

Tender No./2022-2023

TENDER DOCUMENT

Architects Quantity Surveyors

COUNTY ARCHITECT COUNTY QS PUBLIC WORKS PUBLIC WORKS

BOX 4211 30200 KITALE BOX 4211 30200 KITALE

<u>Structural Engineers</u> <u>Electrical & Mechanical Engineers</u>

COUNTY STRUCTURAL ENGINEER COUNTY MECH & ELEC ENGINEER

PUBLIC WORKS PUBLIC WORKS

BOX 4211 30200 KITALE BOX 4211 30200 KITALE

ISSUED BY;

CHIEF OFFICER,

DEPARTMENT OF PUBLIC WORKS, TRANSPORT AND ENERGY, TRANS-

NZOIA COUNTY,

P.O. BOX 4211-30200,

KITALE

10 February 2023

	Item /No		Quantity	Rate	Amount	
	,			Kshs.	Kshs.	
		SECTION NO. 1				
		PRELIMINARIES BILL NO. 1				
		PARTICULAR MATTERS				
		PARTIES				
		The Employer is:				
		The County assembly of Trans Nzoia - Kitale.				
		The Architect shall be deemed to mean: Department of Public works, Kitale .				
		The Quantity Surveyor shall be deemed to mean: Department of Public works, Kitale .				
		The Structural and Civil Engineers shall be deemed to mean: Department of Public works, Kitale.				
		The Mechanical Services Installations Engineers shall be deemed to mean; Department of Public works, Kitale				
		The Electrical Services Installations Engineers shall be deemed to mean; Department of Public works, Kitale .				
		Carried to Collection	Kshs			
		Preliminaries				
		Bill No. 1 Particular preliminaries				
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Item /No		Quantity	Rate	Amount
7140	LOCATION OF SITE		Kshs.	Kshs.
	The site of the proposed works is located on existing Assembly centre adjacent to show ground, plot L.R. No on road. The site is approximately 0.5 km from the Kitale town Centre and opposite the catholic church.			
	The Contractor shall be deemed to have visited the site and satisfied himself as to:-			
	a) The nature and position of the site and availability of the materials specified for the works			
	b) The number and size of existing structures to be demolished as well as the bushes, trees and amount of the rubbish or debris to be cleared away before commencement			
	c) The nature, current usage, proximity and size of adjoining property and building			
	d) The availability of land for the erection and positioning of all temporary structures, plant and materials necessary for the execution of the works. The contractor shall obtain approval from the relevant Local Authority in all matters relating site access and erection of temporary structures and must ensure adherence to the requirements of these authorities.			
	e) No claim will be allowed for travelling or other expenses which may be incurred by the Contractor in visiting the site or preparing the tender for the works.			
	The employer commissioned a Geotechnical investigation and a copy of the report is available from the architect on request. This report shall be given without warranty because it was intended for use by the client and consultants only.			
	Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries Bill No. 1			
	Particular preliminaries			

Item /No		Quantity	Rate	Amount	
			Kshs.	Kshs.	
	SCOPE OF CONTRACT AND DESCRIPTION OF THE WORKS				
	The works under this contract are as defined and shown in the Architects and Engineers drawings and comprises the construction and completion of a 1000 Square meters of hospitality block. The construction generally comprises reinforced concrete foundations, superstructure, machine cut stone to external and internal walls, roof covering.				
	Electrical works as specified				
	External wall finishes generally consists of natural stone, key and & paint and stone facing to selected areas. Floor				
	External Works generally comprise earthworks, drive way ,associated stormwater drainage and foul water drainage.				
	The scope and specification of the works is shown and described in the bills of quantities and in the architectural and engineering drawings listed in the appendix. The drawings are available for inspection in the architect or engineers offices.				
	Carried to Collection	Kshs			
	Section No. 1				
	Preliminaries				
	Bill No. 1 Particular preliminaries				

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	FLOOD ADEAC		Kshs.	Kshs.
ا	FLOOR AREAS			
	The gross floor area is Approximately 1000 SM			
(Gross area (built up area)			
	The overall areas is measured over walls and is given without warranty but is only meant for the contractor's guidance			
(Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries			
	Bill No. 1			
]	Particular preliminaries			

Item /No		Quantity	Rate	Amount	
			Kshs.	Kshs.	
	All measured provisional works will be subject to re-measurement on completion of the same.Such remeasurements can be extended to any other works that the consultants may deem necessary				
	GENERAL SPECIFICATION				
	The Contractor is referred to the General Specifications for building Works given with the tender and must allow for all costs in complying with these clauses. For the full description of materials, workmanship and method of execution of the works, the Contractor is referred to the General Specifications and which shall be followed in all respects unless it conflicts with the General and Particular Preliminaries, Trade Preambles or other items in this Bills of Quantities. In the event of such conflict, then the provision of the General and Particular Preliminaries and Particular Preliminaries.				
	Preliminaries, Trade Preambles and these Bills of Quantities shall take precedence	item			
	EXISTING SERVICES TO BE RETAINED				
	Special precaution shall be required throughout the contract period to avoid damage to existing structures, roads, lawns, cables, drains and other services. The Contractor shall allow for making good any				
	damage arising from his actions during execution of this contract at his own expense	item			
	Carried to Collection	K s h s			
	Section No.				
	Preliminaries				
	Bill No. 1 Particular publications				
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Item /No		Quantity	Rate Kshs.	
	LABOUR CAMPS			
	The Contractor will generally NOT be permitted to house labour on site except on request and with express authority from the Architect.			
	SITE OFFICES			
	a) The Contractor shall erect and maintain temporary office accommodation for his own use and the use of Nominated Sub-contractors and the Architect or any other consultants. The site office shall be constructed to the approval and full			
	satisfaction of the Architect and shall provide the necesary furniture. The Contractor shall insure the office and furniture against fire theft, and natural calamities and provide day and night security.			
	The Contractor will specifically provide a minimum of 1) A meeting room with a sitting capacity of not less than 20 persons 2) Clean sanitation facilities 3) One office shared for the project team			
	The office must have a reliable working laptop computer which must be kept in working order throughout the period of the contract including all the necessary basic computer application programmes such as the MS Office suite, AutoCAD, MS Project, a reliable email connection, a laser printer A4 and with all necessary accessories. Appropriate power and lighting shall be provided.			
	Carried to Collection	K s h s		
	Section No. 1 Preliminaries Bill No. 1			
	Particular preliminaries			

Item	
CONTRACT COMPLETION PERIOD The contract completion period in accordance with the Agreement and Conditions of Contract for Building Works must be strictly adhered to. The Architect shall strictly monitor the Contractor's progress in relation to the progress chart and should it be found necessary, the Architect shall inform the Contractor in writing that his actual perfomance on site is not satisfactory. In all such cases, the Contractor shall accