through wall window opening to ref no. W18 overall size 2700 x 1650mm high; details as per architectural schedules attached (<i>registry</i>)	NO	1		
1.140	Window to ref no. W19 overall size 4500 x 1650mm high; details as per architectural schedules attached	NO	1		
1.141	Window to ref no. W20 overall size 1300 x 1200mm high; details as per architectural schedules attached	NO	1		
1.142	Window to ref no. W21 overall size 1350 x 4050mm high; details as per architectural schedules attached (<i>staircase</i>)	NO	1		
1.143	Window to ref no. W23 overall size 1200 x 1200mm high; details as per architectural schedules attached (<i>wet area/staircase/consultations 1</i>)	NO	2		
1.144	Window to ref no. W24 overall size 2350 x 4050mm high; details as per architectural schedules attached (<i>staircase</i>)	NO	1		
1.145	Window to ref no. W25 overall size 1350 x 4050mm high; details as per architectural schedules attached (<i>staircase</i>)	NO	1		
	Carried to Collection			KSHS	

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.146	Window to ref no. W26 overall size 3200 x 900mm high; details as per architectural schedules attached	NO	2		
1.147	Window to ref no. W27 overall size 2500 x 4050mm high; details as per architectural schedules attached	NO	1		
	<u>General joinery: wrot mahogany: selected and kept clean</u>				
1.148	200 x 25 mm Window board: plugged, screwed and pella	LM	303		
1.149	150 x 35 mm Thick pelmet box fascia	LM	303		
1.150	100 x 25 mm Thick pelmet box tops	LM	303		
1.151	25 x 50 mm Bearers: plugged	LM	303		
1.152	150 x 100 x 25 mm Thick returned ends	NO	408		
	Curtain rail				
1.153	"Silent gliss" or equal and approved heavy duty centres, laps and stops (double rail)	LM	606		
	6mm Thick clear sheet glass and glazing to metal with putty				
1.154	In panes over 0.1 but not exceeding 0.5 square metres	SM	408		
	6mm Thick obscure sheet glass and glazing to metal with putty				
1.155	In panes not exceeding 0.1 square metres;	SM	11		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Precast concrete units class 20 (19 mm aggregates): vibrated:				
1.156	265 x 75 mm Thick weathered and throated window cill: fairfaced on exposed surfaces: bedded jointed and pointed in cement and sand (1:4) mortar	LM	303		
	Prepare and apply one coat aluminium wood primer before fixing: on wood: to				
1.157	Surfaces not exceeding 100 mm girth	LM	303		
1.158	Surfaces: 100 - 200 mm girth	LM	909		
	<u>Prepare and apply three coats polyurethane clear varnish: on wood: to</u>				
1.159	Pelmet boxes: over 100 but not exceeding 200 mm girth	LM	606		
1.160	Window board: ditto	LM	303		
	<u>Prepare, touch up primer and apply three coats gloss oil paint: on metal: to</u>				
1.161	General surfaces: windows and grilles (measured flat ov	SM	816		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>COLLECTION</u>				
	PAGE NO. 3/17				
	PAGE NO. 3/18				
	PAGE NO. 3/19				
	PAGE NO. 3/20				
	PAGE NO. 3/21				
	<u>TOTAL CARRIED TO SUMMARY</u>			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
	<u>ELEMENT NO. 8</u>				
	<u>DOORS</u>				
	Aluminium Entrance Doors				
	Purpose made door: supply, assemble and fix purpose made natural anodised aluminium door and framing; stiles and top rails; 150 x 50 x 25mm middle and bottom rails; 10 mm thick silk screen laminated: toughened glass : complete with ironmongery; fixing with aluminium screws; plugging or fixing to concrete, blockwork or stone work;complete with all ironmongery and accessories; and burglar proofing to later Architectural details.				
1.162	Double leaf double swing door to ref no. D1 overall size 1500 x 2550mm high; comprising two openable leaves each size 750 x 2350mm high; complete with fanlight glazing overall size 1500 x 200mm high (refer to schedules attached)architectural	NO	1		
	Flush Door				
	45 mm Thick solid cored flush doors to B.S. 459 part 2: plywood faced both sides: hardwood lipped edges:				
1.163	45mm Thick single leaf single swing door to ref no. D2 overall size 900 x 2550mm high; plywood faced both sides: hardwood lipped edges: complete with fanlight glazing overall size 900 x 200mm high (refer to architectural schedules attached)	NO	101		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.164	Ditto; to ref no. D3 overall size 800 x 2100mm high: plywood faced both sides, hardwood lipped edges <i>(refer to architectural schedules attached)</i>	NO	92		
1.165	Ditto; to ref no. D12 overall size 750 x 2100mm high: plywood faced both sides, hardwood lipped edges <i>(refer to architectural schedules attached)</i>	NO	1		
1.166	45mm Thick double leaf double swing door to ref no. D4 overall size 1500 x 2550mm high; plywood faced both sides, hardwood lipped edges; comprising two openable leaves each size 750 x 2350mm high; complete with fanlight glazing overall size 1500 x 200mm high <i>(refer to architectural schedules attached)</i>	NO	1		
1.167	45mm Thick double leaf double swing door to ref no. D6 overall size 1500 x 2550mm high; lead-lined, hardwood lipped edges; comprising two openable leaves each size 750 x 2350mm high; complete with fanlight glazing overall size 1500 x 200mm high <i>(refer to architectural schedules attached)</i>	NO	1		
1.168	45mm Thick single leaf double swing door to ref no. D9 overall size 900 x 2550mm high; plywood faced both sides, hardwood lipped edges; complete with fanlight glazing overall size 900 x 200mm high <i>(refer to architectural schedules attached)</i>	NO	1		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Steel Doors				
	Supply, assemble and fix the following purpose made mild steel doors constructed from 20 x 20 x 3 mm SHS frame obtained from an approved manufacturer and primed with red oxide before delivery; complete with all necessary ironmongery including building lugs to jambs, plugging and screwing to stonework and bedding frames in waterproof cement mortar: pointing in approved mastic externally: oiling easing and adjusting.				
1.169	Mild steel door to ref no. D7 overall size 1500 x 2550mm high; comprising two openable leaves each size 750 x 2350mm high: complete with fanlight glazing overall size 1500 x 200mm high (<i>refer to architectural schedules attached</i>)	NO	2		
1.170	Ditto; to ref no. D8 overall size 1500 x 2100mm high; comprising two openable leaves each size 750 x 2100mm high (<i>refer to architectural schedules attached</i>)	NO	1		
	Frames and linings: mahogany or equal approved hardwood: selected and kept clean				
1.171	200 x 50 mm Frames: Three labours: plugged	LM	1090.2		
1.172	20 x 40 mm Architrave: screwed to frame and pellated	LM	1090.2		
1.173	20 x 20 mm Quadrant beading: one labour: ditto	LM	1090.2		
1.174	10 x 20 mm Glazing beads	LM	462.4		
1.175	100 x 50 mm Transomes; plug jointed to frames	LM	105.2		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Supply and fix the following ironmongery to timber complete with matching screws and keys as per 'UNION' manufacturers (reference to a particular catalogue are given as a guide to type and quality only, other equal and approved alternatives may be used)				
1.176	150 mm Heavy duty aluminium tapered hinges: with aluminium pin and screws; stainless steel double ball bearing	PRS	298.5		
1.177	Polished stainless steel three lever door and brass handle furniture set;(keyhole escutcheons, cylinder and latch); Reference to "UNION" Catalogue NO. 2237 or equal and approved	NO	104		
1.178	Ditto: but two lever as per "UNION" catalogue NO. 2102 BB	NO	93		
1.179	38mm Stainless steel floor mounted door stopper: Reference to "UNION 8400"; rawl bolted to concrete	NO	200		
	<u>6 mm Clear sheet fanlight glass and glazing to timber with beads (measured separately)</u>				
1.180	In panes not exceeding 0.1 square metres	SM	19		
	Prepare and apply one coat aluminium wood primer: before fixing: on wood: to				
1.181	Surfaces over 100 but not exceeding 200 mm girth	LM	1090.2		
	<u>Prepare and apply three coats polyurethane clear varnish: on wood: to</u>				
1.182	Doors: general surfaces	SM	758		
1.183	Frames: over 100 but not exceeding 200 mm girth	LM	1090.2		
1.184	Transomes: ditto	LM	105.2		
	Carried to Collection 1.192+A979:A980			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.185	Architraves: not exceeding 100 mm girth	LM	1090.2		
1.186	Quadrant beading : not exceeding 100 mm girth	LM	1090.2		
1.187	Glazing beads: ditto	LM	462.4		
	Prepare, touch up primer and apply three coats first grade gloss oil paint: on metal: to				
1.188	General surfaces: steel doors (measured flat overall)	SM	21		
	Carried to Collection			KSHS	
	<u>COLLECTION</u>				
	PAGE NO. 3/23				
	PAGE NO. 3/24				
	PAGE NO. 3/25				
	PAGE NO. 3/26				
	PAGE NO. 3/27				
	<u>TOTAL CARRIED TO SUMMARY</u>			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 3</u>				
	<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
	<u>ELEMENT NO. 9</u>				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screeded beds: on concrete: to				
1.189	30 mm Thick floors: finished to receive ceramic tiles	SM	1185		
1.19	Ditto: to receive granito tiles (<i>waiting area/passages/general store</i>)	SM	383		
1.191	38mm Thick floor: finished to receive epoxy floor finish (<i>linen store/laundry/theatre/sterilization/sluiice</i>)	SM	78		
	<u>300 x 300 x 10mm Thick polished non-slip ceramic tiles or other equal and approved porcelain tiles on screeded beds (m/s): bedded and jointed in screed and waterproof cement grout: to</u>				
1.192	Floors	SM	1185		
1.193	10 mm Thick x 150 mm high skirting with rounded top	LM	681		
	<u>450 x 450 x 10mm Thick granito tiles laid in 6mm thick joints both ways fixed to screeded beds (m/s): bedded and jointed in screed and waterproof cement grout: to</u>				
1.194	Floors	SM	383		
1.195	10 mm Thick x 150 mm high granito tile skirting	LM	126		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.196	<p><u>Master Top 1230 plus epoxy finish as manufactured by MBT Middle East LLC Dubai UAE and supplied and fixed by Kenbro Industried Limited or other equal and approved: laid in accordance with manufacturer's specifications (to be executed by an approved specialist)</u></p> <p>2mm Thick floors</p>	SM	78		
1.197	<p>EXTERNAL WALL FINISH</p> <p><u>15 mm Thick cement sand (1:3) render: wood floated: on concrete or blockwork: to</u></p> <p>Wall and beam surfaces</p> <p>Sand scrape and brush: existing plastered walls: feather off rough edges and fill cracks and defects with polyfilla: treat with fungicide and dust off; prepare and apply two undercoats and two coats first grade vinyl matt emulsion paint; to Crown 'Solo' or other equal and approved: to</p>	SM	711		
1.198	<p>Walls externally</p> <p><u>Prepare and apply three coats of first grade vinyl matt emulsion paint or other equal and approved paint: on rendered surfaces: to</u></p>	SM	200		
1.199	<p>Wall and beam surfaces</p> <p>INTERNAL WALL FINISHES</p> <p><u>Sand scrape and brush: existing plastered walls: feather off rough edges and fill cracks and defects with polyfilla: treat with fungicide and dust off; prepare and apply two undercoats and two coats first grade vinyl matt emulsion paint; to Crown 'Solo' or other equal and approved: to</u></p>	SM	711		
1.200	<p>Walls internally</p>	SM	531		
	Carried to Collection			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.201	<p><u>12 mm Thick lime plaster: steel trowelled: on concrete or blockwork: to</u></p> <p>Walls</p>	SM	2995		
1.202	<p><u>300 x 200 x 10 mm Thick coloured glazed ceramic wall tiles on backings (m/s) pointed and jointed in matching</u></p> <p>Walls</p>	SM	34		
1.203	Plastic beading for fair edges	LM	25		
1.204	<p><u>12 mm Cement and sand (1:4) backings: on concrete or blockwork: to</u></p> <p>Walls: finished to receive glazed tiles</p>	SM	34		
1.205	<p><u>Prepare and apply three coats first grade plastic emulsion paint: on plaster: to</u></p> <p>Walls</p>	SM	2961		
<u>CEILING FINISHES</u>					
1.206	<p><u>12 mm Thick gypsum ceiling : in 600 x 600 panels: v-jointed: on timber brandering (m/s): to</u></p> <p>Ceilings</p>	SM	792		
1.207	<p>General carpentry: sawn cypress: pressure impregnated with tanalith C</p> <p>50 x 50 mm Brandering at 600 mm centres both ways</p>	SM	792		
1.208	75 x 50 mm Brandering: plugged	LM	756		
Carried to Collection				KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	General joinery: wrot cypress: selected and kept clean				
1.209	100 x 25 mm Moulded cornice	LM	756		
	Prepare and apply one coat aluminium wood primer before fixing: on wood: to				
1.210	Surfaces not exceeding 100 mm girth	LM	756		
1.211	Ditto: surfaces 100 - 200 mm girth	LM	756		
	Prepare and apply three coats of first grade vinyl matt emulsion paint or other equal and approved paint; on plastered surfaces: to				
1.212	Ceiling soffits	SM	792		
1.213	Cornice: over 100 but not exceeding 200 mm girth	LM	756		
	Carried to Collection			KSHS	
	<u>COLLECTION</u>				
	PAGE NO. 3/28				
	PAGE NO. 3/29				
	PAGE NO. 3/30				
	PAGE NO. 3/31				
	<u>TOTAL CARRIED TO SUMMARY</u>			KSHS	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.214	<p><u>SECTION NO. 3</u></p> <p><u>HOSPITAL REHABILITATION AND EXTENSION</u></p> <p><u>ELEMENT NO. 10</u></p> <p><u>FITTINGS</u></p> <p>Provide a provisional sum of Kshs. Seven Million only for Hospital loose and Fixed furniture and fittings</p>	SUM			
	<p><u>TOTAL CARRIED TO SUMMARY</u></p>			KSHS	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	PAGE NO	RATE	AMOUNT
<u>SECTION NO. 3</u>				
<u>HOSPITAL REHABILITATION AND EXTENSION</u>				
<u>SUMMARY</u>				
<u>ELEMENT</u>				
-				
1	DEMOLITIONS AND ALTERATIONS	3/2		
2	SUBSTRUCTURES	3/6		
3	REINFORCED CONCRETE SUPERSTRUCTURE	3/8		
4	WALLING	3/9		
5	STAIRCASE AND RAMPS	3/13		
6	ROOFING AND RAINWATER DISPOSAL	3/16		
7	WINDOWS	3/22		
8	DOORS	3/27		
9	FINISHES	3/31		
10	FIXTURES AND FITTINGS	3/32		
<u>TOTAL CARRIED TO MAIN SUMMARY</u>		KSHS		

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 4</u>				
	<u>PUBLIC TOILETS</u>				
	<u>SUBSTRUCTURES (PROVISIONAL)</u>				
	Site preparation				
2.1	Clear site of works off grass, shrubs and small trees, grub up their roots and burn debris.	SM	28		
2.2	"Gladiator TC" or equal approved chemical anti - termite treatment to sub-soil or filling	SM	28		
	Excavation				
2.3	Excavate for vegetable soil average 200 mm deep: remove from site	SM	28		
2.4	Excavate to reduce levels not exceeding 1.5 metres deep	CM	14		
2.5	Excavate foundation trenches not exceeding 1.5 metres deep from the reduced level	CM	38		
2.6	Extra over all descriptions of excavations and removal from site for breaking up rock	CM	4		
	Disposal of excavated material				
2.7	Backfill and compact in 150 mm layers: selected excavated materials	CM	31		
2.8	Remove surplus spoil from site and deposit in permanent spoil heaps at a site to be agreed with the Local Authority	CM	7		
	Carried to Summary			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Planking and strutting				
2.9	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	ITEM			
	Disposal of water				
2.10	Keep excavations free from all water	ITEM			
	Fillings				
2.11	300mm thick Crushed hardcore fillings: deposited, spread levelled and compacted in 150 mm layers (Verandah)	SM	28		
2.12	50 mm Stone dust blinding to surfaces of hardcore	SM	28		
	In situ mass concrete class 15 (19 mm aggregates): vibrated: to				
2.13	50 mm Blinding under strip foundation	SM	26		
	In situ concrete class 20 (20 mm aggregate): vibrated: reinforced				
2.14	Foundations trenches	CM	5		
2.15	150 mm Floor slab	SM	28		
	High yield square twisted bars to B.S. 4461:1989 complete with spacer & tying wires (Provisional)				
2.16	8 mm Diameter bars	KG	150		
2.17	10 mm Diameter bars	KG	264		
2.18	12 mm Diameter bars	KG	111		
	Mesh fabric reinforcement to B.S. 4483: BRC reference A142 weighing 2.22 kilogrammes per square metre: in				
2.19	Floor bed: 200 mm laps	SM	28		
	Carried to Summary			KSHS	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Sawn formwork: to				
2.20	Vertical sides: foundations	SM	17		
2.21	Edges of slabs: over 75 but not exceeding 150 mm girth	LM	24		
	Natural quarry stone walling with a minimum of 7.0 N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
2.22	150 mm Thick walls	SM	35		
2.23	100 mm Thick walls	SM	20		
	<u>Damp proofing Membrane</u>				
2.24	1000 Gauge polythene sheet damp proof membrane: to floors: 300 mm laps	SM	28		
	Plinth				
2.25	12 mm Woodfloated cement and sand (1:4) render: on concrete or stonework	SM	13		
2.26	Prepare and apply three coats of bituminous oil paint on rendered plinth	SM	13		
	Carried to Collection			KSH	-
	COLLECTION				
	PAGE NO 4/1				-
	PAGE NO 4/2				-
	PAGE NO 4/3				-
	Carried to Summary			KSH	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	Insitu concrete class 20 (20 mm aggregate): vibrated: reinforced				
2.27	Beams	CM	3		
	<u>KS ISO 6935-2 for Ribbed bars : (Provisional)</u>				
2.28	8 mm Diameter bars	KG	114		
2.29	10 mm Diameter bars	KG	201		
	Sawn formwork: to				
2.30	Sides and soffits: ring beams	SM	34		
	Carried to summary			Ksh	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>WALLS</u>				
	<u>EXTERNAL WALLS</u>				
	Solid concrete block walling with a minimum of 7.0 N/mm2 average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
2.31	150 mm Thick walls	SM	48		
	<u>INTERNAL WALLS</u>				
	Solid concrete block walling with a minimum of 7.0 N/mm2 average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
2.32	150 mm Walls: ditto	SM	23		
2.33	100 mm Walls	SM	19		
	Damp - proof course: bituminous felt: bedded in cement and sand (1:3) mortar: 300 mm laps				
2.34	Horizontal: 150 mm wide	LM	35		
2.35	Horizontal: 100 mm wide	LM	8		
	Carried to Summary			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 3				
	MAIN BUILDING				
	ELEMENT NO. 4				
	ROOFING AND RAINWATER DISPOSAL(PROVISIONAL)				
	Gauge 28 prepainted roofing sheets as manufactured by Mabati Rolling Mills or other equal and approved source; with and including bolting and all labours of hoisting 2700mm above finished floor level as described in:-				
2.36	Roofing sheets laid with minimum 75mm side laps and 150mm end laps nailed to timber purlins including rubber	SM	31		
2.37	Extra over for raking cutting on ridge sheets.	LM	18		
	Structural timbers: sawn cypress: celcure treated: with and including hoisting to roof level				
2.38	150 x 50 mm Rafters	LM	17		
2.39	150 x 50 mm king posts	LM	3		
2.40	150 x 50 mm Ceiling joists	LM	16		
2.41	150 x 50 mm Purlins	LM	36		
2.42	100 x 50 mm Wall plate	LM	43		
2.43	100 x 50 mm Struts and ties	LM	22		
	Fascia/Eaves				
	Wrot prime grade podo as described in:-				
2.44	Ex 250 x 38mm fascia and Verge boards fixed to roof structure	LM	19		
	Painting and Decorating				
	Prepare, knot, prime, stop and apply three coats gloss oil paint from approved source to:				
2.45	Surface of fascia boards, 200-300mm girth.	LM	19		
	Carried to Summary			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	STEEL WINDOWS				
	Supply, assemble and fix the following purpose made mild steel windows: Fabricated from 32 x 2.5 mm Z and I sections: 16mm diameter horizontal bars at 150 mm centers and 16mm diameter vertical bars at 200mm centers complete with all the necessary coupling mullions and transomes: One coat red oxide primer before erection: building in lugs to jambs , plugging and screwing to head and cill: bedding all round in cement mortar, pointing one side in mastic : oiling easing and adjusting: ironmongery				
2.46	Window size 500 x 600 mm high : overall: comprising of 1 No. fixed panels size 500 x 300 mm high and 1No. Top hung openable panels size 500 x 300 mm high:	NO	9		
	5mm Thick obscure sheet glass and glazing to metal with putty				
2.47	In panes over 0.1 but not exceeding 0.5 square metres	SM	3		
	Precast concrete units class 20 (19 mm aggregates): vibrated: reinforced with 2 No. 6 mm diameter steel bars				
2.48	265 x 75 mm Thick weathered and throated window cill: fairfaced on exposed surfaces: bedded jointed and pointed in cement and sand (1:4) mortar	LM	5		
	Prepare, touch up primer and apply three coats gloss oil paint: on metal: to				
2.49	General surfaces: windows (measured flat overall)	SM	5		
	Carried to Summary			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	DOORS				
	Flush doors to B.S. 459 part 2				
2.50	45 mm Thick Solid cored door size 860 x 2100 mm high: mahogany veneered both sides: hardwood lipped edges	NO	5		
	Frames and linings: mahogany or equal approved hardwood: selected and kept clean				
2.51	150 x 50 mm Frames: Two labours: plugged	LM	25		
2.52	20 x 40 mm Architrave: screwed and pelltated	LM	25		
2.53	20 x 20 mm Quadrant beading: one labour: ditto	LM	25		
	Supply and fix the following ironmongery to timber complete with matching screws and keys as per 'UNION' manufacturers (reference to a particular catalogue are given as a guide to type and quality only, other equal and approved alternatives may be used)				
2.54	150 mm Double brass butt heavy duty hinges: with brass pin and screws	PRS	7.5		
2.55	2 Lever "UNION" mortice lock with enhanced "D" handles catalogue NO. 2102 BB	NO	5		
2.56	38 mm Door stop: as "UNION" 8400 rawl bolted to concrete	NO	5		
2.57	150 mm Flush bolts: "UNION" 8052	NO	5		
	Carried to Collection			KSHS	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Prepare and apply one coat aluminium wood primer: before fixing: on wood: to				
2.58	Surfaces not exceeding 100 mm girth	LM	50		
2.59	Ditto: over 100 but not exceeding 200 mm girth	LM	25		
	Prepare and apply three coats polyurethane clear varnish: on wood: to				
2.60	Doors: general surfaces	SM	18		
2.61	Frames: over 200 but not exceeding 300 mm girth	LM	25		
2.62	Architraves: not exceeding 100 mm girth	LM	25		
2.63	Quadrant beading : not exceeding 100 mm girth	LM	25		
	Carried to collection			Kshs.	-
	COLLECTION				
	PAGE NO 4/8				-
	PAGE NO 4/9				-
	Carried to Summary			Kshs	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screeded beds: on concrete: to				
2.64	30 mm Thick to receive Ceramic tiles	SM	28		
	300 x 300 x 10mm Thick polished non-slip ceramic tiles as manufactured by Saj Industries or equal and approved: on bed: bedded and jointed in screeded and waterproof cement grout: to				
2.65	Floors	SM	28		
2.66	Ditto: 8 mm Thick x 100 mm high skirting	LM	11		
	<u>EXTERNAL WALL FINISHES</u>				
	19 mm Cement and sand (1:3) render: wood floated: on concrete or blockwork: to				
2.67	Beams	SM	9		
2.68	Walls	SM	48		
	Prepare and apply two undercoats; Two coats first grade crown matt emulsion with teflon surface protector or other equal and approved manufacturer				
2.69	Rendered beam surfaces	SM	9		
2.70	Ditto: Walls	SM	48		
	Carried to Summary			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>INTERNAL WALL FINISHES</u>				
	12 mm Thick lime plaster: steel trowelled: on concrete or blockwork: to				
2.71	Walls	SM	132		
	150 x 150 x 6 mm Thick coloured glazed ceramic wall tiles on backings (m/s) pointed and jointed in matching cement mortar: to				
2.72	Walls	SM	54		
2.73	Plastic beading for fair edges	LM	23		
	12 mm Cement and sand (1:4) backings: on concrete or blockwork: to				
2.74	Walls: finished to receive glazed tiles	SM	54		
	Prepare and apply three coats first grade plastic emulsion paint: on plaster: to				
2.75	Walls	SM	132		
	<u>CEILING FINISHES</u>				
	12 mm Thick chipboard ceiling boards: in 600 x 600 panels: v-jointed: on timber brandering (m/s): to				
2.76	Ceilings	SM	28		
	General carpentry: sawn cypress: pressure impregnated with tanalith C				
2.77	50 x 50 mm Brandering at 600 mm centres both ways	SM	28		
2.78	75 x 50 mm Brandering: plugged	LM	20		
	Carried to Collection			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	General joinery: wrot camphor: selected and kept clean				
2.79	100 x 25 mm Moulded cornice	LM	42		
	Prepare and apply one coat aluminium wood primer beforefixing: on wood: to				
2.78	Surfaces not exceeding 100 mm girth	LM	42		
	Prepare and apply three coats of silk vinyl Emulsion paint as Crown Berger (k) ltd or equal and approved manufacturer to:				
2.79	Chipboard Ceiling soffits	SM	28		
2.80	Cornice: over 100 but not exceeding 200 mm girth	LM	42		
	Carried to Collection			Kshs	-
	COLLECTION				
	PAGE NO. 4/10				-
	PAGE NO. 4/11				-
	PAGE NO. 4/12				-
	Carried to summary			Kshs	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>MECHANICAL ENGINEERING SERVICES</u>				
	Builders work in connection with mechanical services: cut and/or leave and make good thereafter for sanitary fittings, equipments and pipe work therein: concealed type plumbing and ducting : for				
2.81	W.C. Suite	NO	5		
2.82	Wash hand basins	NO	4		
2.83	Urinal bowls	NO	3		
	Carried to Collection			Kshs	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.84	<p><u>ELECTRICAL ENGINEERING SERVICES</u></p> <p>Builders work in connection with electrical services Cut and/or chase and make good thereafter for electrical installations including associated switches and concealed conduits therewith: for</p> <p>Lighting points and switches</p>	NO	9		
	Carried to Summary			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	PAGE	AMOUNT (KES)
SUMMARY			
	ELEMENT	PAGE NO.	AMOUNT
1	SUBSTRUCTURES (ALL PROVISIONAL)	4/3	
2	R.C SUPERSTRUCTURE	4/4	
3	WALLING	4/5	
4	ROOFING	4/6	
5	WINDOWS	4/7	
6	DOORS	4/8	
7	FINISHES	4/12	
8	MECHANICAL ENGINEERING SERVICES	4/13	
9	ELECTRICAL ENGINEERING SERVICES	4/14	
TOTAL ESTIMATED COST OF CONSTRUCTION			Kshs.

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 5</u>				
	<u>KITCHEN</u>				
	<u>SUBSTRUCTURES (PROVISIONAL)</u>				
	Site preparation				
3.10	Clear site of works off grass, shrubs and small trees, grub up their roots and burn debris.	SM	42		
3.20	"Gladiator TC" or equal approved chemical anti - termite treatment to sub-soil or filling	SM	42		
	Excavation				
3.30	Excavate for vegetable soil average 200 mm deep: remove from site	SM	42		
3.40	Excavate foundation trenches upto depths not exceeding 1.5 metres deep from the reduced level	CM	23		
3.50	Ditto: column bases	CM	2		
3.50	Extra over excavation for excavating in rock irrespective of the class	CM	4		
	Disposal of excavated material				
3.60	Return fill and ram selected excavated materials around foundation walls and columns.	CM	13		
3.70	Remove surplus spoil from site and deposit in permanent spoil heaps at a site to be agreed with the Local Authority	CM	12		
	Carried to Summary			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Planking and strutting				
3.80	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	ITEM			
	Disposal of water				
3.90	Keep excavations free from all water	ITEM			
	Fillings				
3.10	300mm Thick Crushed hardcore fillings: deposited, spread levelled and compacted in 150 mm layers (Verandah)	SM	35		
3.11	50 mm Stone dust blinding to surfaces of hardcore	SM	35		
	Insitu mass concrete class 15 (19 mm aggregates): vibrated: to				
3.12	50 mm Blinding under strip foundation	SM	20		
3.13	Ditto; under column bases	SM	1		
	Insitu concrete class 20 (20 mm aggregate): vibrated: reinforced				
3.14	Foundations trenches	CM	4		
3.15	Columns and column bases	CM	1		
3.16	150 mm Floor slab	SM	42		
	<u>KS ISO 6935-2 for Ribbed bars : (Provisional)</u>				
3.17	8 mm Diameter bars	KG	150		
3.18	10 mm Diameter bars	KG	264		
3.19	12 mm Diameter bars	KG	111		
	Carried to Summary			KSHS	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Mesh fabric reinforcement to B.S. 4483: BRC reference A142 weighing 2.22 kilogrammes per square metre: in				
3.20	Floor bed: 200 mm laps	SM	42		
	Sawn formwork: to				
3.21	Vertical sides: foundations	SM	16		
3.22	Edges of slabs: over 75 but not exceeding 150 mm girth	LM	26		
	Natural quarry stone walling with a minimum of 7.0 N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm hick hoop iron strips at alternate courses to: -				
3.23	200 mm Thick walls	SM	42		
	<u>Damp proofing Membrane</u>				
3.24	1000 Gauge polythene sheet damp proof membrane: to floors: 300 mm laps	SM	42		
	Plinth				
3.25	12 mm Woodfloated cement and sand (1:4) render: on concrete or stonework	SM	13		
3.26	Prepare and apply three coats of bituminous oil paint on rendered plinth	SM	13		
	Carried to Collection			KSH	
	COLLECTION				
	PAGE NO 5/1				
	PAGE NO 5/2				
	PAGE NO 5/3				
	Carried to Summary			KSH	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>REINFORCED CONCRETE</u>				
	<u>SUPERSTRUCTURE</u>				
	Insitu concrete class 20 (20 mm aggregate): vibrated: reinforced				
3.27	Beams	CM	2		
3.28	Columns	CM	0.5		
	<u>KS ISO 6935-2 for Ribbed bars : (Provisional)</u>				
3.29	8 mm Diameter bars	KG	95		
3.30	10 mm Diameter bars	KG	262		
	Sawn formwork: to				
3.31	Sides and soffits: ring beams	SM	27		
3.32	Sides of columns	SM	8		
	Carried to summary			Ksh	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>WALLS</u>				
	<u>EXTERNAL WALLS</u>				
	Solid concrete block walling with a minimum of 7.0 N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
3.33	200 mm Thick walls	SM	48		
	<u>INTERNAL WALLS</u>				
	Solid concrete block walling with a minimum of 7.0 N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4) mortar ; reinforced with 25 x 3 mm thick hoop iron strips at alternate courses to: -				
3.34	200 mm Walls: ditto	SM	15		
	Damp - proof course: bituminous felt: bedded in cement and sand (1:3) mortar: 300 mm laps				
3.35	Horizontal: 200 mm wide	LM	30		
	Carried to Summary			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 3				
	MAIN BUILDING				
	ELEMENT NO. 4				
	ROOFING AND RAINWATER DISPOSAL(PROVISIONAL)				
	Gauge 28 prepainted roofing sheets as manufactured by Mabati Rolling Mills or other equal and approved source; with and including bolting and all labours of hoisting 2700mm above finished floor level as described in:-				
3.36	Roofing sheets laid with minimum 75mm side laps and 150mm end laps nailed to timber purlins including rubber washers to match.	SM	46		
3.37	Extra over for ridge caps	LM	8		
3.38	Extra over for raking cutting on ridge sheets.	LM	16		
	Structural timbers: sawn cypress: celcure treated: with and including hoisting to roof level				
3.39	150 x 50 mm Rafters	LM	47		
3.40	150 x 50 mm king posts	LM	9		
3.41	150 x 50 mm Ceiling joists	LM	43		
3.42	150 x 50 mm Purlins	LM	16		
3.43	100 x 50 mm Wall plate	LM	33		
3.44	100 x 50 mm Struts and ties	LM	32		
	RAINWATER DISPOSAL				
	22 gauge metal sheet as described in:-				
3.45	150 x 150mm Boxed gutter jointed with mastic and hemp gasket and held to fascia boards with and including mild steel brackets at 600mm c/c primed with one coat of zinc chromate antirust primer.	LM	16		
	Carried to Collection			KSHS	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.46	Extra over for boxed end size 150 x 150mm ditto.	NO	4		
	Prepare and apply first quality gloss oil paint to:-				
3.47	General surfaces of gutters.	SM	5		
	<u>24 Gauge galvanized mild steel</u>				
3.48	100 mm Diameter down pipes: fixed to concrete column at 600 mm centres with steel holder bats	LM	6		
3.50	Ditto : extra over for Horse shoe bends	NO	2		
3.51	Ditto: extra over for swan necked projections	NO	2		
	Fascia/Eaves				
	Wrot prime grade podo as described in:-				
3.52	Ex 100 x 25mm Eaves slats secretly nailed to and including 50 x 50mm sawn celcured cypress battens at 600mm c/c	SM	16		
3.53	Ex 20mm Quarter round beading to junctions of fascia boards and T&G.	LM	54		
3.54	Ex 250 x 38mm Fascia and Verge boards fixed to roof structure	LM	27		
	Painting and Decorating				
	Prepare fill up joints with approved wood filler and apply three coats polyurethane clear varnish to:				
3.55	General surfaces of eaves slats soffits.	SM	16		
3.56	Surface of wood work 0-100mm girth.	LM	54		
	Carried to Collection			KSHS	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.57	<p>Prepare, knot, prime, stop and apply three coats gloss oil paint from approved source to:</p> <p>Surface of fascia boards, 200-300mm girth.</p> <p>Carried to Collection</p> <p>COLLECTION</p> <p>PAGE NO. 5/6</p> <p>PAGE NO . 5/7</p> <p>PAGE NO . 5/8</p> <p>CARRIED TO SUMMARY</p>	LM	27	KSHS	
				KSH	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	STEEL WINDOWS				
	Supply, assemble and fix the following purpose made mild steel windows: Fabricated from 32 x 2.5 mm Z and I sections: 16mm diameter horizontal bars at 150 mm centers and 16mm diameter vertical bars at 200mm centers complete with all the necessary coupling mullions and transomes: One coat red oxide primer before erection: building in lugs to jambs , plugging and screwing to head and cill: bedding all round in cement mortar, pointing one side in mastic : oiling easing and adjusting: ironmongery				
3.58	Window size 3500 x 1200 mm high (<i>Kitchen</i>)	NO	1		
3.59	Ditto: size 1500 x 1200 mm high (<i>Kitchen & store</i>)	NO	2		
3.60	Ditto: size 1000 x 1200 mm high	NO	1		
	5mm Thick clear sheet glass and glazing to metal with putty				
3.61	In panes over 0.1 but not exceeding 0.5 square metres	SM	9		
	Precast concrete units class 20 (19 mm aggregates): vibrated: reinforced with 2 No. 6 mm diameter steel bars				
3.62	265 x 75 mm Thick weathered and throated window cill: fairfaced on exposed surfaces: bedded jointed and pointed in cement and sand (1:4) mortar	LM	8		
	Prepare, touch up primer and apply three coats gloss oil paint: on metal: to				
3.63	General surfaces: windows (measured flat overall)	SM	18		
	Carried to Summary			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	DOORS				
	Flush doors to B.S. 459 part 2				
	50 mm Thick solid cored flush doors to B.S. 459 part 2: mahogany veneered both sides: hardwood lipped edges:				
3.64	45 mm Thick double door overall size 1200 x 2400 mm high : mahogany veneered both sides, hardwood lipped edges (Main kitchen entrance door)	NO	1		
3.65	mahogany veneered both sides: hardwood lipped edges (store)	NO	3		
	Frames and linings: mahogany or equal approved hardwood: selected and kept clean				
3.66	150 x 50 mm Frames: Two labours: plugged	LM	24		
3.67	20 x 40 mm Architrave: screwed and pelltated	LM	23		
3.68	20 x 20 mm Quadrant beading: one labour: ditto	LM	23		
	Supply and fix the following ironmongery to timber complete with matching screws and keys as per 'UNION' manufacturers (reference to a particular catalogue are given as a guide to type and quality only, other equal and approved alternatives may be used)				
3.69	150 mm Double brass butt heavy duty hinges: with brass pin and screws	PRS	7.5		
3.70	2 Lever "UNION" mortice lock with enhanced " D " handles catalogue NO. 2102 BB	NO	4		
3.71	38 mm Door stop: as "UNION" 8400 rawl bolted to concrete	NO	5		
	Carried to Collection			KSHS	-
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT

Prepare and apply one coat aluminium wood primer: before fixing: on wood: to					
3.72	Surfaces not exceeding 100 mm girth	LM	46		
3.73	Ditto: over 100 but not exceeding 200 mm girth	LM	24		
Prepare and apply three coats polyurethane clear varnish: on wood: to					
3.74	Doors: general surfaces	SM	17		
3.75	Frames: over 200 but not exceeding 300 mm girth	LM	24		
3.76	Architraves: not exceeding 100 mm girth	LM	23		
3.77	Quadrant beading : not exceeding 100 mm girth	LM	23		
Carried to collection				Kshs.	-
COLLECTION					
PAGE NO 5/10					-
PAGE NO 5/11					-
Carried to Summary				Kshs	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screeded beds: on concrete: to				
3.78	30 mm Thick to receive Ceramic tiles	SM	35		
	manufactured by Saj Industries or equal and approved: on				
3.79	Floors	SM	35		
3.80	Ditto: 8 mm Thick x 100 mm high skirting	LM	35		
	<u>EXTERNAL WALL FINISHES</u>				
	19 mm Cement and sand (1:3) render: wood floated: on concrete or blockwork: to				
3.81	Beams	SM	10		
3.82	Walls	SM	48		
	Prepare and apply two undercoats; Two coats first grade crown matt emulsion with teflon surface protector or other equal and approved manufacturer				
3.83	Rendered beam surfaces	SM	10		
3.84	Ditto: Walls	SM	48		
	Carried to Summary			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>INTERNAL WALL FINISHES</u>				
	12 mm Thick lime plaster: steel trowelled: on concrete or blockwork: to				
3.85	Walls	SM	78		
	150 x 150 x 6 mm Thick coloured glazed ceramic wall tiles on backings (m/s) pointed and jointed in matching cement mortar: to				
3.86	Walls	SM	15		
3.87	Plastic beading for fair edges	LM	5		
	12 mm Cement and sand (1:4) backings: on concrete or blockwork: to				
3.88	Walls: finished to receive glazed tiles	SM	15		
	Prepare and apply three coats first grade plastic emulsion paint: on plaster: to				
3.89	Walls	SM	63		
	<u>CEILING FINISHES</u>				
	12 mm Thick chipboard ceiling boards: in 600 x 600 panels: v-jointed: on timber brandering (m/s): to				
3.90	Ceilings	SM	35		
	General carpentry: sawn cypress: pressure impregnated with tanalith C				
3.91	50 x 50 mm Brandering at 600 mm centres both ways	SM	35		
3.92	75 x 50 mm Brandering: plugged	LM	20		
	Carried to Collection			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	General joinery: wrot camphor: selected and kept clean				
3.93	100 x 25 mm Moulded cornice	LM	39		
	Prepare and apply one coat aluminium wood primer beforefixing: on wood: to				
3.94	Surfaces not exceeding 100 mm girth	LM	39		
	Prepare and apply three coats of silk vinyl Emulsion paint as Crown Berger (k) ltd or equal and approved manufacturer to:				
3.95	Chipboard ceiling soffits	SM	35		
3.96	Cornice: over 100 but not exceeding 200 mm girth	LM	39		
	Carried to Collection			Kshs	-
	COLLECTION				
	PAGE NO. 5/12				-
	PAGE NO. 5/13				-
	PAGE NO. 5/14				-
	Carried to summary			Kshs	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.97	<p><u>JOINERY FITTINGS</u></p> <p>Kitchen counter tops</p> <p>Kitchen countertop overall size 10000 x 600 x 900mm high supported on steel framework. Allow for cutting 1 No. opening size 800 x 450mm thick for stainless steel single drainer single bowl kitchen sink.</p> <p>Carried to Summary</p>	No.	1	Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.98	<p><u>MECHANICAL ENGINEERING SERVICES</u></p> <p>Builders work in connection with mechanical services: cut and/or leave and make good thereafter for sanitary fittings, equipment and pipe work therein: concealed type plumbing and ducting: for</p> <p>Kitchen sink</p>	NO	1		
	Carried to Summary			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>ELECTRICAL ENGINEERING SERVICES</p> <p>Builders work in connection with electrical services Cut and/or chase and make good thereafter for electrical installations including associated switches and concealed conduits therewith: for</p> <p>3.99 Lighting points and switches</p>	NO	6		
	Carried to Summary			Kshs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SUMMARY				
	ELEMENT			PAGE NO.	AMOUNT
1.00	SUBSTRUCTURES (ALL PROVISIONAL)			5/3	
2.00	R.C SUPERSTRUCTURE			5/4	
3.00	WALLING			5/5	
4.00	ROOFING			5/8	
5.00	WINDOWS			5/9	
6.00	DOORS			5/11	
7.00	FINISHES			5/14	
8.00	JOINERY FITTINGS			5/15	
9.00	MECHANICAL ENGINEERING SERVICES			5/16	
10.00	ELECTRICAL ENGINEERING SERVICES			5/17	
	TOTAL ESTIMATED COST OF CONSTRUCTION			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

BILL OF QUANTITIES FOR ELECTRICAL INSTALLATION WORKS

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
<u>LIGHTING AND POWER-GROUND FLOOR</u>					
	Final sub-circuits complete with accessories and fittings as detailed below wired in 20mm diameter conduits clipped onto the ceiling using spacer saddles on one part and in partitioning board on the other part.				
4.1	Lighting points, wired in 3x1.5mm sq single core cables for one/two way switching	NO.	218		
4.2	13A twin power points, wired in 3x 2.5mm sq single core cables in ring circuit enclosed and concealed PVC conduits	NO.	69		
4.3	13A twin power points, wired in 3x 2.5mm sq single core cables in ring circuit enclosed in trunking	NO.	65		
4.4	200x50mm 3 compartment powder coated metallic trunking complete with tees, crossover, bends end cap, jacking brackets etc	LM	338		
4.5	4x32mm diameter PVC conduits for interlinking trunking where it has to pass in the floor. Otherwise all trunking crossing the doors should go above it	LM	50		
4.6	Single outlet phase plate for the trunking. This should be the same colour as the trunking and coated at the same time as trunking.	NO.	65		
4.7	Twin outlet phase plate for the trunking. This should be the same colour as the trunking and coated at the same time as trunking.	NO.	65		
4.8	Hand drier power points, wired in 3x 2.5mm sq single core cables enclosed and concealed in PVC conduits	NO.	8		
4.9	Nurse Call outlet point with a draw-wire left inside 25mm dia. PVC heavy gauge conduits concealed in the floor and walls but without the outlet plate.	NO.	22		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					-

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
<u>LIGHT FITTINGS AND ACCESSORIES</u>					
<u>Lighting control accessories complete with wiring terminations and fixing materials</u>					
4.10	6A One gang two way as Crabtree 4070	NO.	7		
4.11	6A One gang one way as Crabtree	NO.	51		
4.12	6A Two gang two way as Crabtree 4172	NO.	5		
4.13	6A Three gang one way as Crabtree 4173	NO.	2		
4.14	6A Three gang two way as Crabtree	NO.	5		
<u>Lighting fittings as shown in the drawings complete with control gears and lamps:-</u>					
4.15	600x600mm, 4x18W recessed fluorescent fitting with CAT 2 aluminium reflector as Moonlight	NO.	31		
4.16	2x36W Horizontal low energy downlighter as Micromark mm31237(type A)	NO.	7		
4.17	1200mm, 1x36W Waterproof fluorescent fitting with as THORN PP136	NO.	18		
4.18	1200mm, 1x36W batten fluorescent fitting with as THORN	NO.	22		
4.19	Lantern for Tubular HPS lamp with High Performance reflector as THORN BETA 79(TypeF)	NO.	25		
4.20	Shallow downlight for 2x18W Compact Fluorescent Fitting as THORN SWING 100 SGF218 (Type B)	NO.	42		
4.21	Recessed Round Dichroic low Voltage Downlight with Aluminium effect as THORN FVC 2D16 HPF(Type C)	NO.	4		
4.22	Recessed 180mm diameter Horizontal downlighter with Energy saving bulbs(TypeG)	NO.	57		
4.23	Recessed 125mm diameter Horizontal downlighter with Energy saving bulbs(TypeD)	NO.	4		
4.24	Emergency Exit light as THORN	NO.	5		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					-

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>Supply and install power point accessories & equipment complete with associated wiring terminations & fixing materials</u>				
4.25	20A DP switch for hand drier/ac unit with neon indicator as Crabtree Cat. No. 4013/3	NO	8		
4.26	13amps twin switched socket outlet plate as crabtree or equivalent and approved.	NO	134		
4.27	Allow for builders work related to Electrical Installation	item			
4.28	Blanking covers for data outlet points	NO	12		
4.29	Adaptable box of size 150x150x75mm made out of 16 gauge and for power reticulation spares and telephone	No	2		
	<u>LIGHTENING ARRESTOR AS FURSE</u>				
4.30	1000x25mm diameter air terminal spike complete with base	NO.	2		
4.31	25x3mm copper tape complete with mounting clips	Lm	150		
4.32	Allow for testing of resistivity of the soil	item			
4.33	Test clamp	NO	2		
4.34	Earthing comprising of copper earth electrode 1500mm long x15mm diameter enclosed by a concrete manhole of size450x450x450mm with removable concrete cover	NO	2		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					-

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
<u>LV SWITCHBOARD</u>					
4.35	Powder coated to IP65 LV switchboard as manufactured by either Power Technics or Specialized Power Systems with the following: - a) 1No. TP 160A MCCB with shunt trip coil b) 2No. TP 63A MCB c) 1NO. SP 30A MCB d) 1No. TP 200A BURSBAR e) 1No. Digital power meter as LOVATO DMK 40 f) Set of pilot lights a) 2No. TP 160A MCCB without shunt trip SPACE FOR j) 1No. KPLC 3phase METERS & CUT OUT k) Space for KPLC sealable CT chamber Appropriate knockouts for incoming and out going cables	item	1		
4.36	Allow for liaison with KPLC for relocation of 1No. three phase KPLC meter. This should start immediately the contractor is appointed to avoid delay.	Item	1		
4.37	Earthing of LV Switch Board comprising of copper earth electrode of size1500mm long x15mm diameter enclosed by a concrete manhole of size 450x450x450mm with removable concrete cover and a 50mm diameter PVC heavy gauge lead in duct and bonded to the board using 35mm ² SC cable as per the Power Company requirements.	NO	1		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					-

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	POWER DISTRIBUTION				
	Supply, install and commission the following: -				
4.38	50mm diameter sub-mains PVC conduits from KPLC to to DB complete with bends, coupler,saddles etc.	LM	85		
4.39	32mm diameter sub mains PVC HG conduit from DB'D' to CU'A'to CU'B' and CU'C' complete with bends, coupler saddles etc.	LM	24		
4.40	4C, 35mm ² PVC/SWA/PVC copper cable for distribution of power from meter board to DB in 50mm diameter conduit above	LM	85		
4.41	4C, 50mm ² PVC/SWA/PVC copper cable for distribution of power from meter board to DB'A' in 50mm diameter conduit	LM	24		
4.42	60A SPN isolator as MEM or equal and approved	NO.	2		
4.43	Cable glands and shroud for terminating 4C, 35mm ² PVC/PVC/PVC cable	NO	1		
4.44	Cable glands and shroud for terminating 3C, 16mm ² PVC/PVC/PVC cable	NO	1		
4.45	Earthing comprising of copper earth electrode of size1500mm long x15mm diameter enclosed by a concrete manhole of size450x450x450mm with removable concrete cover and a 38mm diameter PVC heavy gauge conduit lead-in duct and bonded to the board using 10mm ² SC cable to approval	NO	1		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					-

Kindly note that the rates applied MUST be VAT exclusive

COLLECTION PAGE - GROUND FLOOR

ITEM NO.	DESCRIPTION	TOTAL KSHS.
1.0	TOTAL BROUGHT FORWARD FROM: PAGE 1	
2.0	PAGE 2	
3.0	PAGE 3	
4.0	PAGE 4	
5.0	PAGE 5	
TOTAL CARRIED TO SUMMARY PAGE		

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>FIRE ALARM INSTALLATION</u>				
	<u>Supply, install, test and commission the following</u>				
	All detectors to be as MENVIER model numbers indicated. All detectors to be complete with mounting base				
4.46	Fire alarm points, wired using 3 x 2.5mm ² single core PVC insulated Copper cables drawn in 20mm diameter heavy gauge conduit concealed in floor and roof space for one way switching but excluding the fittings and switches.	NO.	62		
4.47	Batteries and charger control panel complete with	NO.	1		
4.48	Conventional photoelectric smoke detectors model No. MPD720	No.	56		
4.49	Conventional manual call units Model No. MPG 913	No.	5		
4.50	Fire alarm electronic sounders Model No. MWS424	No.	5		
TOTAL CARRIED TO SUMMARY PAGE					-

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	STRUCTURED CABLING				
	Supply, install, lay and set to work structured cabling system drawn in trunking provided elsewhere: - Rates to include, Vat, labour and any others charges				
4.51	Category 6 4 pair UTP cable as Siemon fully wired average length is 50m per point	No	65		
4.52	Dual RJ 45 category 6 UTP dual outlets plate complete with flush mounting plate and module as Siemon.	No	33		
4.53	Category 6 4 pair UTP 1m patch cord as Siemon	No.	33		
4.54	Category 6 4 pair UTP 3m patch cord as Siemon	No.	33		
4.55	18U Powder coated size 600x800x685mm wall mounted cabinet complete with locking glass, 4 fans 6 power outlet Power cable 1No. Sollatek surge protector, and signal grounding key.	No.	1		
4.56	Category 6 48port patch panel	No.	2		
4.57	48-port Cisco switch as WS C2960-48TT-S Catalyst 2960 48 10/100 + 2 1000BT LAN Lite Image	No.	1		
4.58	24-port Cisco switch as WS C2960-24TT-S Catalyst 2960 24 10/100 + 2 1000BT LAN Lite Image	No.	1		
4.59	2U Horizontal patch lead organiser	No.	2		
4.60	Liason Charges for provision of 4No. Telecom land lines	item			
4.61	Equipment installation, termination and programming	No.	1		
4.62	Network Documentation & fluke tests	item			
TOTAL CARRIED TO NEXT PAGE					

Kindly note that the rates applied MUST be VAT exclusive

ADDRESSABLE NURSE CALL SYSTEM

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	Supply install and set to work addressable nurse call system. The system to be integrated to the intelligent addressable fire alarm system;				
4.63	Addressable/ Intelligent nurse call control panel complete with power supply unit, indicator lights and buzzer (Master station) FOR 24 STATIONS	NO	1		
4.64	Bed head nurse call/reset station complete with wiring	NO	22		
4.65	Nurse call indicator light overdoor or wall mount	NO	3		
4.66	6 Core installation cable	roll	4		
4.67	Installing, Testing, Training and Commissioning for the whole system	Item	1		
TOTAL CARRIED TO COLLECTION PAGE					

SUMMARY PAGE - GROUND FLOOR

ITEM NO.	DESCRIPTION	TOTAL KSHS.
	TOTAL BROUGHT FORWARD FROM:	
1.0	ELECTRICAL INSTALLATION	-
2.0	FIRE ALARM INSTALLATION	-
3.0	STRUCTURED CABLING	-
4.0	NURSE CALL SYSTEM AND BEDHEAD UNITS	-
TOTAL CARRIED TO MAIN SUMMARY PAGE		-

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
<u>LIGHTING AND POWER-FIRST FLOOR</u>					
	Final sub-circuits complete with accessories and fittings as detailed below wired in 20mm diameter conduits clipped onto the ceiling using spacer saddles on one part and in partitioning board on the other part.				
4.68	Lighting points, wired in 3x1.5mm sq single core cables for one/two way switching	NO.	150		
4.69	13A twin power points, wired in 3x 2.5mm sq single core cables in ring circuit enclosed and concealed PVC conduits	NO.	56		
4.70	13A twin power points, wired in 3x 2.5mm sq single core cables in ring circuit enclosed in trunking	NO.	47		
4.71	200x50mm 3 compartment powder coated metallic trunking complete with tees, crossover, bends end cap, jacking brackets etc	LM	120		
4.72	4x32mm diameter PVC conduits for interlinking trunking where it has to pass in the floor. Otherwise all trunking crossing the doors should go above it	LM	50		
4.73	Single outlet phase plate for the trunking. This should be the same colour as the trunking and coated at the same time as trunking.	NO.	65		
4.74	Twin outlet phase plate for the trunking. This should be the same colour as the trunking and coated at the same time as trunking.	NO.	65		
4.75	Hand drier power points, wired in 3x 2.5mm sq single core cables enclosed and concealed in PVC conduits	NO.	4		
4.76	Nurse Call outlet point with a draw-wire left inside 25mm dia. PVC heavy gauge conduits concealed in the floor and walls but without the outlet plate.	NO.	22		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>LIGHT FITTINGS AND ACCESSORIES</u>				
	Lighting control accessories complete with wiring terminations and fixing materials				
4.77	6A One gang two way as Crabtree 4070	NO.	8		
4.78	6A One gang one way as Crabtree	NO.	23		
4.79	6A Two gang two way as Crabtree 4172	NO.	2		
4.80	6A Three gang one way as Crabtree 4173	NO.	2		
4.81	6A Three gang two way as Crabtree	NO.	2		
4.82	6A Four gang two way as Crabtree	NO.	2		
4.83	6A Five gang two way as Crabtree	NO.	2		
	Lighting fittings as shown in the drawings complete with control gears and lamps:-				
4.84	600x600mm, 4x18W recessed fluorescent fitting with CAT 2 aluminium reflector as Moonlight	NO.	10		
4.85	2x36W Horizontal low energy downlighter as Micromark mm31237(type A)	NO.	2		
4.86	1200mm, 1x36W Waterproof fluorescent fitting with as THORN PP136	NO.	21		
4.87	1200mm, 1x36W batten fluorescent fitting with as THORN	NO.	36		
4.88	Shallow downlight for 2x18W Compact Fluorescent Fitting as THORN SWING 100 SGF218 (Type B)	NO.	5		
4.89	Recessed Round Dichroic low Voltage Downlight with Aluminium effect as THORN FVC 2D16 HPF(Type C)	NO.	4		
4.80	Recessed 180mm diameter Horizontal downlighter with Energy saving bulbs(TypeG)	NO.	34		
4.81	Recessed 125mm diameter Horizontal downlighter with Energy saving bulbs(TypeD)	NO.	5		
4.82	Recessed 75mm diameter Horizontal downlighter with Energy saving bulbs(TypeE)	NO.	10		
TOTAL CARRIED TO ELECTRICAL COLLECTION PAGE					

Kindly note that the rates applied MUST be VAT exclusive

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>Supply and install power point accessories & equipment complete with associated wiring terminations & fixing materials</u>				
4.83	20A DP switch for hand drier/ac unit with neon indicator as Crabtree Cat. No. 4013/3	NO	6		
4.84	13amps twin switched socket outlet plate as crabtree or equivalent and approved.	NO	56		
4.85	Allow for builders work related to Electrical Installation	item			
4.86	Blanking covers for data outlet points	NO	12		
4.87	Adaptable box of size 150x150x75mm made out of 16 gauge and for power reticulation spares and telephone	No	2		
	<u>FIRE ALARM INSTALLATION</u>				
	<u>Supply, install, test and commission the following</u>				
	All detectors to be as MENVIER model numbers indicated. All detectors to be complete with mounting base				
4.88	Fire alarm points, wired using 3 x 2.5mm ² single core PVC insulated Copper cables drawn in 20mm diameter heavy gauge conduit concealed in floor and roof space for one way switching but excluding the fittings and switches.	NO.	32		
4.89	Conventional photoelectric heat detectors model No. MPD720	No.	22		
4.90	Conventional manual call units Model No. MPG 913	No.	5		
4.91	Fire alarm electronic sounders Model No. MWS424	No.	5		
TOTAL CARRIED TO SUMMARY PAGE					

Kindly note that the rates applied MUST be VAT exclusive

ADDRESSABLE NURSE CALL SYSTEM

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	Supply install and set to work addressable nurse call system. The system to be integrated to the intelligent addressable fire alarm system;				
4.92	Addressable/ Intelligent nurse call control panel complete with power supply unit, indicator lights and buzzer (Master station) FOR 48 STATIONS	NO	2		
4.93	Bed head nurse call/reset station complete with wiring	NO	74		
4.94	Nurse call indicator light overdoor or wall mount	NO	3		
4.95	6 Core installation cable	roll	4		
4.96	Installing, Testing, Training and Commissioning for the whole system	Item	1		
TOTAL CARRIED TO COLLECTION PAGE					

Kindly note that the rates applied MUST be VAT exclusive

COLLECTION PAGE - FIRST FLOOR

ITEM NO.	DESCRIPTION	TOTAL KSHS.
	TOTAL BROUGHT FORWARD FROM:	
1.0	PAGE 11	
2.0	PAGE 12	
3.0	PAGE 13	
	TOTAL CARRIED TO SUMMARY PAGE	-

SUMMARY - ELECTRICAL WORKS

ITEM NO.	DESCRIPTION	AMOUNT KSHS.
	TOTAL BROUGHT FORWARD FROM:	
1.0	GROUND FLOOR	
2.0	FIRST FLOOR	
	TOTAL CARRIED TO FORM OF TENDER	-

BILL OF QUANTITIES FOR MECHANICAL INSTALLATION SERVICES

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	SANITARY FITTINGS: GROUND FLOOR <u>To supply and install the following sanitary fittings including all necessary joints to service overflow and waste pipes, jointings and motices, plugs, screws, bolts, and making good. Sanitary fittings will be to Architect's /Engineer approval of the relevant samples.</u>				
5.1	Twyfords REFRESH Back-To- Wall wash down W.C suite with horizontal outlet in Vitreous China to B.S 3402 comprising of WC pan Model No. RE 1438WH complete Seat & cover RE 7815WH finish with SS hinges WC Connector P or S trap	NO	15		
5.2	DOCOL concealed Chrome plated flush valve complete with flow regulator, flush bend and WC Inlet Connector	NO	15		
5.3	Twyfords REFRESH 585 countertop wash hand basin to BS 3402 comprising: - single centre tap hole, in Vitreous China Ref. WB1751, chain & stay hole, fixing brackets Chrome plated beaded chain waste 1 1/4 waste WF 4330 CP Chrome plated bottle "P" trap 1-1/4 " WF 8482 XX	NO	12		
5.4	Ditto but REFRESH pedestal WHB Ref. No. RE4341 Pedestal stand Ref. RE 4910	NO	2		
5.5	Basin Mixer as VADO or COBRA complete waste -lever	NO	14		
5.6	"Twyfords" full recessed Toilet roll holder No 16329 size 150 x 150 mm	NO	15		
5.7	Chrome plated coat hook for door mounting	NO	15		
5.8	Vertical Grab rails as Mediclinics for Ward Toilets	NO	15		
5.9	Vertical Grab rails as Mediclinics for Ward Toilets	NO	15		
CARRIED FORWARD TO NEXT PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
5.10	Bevelled edge plain mirror fixed on the wall with chrome plated dome shaped screws,mirror size 1600 x 900 mm high	NO	8		
5.11	Ditto but 900 x 600 mm high	NO	4		
5.12	Twyfords CAMDEN urinal Bowl in Vitreous china Ref. VC7005WH complete with concealed pressure FLUSH valve Ref. SF9307XX, Roughing Kit ref. SF9312XX 1/2" bsp urinal inlet and connector, chrome plated urinal wall plate and fixing bolts with cover and urinal divider	NO	8		
5.13	Soap Dispenser Mediclinics or equal and approved	NO	10		
5.14	2.1 kw Automatic hand drier as Mediclinics or equal	NO	10		
5.15	WC Suit for physically challenged as TWYFORD DOC. M PLUS PACK complete with toilet roll holder, wash hand basin, grab rails in nylon/powder coated aluminium. Sensor controlled taps	NO	2		
5.16	Twyford enamelled fire clay Cleaners sink No. WF4343CP size 465 x 410 mm complete with grating and pad, 40 mm grid waste, legs and supports, 1 No.BIP tap	NO	4		
CARRIED FORWARD TO NEXT PAGE					

SANITARY FITTINGS :

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
5.17	Monoblock sink Mixer with aerator and flexible Supply hose as ROCA Serie "LOGICA-N "	NO	6		
5.18	ROCA "serie PARK " Toilet roll holder No 8-15632 size 150 x 150 mm	NO	15		
5.19	ROCA "PARK " Wall soap dish No 8-15627 size 150 x 150 mm	NO	8		
5.20	ROCA PARK Chrome plated towel rail size 20x600mm long fixed on wall	NO	8		
5.21	Concealed 4-way shower Mixer as ROCA SIVLER complete with Chrome plated 160mm shower head and chrome plated spout.	No	6		
5.22	Double Bowl double drain stainless steel Kitchen sink as ASL size 1200 x 500 mm, complete with Chrome plated bottle trap and flexible connector complete with high neck swivel type mixer.	NO	2		
5.23	5litres 3KW under sink instantaneous water heater as Hetrea Sedae	NO	6		
5.24	"Lorenzetti" Instant shower heater complete with shower head & chrome plated stop-cork as cobra and foot tab (bib tap)	No	8		
CARRIED FORWARD TO SUMMARY PAGE					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>SOIL AND WASTE DRAINAGE</u>				
	<u>Supply and install the following soil and waste system of pipe and fittings to BS 4514 with the installation of fittings done to manufacturers instruction and BS 5572 1978 as manufactured by "key" terrain" or any other manufacturer approved by the Engineer. Tenderers must allow in the pipe work prices for all couplings connectors inspection covers, jointings roding eyes pipe fastenings including clips, holderbat sets, And plugging required for the proper and satisfactory functioning system</u>				
	<u>UPVC Pipe work</u>				
5.25	100.4.40 pipe/100mm Grey heavy gauge pipe	Lm.	132		
5.26	1800.6.60 ditto/150mm Golden brown	Lm.	340		
5.27	200.2.40 high temperature waste pipe/50mm	Lm	106		
5.28	200.15.40 ditto/40mm	Lm	80		
5.29	200.125.40 ditto/32mm	Lm	60		
	<u>Extra Over Pipe For:- 40</u>				
5.30	1801.4.87 short radius bend/150mm	NO	12		
5.31	1800.4.87 long radius bend/150mm	NO	12		
5.32	101.4.92 sweep bend/100mm	NO	16		
5.33	1804.4.45 junction/150mm	NO	10		
5.34	104.4.924 single branch/100mm	NO	12		
5.35	102.4.5.connecting bend/100mm	NO	8		
5.36	201.2.91 sweep bend/50mm	NO	20		
5.37	201.15.40 ditto/40mm	NO	16		
5.38	201.125.40 ditto/32mm	NO	16		
5.39	204.2.91 sweep tee/50mm	NO	16		
5.40	204.15.135 ditto/40mm	NO	14		
5.41	204.125.135 ditto/32mm	NO	14		
5.42	1848.4 WC connector	NO	24		
5.43	1849.4. "P" trap	NO	16		
	CARRIED FORWARD TO SUMMARY PAGE				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
5.44	279.2 Trapped floor gully	NO	14		
5.45	100X50mm boss connector	NO	14		
5.46	100mm diameter single branch	NO	2		
5.47	100mm diameter bend	NO	18		
5.48	149.14.22 weathering slate	NO	8		
5.49	150.4 vent cowl	NO	8		
5.50	350 x 350 Floor Drains complete withSS grating	LM	12		
5.51	600x450 Manhole complete with Heavy duty Steel covers and frames good for Roads and Paved Parking yards	NO	48		
5.52	450mm Wide SS Grating suitable for Channel covers	LM	12		
5.53	Allow for chasing in wall for small diameter waste pipe	LM	20		
5.54	Allow for drilling holes through slabs for waste and soil pipes	LM	20		
5.55	Allow for metal bracket for anchoring the pipes under the slab	Item	Item		
CARRIED FORWARD TO SUMMARY PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
INTERNAL PLUMBING					
	To supply and install PN25 PPR Pipes as described and shown on the drawings complete with all accessories for proper operation. All pipes sizes refer to ID diameters				
	<u>Tenderers must allow for jointing, clippings reducers' couplings etc. necessary for the proper and satisfactory functioning of the installation when pricing.</u>				
5.56	63 mm diameter pipe	Lm	250		
5.57	50 mm diameter pipe	Lm	250		
5.58	40 mm diameter pipe	Lm	148		
5.59	32 mm diameter pipe	Lm	132		
5.60	25 mm diameter ditto	Lm	60		
5.60	20 mm diameter ditto	Lm	60		
	<u>Extra Over Tubbing For:-</u>				
5.61	40 mm diameter bend	NO	40		
5.62	32 mm diameter ditto	NO	40		
5.63	25 mm diameter ditto	NO	32		
5.64	20 mm diameter ditto	NO	32		
5.65	40 x 40 x 40 mm diameter Tee	NO	34		
5.66	32x 32 x 32 mm diameter ditto	NO	34		
5.67	25 x 25 x 25 mm diameter ditto	NO	34		
5.68	20 x 20 x 20 mm diameter ditto	NO	16		
5.69	25 mm diameter adaptors	NO	26		
5.70	20 mm diameter ditto	NO	16		
5.71	50 mm diameter ditto	NO	16		
5.72	40 mm diameter ditto	NO	30		
5.73	50 x 40mm diameter reducers	No	30		
5.74	32x 25mm diameter ditto	NO	40		
5.75	25 x 20mm diameter ditto	NO	40		
	<u>Brass Work</u>				
5.76	40 mm diameter non-rising stem solid wedges gate valve as peglar or equal and approved	NO	20		
5.77	Ditto but 32 mm	NO	20		
5.78	Ditto but 25 mm	NO	20		
	<u>Flexible tubing</u>				
5.79	300 mm long flexible tubing size 15 mm diameter including uni and bent without kinks to connect to sanitary fittings to the PPR pipes	NO	60		
5.80	25 mm diameter angle valve	NO	60		
CARRIED FORWARD TO COLLECTION PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
LAB APPLIANCES					
LABORATORY SINKS, PIPE WORK & FUME HOOD					
Supply, assemble, install, test and commission the following appliances, including all the necessary accessories, jointing to service pipework, fixing brackets plugs and fastenings, etc., cleaning and setting to work: -					
Supply and install the following laboratory appliances as specified					
5.81	Black polythene ' METHOD' sinks model MS855 LAB SINK size 562 x 480 x 227mm deep complete with BSP waste No.504 size 40mm diameter with back nut and Butyl Rubber Gasket	No	14		
5.82	METHOD ' one way water Faucet bench mounted swivel neck fixed nozzles taps model No BM 104-3B2 320mm overall height	No	14		
5.83	METHOD ' one sided fume hood (MED 12/15/18) for performing laboratory applications and General purpose usage.Dimesions 1000 x 700mm x 2400mm High	No	1		
CARRIED FORWARD TO NEXT PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	BALANCE BROUGHT FORWARD				-
	<u>Drainage Pipe work in METHOD corrosion resistant Polypropylene Pipes and Fittings as pipes and fittings</u>				
	All the METHOD pipes and fittings shall be from the same manufacturer. Jointing shall be simple 'polyfusion' or by screwed or flanged fittings to manufacturers instructions. Supporting shall be by holding clips at max 8 times outside diameter of pipe.				
5.84	51mm waste pipe fixed under worktop or in wall chase including approved pipe fixing clips and supports	Lm	32		
5.85	38mm ditto	Lm	32		
	<u>Extra for:</u>				
5.86	51mm sweep bend	No.	24		
5.87					
5.88	38mm ditto	No.	20		
5.89	51mm Tee	No.	28		
5.90	38mm ditto	No.	14		
5.91	51 x 38mm reducing couplers	No.	14		
5.92	76 x 51mm reducing couplers	No.	14		
5.93	51mm access of plugs	No.	14		
5.94	38mm ditto	No.	14		
5.95	76mm weathering apron	No.	10		
5.96	76mm vent cowl	No.	10		
5.97	50mm Trapped Floor Gully with 200 x 200 mm gully inlet grating	No.	10		
CARRIED FORWARD TO SUMMARY PAGE					

COLLECTION PAGE : GROUND FLOOR

ITEM NO.	DESCRIPTION	TOTAL KSHS.
1	SANITARY FITTINGS	
2	DRAINAGE	
3	PLUMBING	
4	LABORATORY INSTALLATIONS	
	TOTAL	

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
	<u>SANITARY FITTINGS: FIRST FLOOR</u> <u>To supply and install the following sanitary fittings including all necessary joints to service overflow and waste pipes, jointings and motices, plugs, screws, bolts, and making good. Sanitary fittings will be to Architect's /Engineer approval of the relevant samples.</u>				
5.98	Twyfords REFRESH Back-To- Wall wash down W.C suite with horizontal outlet in Vitreous China to B.S 3402 comprising of WC pan Model No. RE 1438WH complete Seat & cover RE 7815WH finish with SS hinges WC Connector P or S trap	NO	21		
5.99	DOCOL concealed Chrome plated flush valve complete with flow regulator, flush bend and WC Inlet Connector	NO	21		
5.100	Twyfords REFRESH 585 countertop wash hand basin to BS 3402 comprising: - single centre tap hole, in Vitreous China Ref. WB1751, chain & stay hole, fixing brackets Chrome plated beaded chain waste 1 1/4 waste WF 4330 CP Chrome plated bottle "P" trap 1-1/4 " WF 8482 XX	NO	22		
5.101	Ditto but REFRESH pedestal WHB Ref. No. RE4341 Pedestal stand Ref. RE 4910	NO	2		
5.102	Basin Mixer as VADO or COBRA complete waste -lever	NO	24		
5.103	"Twyfords" full recessed Toilet roll holder No 16329 size 150 x 150 mm	NO	22		
5.104	Chrome plated coat hook for door mounting	NO	22		
5.105	Vertical Grab rails as Mediclinics for Ward Toilets	NO	22		
5.106	Vertical Grab rails as Mediclinics for Ward Toilets	NO	22		
CARRIED FORWARD TO NEXT PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
	BROUGHT FROM PREVIOUS PAGE				
5.107	Bevelled edge plain mirror fixed on the wall with chrome plated dome shaped screws,mirror size 1600 x 900 mm high	NO	9		
5.108	Ditto but 900 x 600 mm high	NO	6		
5.109	Twyfords CAMDEN urinal Bowl in Vitreous china Ref. VC7005WH complete with concealed pressure FLUSH valve Ref. SF9307XX, Roughing Kit ref. SF9312XX 1/2" bsp urinal inlet and connector, chrome plated urinal wall plate and fixing bolts with cover and urinal divider	NO	6		
5.110	Soap Dispenser Mediclinics or equal and approved	NO	11		
5.111	2.1 kw Automatic hand drier as Mediclinics or equal	NO	11		
5.112	WC Suit for physically challenged as TWYFORD DOC. M PLUS PACK complete with toilet roll holder, wash hand basin, grab rails in nylon/powder coated aluminium. Sensor controlled taps	NO	2		
5.113	Twyford enamelled fire clay Cleaners sink No. WF4343CP size 465 x 410 mm complete with grating and pad, 40 mm grid waste, legs and supports, 1 No.BIP tap	NO	4		
	CARRIED FORWARD TO NEXT PAGE				

SANITARY FITTINGS :

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
5.114	Monoblock sink Mixer with aerator and flexible Supply hose as ROCA Serie "LOGICA-N "	NO	4		
5.115	ROCA "serie PARK " Toilet roll holder No 8-15632 size 150 x 150 mm	NO	21		
5.116	ROCA "PARK " Wall soap dish No 8-15627 size 150 x 150 mm	NO	18		
5.117	ROCA PARK Chrome plated towel rail size 20x600mm long fixed on wall	NO	18		
5.118	Concealed 4-way shower Mixer as ROCA SIVLER complete with Chrome plated 160mm shower head and chrome plated spout.	No	18		
5.119	Double Bowl double drain stainless steel Kitchen sink as ASL size 1200 x 500 mm, complete with Chrome plated bottle trap and flexible connector compete with high neck swivel type mixer.	NO	2		
5.120	5litres 3KW under sink instantaneous water heater as Hetrea Sedae	NO	4		
5.121	"Lorenzetti" Instant shower heater complete with shower head & chrome plated stop-cork as cobra and foot tab (bib tap)	No	18		
CARRIED FORWARD TO SUMMARY PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
	<u>SOIL AND WASTE DRAINAGE</u>				
	<u>Supply and install the following soil and waste system of pipe and fittings to BS 4514 with the installation of fittings done to manufacturers instruction and BS 5572 1978 as manufactured by "key" terrain" or any other manufacturer approved by the Engineer. Tenderers must allow in the pipe work prices for all couplings connectors inspection covers, jointings roding eyes pipe fastenings including clips, holderbat sets, And plugging required for the proper and satisfactory functioning system</u>				
	<u>UPVC Pipe work</u>				
5.122	100.4.40 pipe/100mm Grey heavy gauge pipe	Lm.	126		
5.123	1800.6.60 ditto/150mm Golden brown	Lm.	40		
5.124	200.2.40 high temperature waste pipe/50mm	Lm	84		
5.125	200.15.40 ditto/40mm	Lm	70		
5.126	200.125.40 ditto/32mm	Lm	70		
	<u>Extra Over Pipe For:- 40</u>				
5.127	1801.4.87 short radius bend/150mm	NO	22		
5.128	1800.4.87 long radius bend/150mm	NO	22		
5.129	101.4.92 sweep bend/100mm	NO	30		
5.130	1804.4.45 junction/150mm	NO	20		
5.131	104.4.924 single branch/100mm	NO	20		
5.132	102.4.5.connecting bend/100mm	NO	22		
5.133	201.2.91 sweep bend/50mm	NO	60		
5.134	201.15.40 ditto/40mm	NO	60		
5.135	201.125.40 ditto/32mm	NO	80		
5.136	204.2.91 sweep tee/50mm	NO	46		
5.137	204.15.135 ditto/40mm	NO	46		
5.138	204.125.135 ditto/32mm	NO	46		
5.139	1848.4 WC connector	NO	24		
5.140	1849.4. "P" trap	NO	24		
	CARRIED FORWARD TO SUMMARY PAGE				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
	BROUGHT FROM PREVIOUS PAGE				
5.141	279.2 Trapped floor gully	NO	30		
5.142	100X50mm boss connector	NO	30		
5.143	100mm diameter single branch	NO	22		
5.144	100mm diameter bend	NO	22		
5.145	149.14.22 weathering slate	NO	8		
5.146	150.4 vent cowl	NO	8		
5.147	350 x 350 Floor Drains complete withSS grating	LM	12		
5.148	600x450 Manhole complete with Heavy duty Steel covers and frames good for Roads and Paved Parking yards	NO	48		
5.149	450mm Wide SS Grating suitable for Channel covers	LM	12		
5.150	Allow for chasing in wall for small diameter waste pipe	LM	20		
5.151	Allow for drilling holes through slabs for waste and soil pipes	LM	20		
5.152	Allow for metal bracket for anchoring the pipes under the slab	Item	Item		
	CARRIED FORWARD TO SUMMARY PAGE				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
	<u>INTERNAL PLUMBING</u>				
	To supply and install PN25 PPR Pipes as described and shown on the drawings complete with all accessories for proper operation. All pipes sizes refer to ID diameters				
	<u>Tenderers must allow for jointing, clippings reducers' couplings etc. necessary for the proper and satisfactory functioning of the installation when pricing.</u>				
5.153	63 mm diameter pipe	Lm	212		
5.154	50 mm diameter pipe	Lm	212		
5.155	40 mm diameter pipe	Lm	136		
5.156	32 mm diameter pipe	Lm	132		
5.157	25 mm diameter ditto	Lm	56		
5.158	20 mm diameter ditto	Lm	56		
	<u>Extra Over Tubbing For:-</u>				
5.159	40 mm diameter bend	NO	40		
5.160	32 mm diameter ditto	NO	40		
5.161	25 mm diameter ditto	NO	32		
5.162	20 mm diameter ditto	NO	32		
5.163	40 x 40 x 40 mm diameter Tee	NO	34		
5.164	32x 32 x 32 mm diameter ditto	NO	34		
5.165	25 x 25 x 25 mm diameter ditto	NO	34		
5.166	20 x 20 x 20 mm diameter ditto	NO	16		
5.167	25 mm diameter adaptors	NO	26		
5.168	20 mm diameter ditto	NO	16		
5.169	50 mm diameter ditto	NO	16		
5.170	40 mm diameter ditto	NO	30		
5.171	50 x 40mm diameter reducers	No	30		
5.172	32x 25mm diameter ditto	NO	40		
5.173	25 x 20mm diameter ditto	NO	40		
	<u>Brass Work</u>				
5.174	40 mm diameter non-rising stem solid wedges gate valve as pегlar or equal and approved	NO	20		
5.175	Ditto but 32 mm	NO	20		
5.176	Ditto but 25 mm	NO	20		
	<u>Flexible tubing</u>				
5.178	300 mm long flexible tubing size 15 mm diameter including union and bent without kinks to connect to sanitary fittings to the PPR pipes	NO	60		
5.179	25 mm diameter angle valve	NO	60		
CARRIED FORWARD TO COLLECTION PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
<u>LAB APPLIANCES</u>					
<u>LABORATORY SINKS, PIPE WORK & FUME HOOD</u>					
Supply, assemble, install, test and commission the following appliances, including all the necessary accessories, jointing to service pipework, fixing brackets plugs and fastenings, etc., cleaning and setting to work: -					
Supply and install the following laboratory appliances as specified					
5.180	Black polythene ' METHOD' sinks model MS855 LAB SINK size 562 x 480 x 227mm deep complete with BSP waste No.504 size 40mm diameter with back nut and Butyl Rubber Gasket	No	6		
5.181	METHOD ' one way water Faucet bench mounted swivel neck fixed nozzles taps model No BM 104-3B2 320mm overall height	No	6		
5.182	METHOD ' one sided fume hood (MED 12/15/18) for performing laboratory applications and General purpose usage.Dimesions 1000 x 700mm x 2400mm High	No	1		
CARRIED FORWARD TO NEXT PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHs	TOTAL KSHs
	BALANCE BROUGHT FORWARD				-
	<u>Drainage Pipe work in METHOD corrosion resistant Polypropylene Pipes and Fittings as pipes and fittings</u>				
	All the METHOD pipes and fittings shall be from the same manufacturer. Jointing shall be simple 'polyfusion' or by screwed or flanged fittings to manufacturers instructions. Supporting shall be by holding clips at max 8 times outside diameter of pipe.				
5.183	51mm waste pipe fixed under worktop or in wall chase including approved pipe fixing clips and supports	Lm	24		
5.184	38mm ditto	Lm	24		
	<u>Extra for:</u>				
5.185	51mm sweep bend	No.	24		
5.186	38mm ditto	No.	16		
5.187	51mm Tee	No.	28		
5.188	38mm ditto	No.	10		
5.189	51 x 38mm reducing couplers	No.	10		
5.190	76 x 51mm reducing couplers	No.	10		
5.191	51mm access of plugs	No.	10		
5.192	38mm ditto	No.	10		
5.193	76mm weathering apron	No.	10		
5.194	76mm vent cowl	No.	10		
5.195	50mm Trapped Floor Gully with 200 x 200 mm gully inlet grating	No.	10		
CARRIED FORWARD TO SUMMARY PAGE					

COLLECTION PAGE : FIRST FLOOR

ITEM NO.	DESCRIPTION	AMOUNT KSHS..
1	SANITARY FITTINGS	
2	DRAINAGE	
3	PLUMBING	
4	LABORATORY INSTALLATIONS	
	TOTAL	

WATER RETICULATION

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	Supply and install PPR PN 25 pipe				
5.196	75mm Dia	LM	84		
5.197	50mm Dia	LM	78		
5.198	32mm Dia	LM	56		
	Extra over Elbow/.Bend				
5.199	50mm Dia	LM	16		
5.200	40mm Dia	LM	12		
5.201	32mm Dia	LM	8		
	<u>Nipple</u>				
5.202	50mm Dia	NO	12		
5.203	32mm Dia	NO	12		
	<u>Back Nut</u>				
5.204	75mm Dia	NO	4		
5.205	50mm Dia	NO	4		
TOTAL CARRIED TO COLLECTION PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>Plug/Cap</u>				
5.206	50mm Dia	NO	12		
5.207	32mm Dia	NO	12		
	Socket				
5.208	50mm Dia	NO	8		
5.209	32mm Dia	NO	8		
	Union				
5.210	75mm Dia	NO	8		
5.211	50mm Dia	NO	8		
	ANCILLARIES				
	Supply and install pegler gun metal brass valves Gate Valves				
5.212	50mm Dia	NO	6		
5.213	40mm Dia	NO	4		
	<u>NON- Return Valve/Check valve</u>				
5.214	50mm Dia	NO	2		
5.215	50mm diameter foot Valve	NO	2		
5.216	50mm diameter water meter as kent	NO	1		
5.217	Supply and install bolted pressed steel water tank assembled from 1x1mx 9mm thick module plates to BS 1564 and with external bolting flanges. The size of the tank to be 4x4x3m on elevated steel structure 14 m high. The flanged joints shall be sealed with non aging jointing compound sealant (plumbers mate) and the tank shall be effectively braced internally with stays to ensure structural stability. The tank shall be supplied complete with a ventilated roof with access manhole , access ladder, and water level indicator	NO	1		
TOTAL CARRIED TO COLLECTION PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	Ball Valve to BS1212				
5.218	50mm Dia	NO	2		
	Drain Cock				
5.219	50mm Dia	NO	2		
	<u>Builders work</u>				
5.220	Excavate trench for small diameter pipe average width 500mm and depth not exceeding 1.5m deep in black cotton soil and back fill with suitable soil.	LM	300		
5.221	Allow for making chase in wall for rising main to storage tanks	LM	25		
5.222	Allow for connection of water to existing city council mains.	ITEM	ITEM		
5.223	Allow for 100mm diameter micro tunneling across through the road for water service main and reinstate to Civil Engineer requirement	ITEM	ITEM		
5.224	Construct valve chamber size 450 x 450 x 500 deep and provide steel cover and frame.	NO	6		
5.225	Supply and install Duty and Standby water booster pump as GRUNDFOS CM15-2A Duty 15M3/HR Head 30M fix on a frame, complete with low and high level control switches and control panel for proper operation including 100 litre pressure cylinder and pressure switch	SET	1		
5.226	Allow for securing the pump set on plinth to detail and electrical connection	ITEM	ITEM		
	GROUND WATER TANKS				
5.227	20,000 Litres Glass Reinforced Plastic tanks (GRP) Dim: 5x 2 x 2m High with supply pipe outlet and overflow connection sockets to be installed on Ground plinth complete with 50 mm dia ball valve, including all tank connections.	NO	1		
TOTAL CARRIED TO COLLECTION PAGE					

COLLECTION PAGE - WATER RETICULATION

ITEM NO.	DESCRIPTION	AMOUNT KSHS.
	TOTAL BROUGHT FORWARD FROM:	
1	PAGE 19	
2	PAGE 20	
3	PAGE 21	
TOTAL CARRIED TO SUMMARY PAGE		

FIRE FIGHTING

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	Supply and install class B GI pipe				
5.228	50mm Dia	LM	60		
5.229	40mm Dia	LM	60		
5.230	25mm Dia	LM	50		
	Extra over pipe for fitting Elbow/.Bend				
5.231	40mm Dia	NO	8		
5.232	32mm Dia	NO	8		
5.233	25mm Dia	NO	8		
	Equal Tee				
5.234	32mm Dia	NO	6		
5.235	25mm Dia	NO	6		
5.236	50mm Dia	NO	6		
	Un Equal Tee				
5.237	32 x 25 x 32mm dia	NO	6		
5.238	40 x 32 x 25mm dia	NO	6		
	Reducing Bush				
5.239	32 x 25mm dia	NO	6		
5.240	40 x 32mm dia	NO	6		
TOTAL CARRIED TO COLLECTION PAGE					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<u>Nipple</u>				
5.241	32mm Dia	NO	8		
5.242	25mm Dia	NO	8		
5.243	40mm Dia	NO	8		
	<u>Socket</u>				
5.244	40mm Dia	NO	4		
5.245	32mm Dia	NO	4		
5.246	25mm Dia	NO	4		
5.247	20mm Dia	NO	4		
	<u>Union</u>				
5.248	32mm Dia	NO	4		
5.249	25mm Dia	NO	4		
5.250	40mm Dia	NO	4		
	<u>ANCILLARIES</u>				
	<u>Gate Valve</u>				
5.251	40mm Dia	NO	1		
5.252	32mm Dia	NO	1		
5.253	25mm Dia	NO	2		
	<u>Check valve/Non-Return Valve</u>				
5.254	50mm Dia	NO	2		
TOTAL CARRIED TO COLLECTION PAGE					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
5.255	9 Litres discharge controlled type water portable extinguisher manufactured to BS 5423 with normal charge	NO	8		
2.256	4.5 Litres discharge controlled type carbon dioxide gas portable fire extinguisher manufactured to BS 5423 with normal charge	NO	8		
5.257	Ditto but Powder type ABC	NO	8		
5.258	Automatic non recessed swing type hose reel as Angus fire amour model 'L' or equal and approved The hose reel shall have the following characteristics `- Full 180 ^o swing `- Delivery value 25mm BSP inlet to BS 5274 `- 25mm diameter by 30m long hose pipe `- Mild steel feed pipe to BS 1382 Class C	NO	6		
5.259	Supply and install pressurized fire hose reel booster pump set complete assembled with centrifugal pumps 2no similar to Grundfos model CR10-6 Duty 10 m3 / hr. Head 30m parallel operation complete with 1x100L pressure tank, adjustable pressure switch, pressure gauge and control panel incorporating isolator and motor overload protection and auto change over switch and manual over ride - 3phase 415v 50 Hz motor power 2.2 kw	SET	1		
5.260	Allow for fixing pumps-set frame by bolting down on 100mm concrete plinth and electrical connection	ITEM	ITEM		
TOTAL CARRIED TO COLLECTION PAGE					

COLLECTION PAGE FIRE FIGHTING

ITEM NO.	DESCRIPTION	TOTAL AMOUNT
	TOTAL BROUGHT FORWARD FROM :-	
1	PAGE 23	
2	PAGE 24	
3	PAGE 25	
TOTAL CARRIED TO SUMMARY PAGE		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE KSHS.	TOTAL KSHS.
	<p><u>Roof and storm water drainage</u></p> <p>To install the following roof drainage pipe work as described.</p> <p>Pipe work in this installation to be in UPVC heavy gauge class 41</p> <p>Tenderer must allow for plugging, coupling, clippings connectors etc. necessary for the proper and satisfactory functioning of the installation when pricing.</p>				
5.261	150mm UPVC rain water pipes anchored under slab in the basement	NO	120		
5.262	100mm UPVC rain water Down pipes cast along columns form roof top	NO	120		
	<u>Extra Over tubing for:-</u>				
5.263	150 x 150mm full bora complete with doomed grating as Key Terrain or equal and approved	NO	30		
5.264	Ditto but 75mm diameter	NO	5		
5.265	150mm sweep bend	NO	12		
5.266	100mm sweep bend	NO	12		
5.267	100mm sweep tee	NO	10		
5.268	75mm sweep bend	NO	10		
5.269	100mm x75mmx100mm tee	NO	8		
5.270	Allow a sum for connecting the rain water pipes to the Civil Engineers storm drain.	SUM	SUM		
TOTAL CARRIED TO SUMMARY PAGE					

SUMMARY FOR MECHANICAL SERVICES

ITEM NO.	DESCRIPTION	AMOUNT KSHS..
1	TOTAL BROUGHT FORWARD FROM GROUND FLOOR	
2	FIRST FLOOR	
3	WATER RETICULATION	
4	FIRE FIGHTING HOSE REELS & PORTABLES	
5	RAIN WATER DRAINAGE	
TOTAL CARRIED TO FORM OF TENDER		

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 8</u>				
	<u>EXTERNAL WORKS (PROVISIONAL)</u>				
	<u>ELEMENT NO. 1</u>				
	<u>LANDSCAPING</u>				
6.1	Dig over surfaces of fillings of all configurations and remove debris and large stones from site: bring to fine tilth	SM	3500		
6.2	Excavate 900 mm diameter x 1000 mm deep hole: for trees: part backfill and remove surplus spoil from site	NO	80		
6.3	Excavate 300 x 450 mm deep trench: remove weeds, stones and prepare to receive "Gardenia" seedlings: supply and plant three lines of "Gardenia" hedge seedlings at 150 mm centres both ways: water and nurture until established	LM	842		
6.4	200 mm Bed of imported red soil: free from weeds, stones, roots, rubbish: spread and levelled to receive grass seedlings	SM	3500		
6.5	Imported red spoil-ditto: deposited and lightly compacted to receive shrubs or trees	CM	36		
6.6	Plant "Mudriver" or equal and approved grass seedlings at 150 mm centres both ways: water, nurture, cut and roll until established	SM	3500		
6.7	Supply, plant and maintain including fertilization: build barricades all round: "Jacaranda" tree	NO	50		
6.8	Gladiolus: tree	NO	20		
6.9	Ditto "Palm" tree	NO	10		
	<u>TOTAL CARRIED TO SUMMARY</u>			Kshs.	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 8</u>				
	<u>EXTERNAL WORKS (PROVISIONAL)</u>				
	<u>ELEMENT NO. 2</u>				
	BOUNDARY FENCE				
6.10	2100 mm high x 12.5 gauge chainlink with 75 mm x 75 mm pcc polls spaced at 2.5m centres with 450mm length mortised in mass concrete surround; complete with 12 1/2 gauge x 2 strand tensile galvanised steel straining wire lines pulled through mild steel hook stirrups cast in concrete posts; and including tying chainlink to straining wire; including steel angle line bases comprising 300mm diameter x 450 mm deep concrete (1:3:6) surrounded and including all necessary excavations; return fill and ram and disposal of surplus materials and all necessary formwork complete	SM	914		
	Vehicular Gates				
6.11	50mm thick mild steel gate of overall size 3850 x 2400mm high comprising of 30 x 25 mm x 3mm thick R.H.S mid diamond shaped frame with and including 12 x 12mm S.H.S bars welded onto members at 45 and 150mm spacing in an approved pattern complete with 2No. Vertical spikes and top	NO	2		
	Pedestrian Gate				
6.12	Ditto but in pedestrian gate overall size 1000 x 2700mm high on 20 x 20 x 3mm R.H.S metal grilles to approved patterns.	NO	2		
	<u>TOTAL CARRIED TO SUMMARY</u>			Kshs	-

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 8				
	EXTERNAL WORKS (PROVISIONAL)				
	ELEMENT NO. 3				
	GATE HOUSE				
	SUBSTRUCTURES				
	Site preparation				
6.13	Chemical antitermite treatment to sub-soil or filling	SM	13		
	Excavations				
6.14	Excavate over site soil average 200 mm deep: remove from site	SM	13		
6.15	Excavation for strip foundation not exceeding 1.5 metres deep	CM	10		
	Disposal of excavated materials				
6.16	Fillings around walls: backfill and compact in 150 mm layers: selected excavated materials	CM	7		
6.17	Remove surplus soil from site and deposite in permanent soil heaps at a site to be agreed	CM	3		
	Hardcore Fillings				
6.18	300 mm hardcore fillings: levelled and compacted in 150 mm layers	SM	10		
6.19	50 mm Thick stone dust blinding to surfaces of hardcore	SM	10		
	Planking and Strutting				
6.20	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	ITEM			
	Disposal of water				
6.21	Keep excavations free from all water	ITEM			
	Carried to Collection			Kshs.	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.22	Insitu concrete class 15/20 mm aggregates: vibrated: 50 mm Blinding under bases and strip foundation	SM	9		
6.23	Insitu reinforced concrete: class 25 (20 mm aggregates: vibrated: reinforced Strip foundation	CM	2		
6.24	100 mm Floor slab	SM	10		
6.25	Natural machine cut stones in cement sand (1:3) mortar 200 mm Thick walls	SM	17		
6.26	High yield square twisted bars to B.S. 4461 (Provisional) 10 mm Diameter bars	KG	148		
6.27	12 mm Diameter bars	KG	62		
6.28	Mesh fabric reinforcement to B.S. 4483: BRC reference A 142 weighing 2.22 kg/m in: Floor bed 200 mm laps	SM	10		
6.29	Sawn formwork: to Vertical sides: foundations	SM	6		
6.30	Edges of slab: over 75 but not exceeding 150 mm girth	LM	15		
6.31	Plinth 12 mm Woodfloated lime cement and sand (1:1:6) render: on concrete or stonework	SM	5		
6.32	Prepare and apply three coats bituminous paint on rendered plinth	SM	5		
6.33	Labours and sundries 500 gauge polythene sheet damp proof membrane to floors: 300 mm laps	SM	10		
	Carried to collection				

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.34	200 mm Bituminous felt damp proof course: 300 mmlaps	LM	15		
	REINFORCED CONCRETE SUPERSTRUCTURE				
	In situ concrete class 25(20 mm aggregate): vibrated: reinforced				
6.35	Beams	CM	1		
6.36	150 mm Roof slab	SM	10		
	High yield square twisted bar reinforcement to B.S. 4461 (Provisional)				
6.37	8 mm Diameter bars	KG	95		
6.38	10 mm Diameter bars	KG	167		
	Sawn formwork: to				
6.39	Sides and soffits: beams	SM	12		
6.40	Edge of slab 75 - 150	LM	15		
6.41	Horizontal soffits: suspended roof slab	SM	10		
	Carried to Collection			Kshs.	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ROOFING				
	<u>APP (ATACTIC POLYPROPYLENE) Bituminous waterproofing membrane: in three layers: laid in accordance with the manufacturers instructions: on concrete: to</u>				
6.42	Roofs:	SM	10		
6.43	Gutters: 750 mm girth	LM	3		
6.44	Dress and dish around 150 mm fulbora outlets	NO	2		
6.45	Cut groove size 20 x 50 mm deep into blockwork or concrete for turning in flashing: grout in cement and sand mortar	LM	3		
	Light weight roof screed in cement, sand and pumice (1:3::7): laid on concrete: to				
6.46	50 mm (Average) roofs: to falls and cross falls: finished to receive APP membrane	SM	10		
6.47	75 x 75 mm Angle tilting fillet	LM	3		
	200 x 200 x 12 mm Thick concrete interlocking tiles: on APP membrane: to				
6.48	Roofs	SM	10		
6.49	200 mm Diameter UPVC down pipe: cast into concrete	LM	5		
6.50	Extra over pipe for swanneck bend	NO	2		
6.51	Extra over pipe for shoe	NO	2		
	Fulbora outlets				
6.52	200 mm Diameter cast iron fulbora outlet: with domed grating: cast into concrete	NO	2		
	WALLS				
	Natural stones: in cement and sand (1:4) mortar				
6.53	200 mm walls: machine dressed	SM	34		
	Carried to collection			Kshs.	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.54	Flush doors to B.S. 459 part 2 50 mm Thick solid cored door size 900 x 2100 mm high : mahogany veneered both sides: hard wood lipped edges	NO	2		
6.55	General joinery: mahogany: selected and kept clean 125 x 50 mm Frame: four labours: plugged, screwed and pelltated	LM	10		
6.56	30 x 30 mm Architrave: ditto	LM	10		
6.57	20 mm Quadrant: ditto	LM	10		
6.58	Prepare and apply two coats of spirit based light pinotex paint in medium matt finish: on timber: to Timber frame over 200 but not exceeding 300 mm girth	LM	10		
6.59	Timber surfaces not exceeding 100 mm Girth	LM	20		
6.60	Doors: general surfacesSurfaces of timber doors	SM	8		
6.61	Supply and fix the following ironmongery with matching screws: UNION or equal approved : on timber 100 mm Brass butt hinges	PRS	3		
6.62	bolted to concrete floor	NO	2		
6.63	2 Lever mortice Union lock ref: 2243	NO	2		
6.64	Prepare and apply one coat aluminium wood primer: before fixing: on wood: to Surfaces not exceeding 100 mm girth	LM	20		
	Carried to Collection			Kshs.	
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT

Kindly note that the rates applied MUST be VAT exclusive

6.65	Ditto: over 100 but not exceeding 200 mm girth MILD STEEL WINDOWS Supply, assemble and fix the following in 25 mm 'Zed' section mild steel casement windows ; in filled 25 x 6 mm mild steel flat bars at 200 mm centres vertically and 150 mm centres horizontally; to blockwork complete with framing, mullions, transomes, hinges, approved brass fasteners and stays and fixing lugs and one coat red oxide primer before fixing, all to architect's details and approval	LM	10	60.00	600.00
6.66	Window to ref no. W9 overall size 450 x 1200mm high; details as per architectural schedules attached	NO	3		
6.67	Window to ref no. W22 overall size 600 x 600mm high; details as per architectural schedules attached	NO	1		
	General joinery: wrot mahogany: selected and kept clean				
6.68	200 x 25 mm Window board: plugged, screwed and pellated	LM	3		
6.69	150 x 25 mm Thick pelmet box fascia	LM	1		
6.70	100 x 25 mm Thick pelmet box tops	LM	1		
6.71	25 x 50 mm Cypress : plugged	LM	1		
6.72	150 x 100 x 25 mm Thick returned ends	NO	4		
	Curtain rail				
6.73	"Silent gliss" or equal and approved heavy duty aluminium channel curtain rail: with and including rollers at 100 mm centres: laps and stops(double rail)	LM	3		
	Precast concrete units: class 20/12 mm aggregates: vibrated				
6.74	265 x 75 mm Thick weathered and throated window cill: fairfaced on exposed surfaces: bedded jointed and pointed in cement and sand (1:4) mortar	LM	2		
	Carried to collection				

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Prepare and apply one coat aluminium wood primer before fixing: on wood: to				
6.75	Surfaces not exceeding 100 mm girth	LM	2		
	Prepare and apply three coats polyurethane clear varnish: on wood: to				
6.76	Pelmet boxes: over 200 but not exceeding 300 mm girth	LM	1		
6.77	Window board: ditto	LM	1		
	FLOOR FINISHES				
	Cement and sand (1:4) screeded beds: on concrete: to				
6.78	30 mm Thick floors: finished to receive floor tiles	SM	10		
	300 x 300 x 12 mm Thick non-slip multicoloured glazed ceramic tiles or other equal and approved porcelain tiles: fixed with cement grout: pointed in matching cement: to				
6.79	Floors	SM	10		
6.80	10 x 150 mm High skirting: rounded edge	LM	15		
	WALL FINISHES				
	12 mm Cement and sand (1:4) backings: on concrete or blockwork: to				
6.81	Walls : finished to receive tiles	SM	9		
	12 mm Lime plaster: steel trowelled: on concrete or blockwork:to				
6.82	Walls: externally	SM	28		
6.83	Ditto: internally	SM	31		
	300 x 250 x 8 mm Coloured glazed ceramic wall tiles as manufactured by "SAJ" or equal approved: fixed with cement grout: pointed in matching cement: to				
6.84	Walls	SM	9		
6.85	Plastic strip to edge of tiles	LM	6		

Kindly note that the rates applied MUST be VAT exclusive

Carried to Collection				Kshs.	
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.86	Prepare surfaces and apply three coats of first quality plastic emulsion paint: on plastered surfaces: to Walls	SM	59		
6.87	CEILING FINISHES 12 mm Lime plaster: steel trowelled: on concrete:to Ceilings	SM	10		
6.88	Prepare surfaces and apply three coats of first quality plastic emulsion paint: on plaster: to Ceilings	SM	10		
Carried to Collection				Kshs.	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>COLLECTION</u>				
	PAGE NO. 8/1				
	PAGE NO. 8/2				
	PAGE NO. 8/3				
	PAGE NO. 8/4				
	PAGE NO. 8/5				
	PAGE NO. 8/6				
	PAGE NO. 8/7				
	PAGE NO. 8/8				
	PAGE NO. 8/9				
	PAGE NO. 8/10				
	<u>TOTAL CARRIED TO SUMMARY</u>			Kshs.	

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	AMOUNT
	<u>SECTION NO. 8</u>	
	<u>EXTERNAL WORKS</u>	
	<u>SUMMARY</u>	
	<u>ELEMENT</u>	<u>PAGE NO</u>
1	LANDSCAPING	
2	BOUNDARY FENCE	
3	GATE HOUSE	
	<u>TOTAL CARRIED TO MAIN SUMMARY</u>	KSHS

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 9				
	PROVISIONAL SUMS				
	<u>The following sums may be expended or omitted in whole or part on written authority of the Architect with approval by the client</u>				
	<u>Relocation of services</u>				
7.1	Provide a provisional sum of Kenya Shillings Eight Hundred thousand Only (Ksh 800,000) for Relocation of Hospital Services to be expended in whole or in part as directed by the Project manager (City Engineer) to be	SUM			800,000.00
	<u>Medical Incinerators</u>				
7.2	Provide a provisional sum of Kenya Shillings Three Million Five Hundred Thousand Only (Ksh 3,500,000) for Medical incinerator (20kg/hour)	SUM			3,500,000.00
	<u>Administrative cost</u>				
7.3	Allow a PC sum of Kenya Shillings Two Million Five Hundred Thousand Only for Administrative costs to be expended in whole or in part for the services of the Resident Architect, Clerk of Works and operation of the site office as directed by the Project manager (City Engineer) upon submission up to date schedule of monthly expenditure submitted together with the request for payments.	SUM			2,500,000.00
7.4	Allow % of item "7.3 " above for contractors over heads and profits.	10%			250,000.00
	<u>HIV/AIDS Training and awareness</u>				
7.5	Allow a Provisional Sum of KES 100,000 for HIV/AIDS Training to be expended in whole or in part as directed by the Project manager (City Engineer) upon submission of approved monthly progress reports.	SUM			100,000.00
	<u>Signs and Lettering</u>				
7.6	Provide a Prime cost Sum of KES 300,000 for signs and lettering	SUM			300,000.00
	<u>Environmental, Social, Health and Safety (ESHS)</u>				
7.7	Allow aProvisional Sum of Kenya Shillings Five Hundred Thousand Only for Environmental, Social, Health and Safety (ESHS) costs to be expended in whole or in part as directed by the Project manager (City Engineer) upon submission of approved monthly compliancce report.	SUM			500,000.00
	Carried to Collection			Kshs.	7,950,000.00

Kindly note that the rates applied MUST be VAT exclusive

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7.8	<u>Contingency Sum</u> Provide a provisional sum of Kenya Shillings Five Million Only (Ksh 5,000,000) for contingencies	SUM			5,000,000.00
7.9	<u>Walkways and driveways</u> Provide a provisional sum of Kenya Shillings Two Million Only (Ksh 2,000,000) for paving works to driveways and walkways including all associated works as instructed by the Project manager (City Engineer)	SUM			2,000,000.00
	Total Carried to Main Summary			KSHS	7,000,000.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>COLLECTION</u>				
	PAGE NO. 9/1				7,950,000.00
	PAGE NO. 9/2				7,000,000.00
	<u>TOTAL CARRIED TO SUMMARY</u>			Kshs.	14,950,000.00

ITEM	DESCRIPTION	KShs														
<u>KISUMU URBAN PROJECTS</u>																
<u>PROPOSED LUMUMBA HEALTH CENTRE REHABILITATION AND EXTENSION (PHASE 1)</u>																
<u>MAIN SUMMARY</u>																
	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"><u>SECTION</u></td> <td style="width: 40%;"><u>PAGE NO</u></td> </tr> </table>	<u>SECTION</u>	<u>PAGE NO</u>													
<u>SECTION</u>	<u>PAGE NO</u>															
1	PRELIMINARIES 2/65	-														
2	MAIN BUILDING 3/33	-														
3	TOILET 4/15	-														
4	KITCHEN 5/18	-														
5	ELECTRICAL INSTALLATIONS 6/17	-														
6	MECHANICAL INSTALLATIONS 7/28	-														
7	EXTERNAL WORKS 8/13	-														
8	PC & PROVISIONAL SUMS 9/1	14,950,000.00														
<u>TOTAL CARRIED TO MAIN SUMMARY</u>																
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><u>EMPLOYER</u></td> <td style="width: 50%;"><u>CONTRACTOR</u></td> </tr> <tr> <td>NAME.....</td> <td>NAME.....</td> </tr> <tr> <td>.....</td> <td>.....</td> </tr> <tr> <td>SIGNATURE.....</td> <td>SIGNATURE.....</td> </tr> <tr> <td>ADDRESS.....</td> <td>ADDRESS.....</td> </tr> <tr> <td>.....</td> <td>.....</td> </tr> <tr> <td>DATE.....</td> <td>DATE.....</td> </tr> </table>			<u>EMPLOYER</u>	<u>CONTRACTOR</u>	NAME.....	NAME.....	SIGNATURE.....	SIGNATURE.....	ADDRESS.....	ADDRESS.....	DATE.....	DATE.....
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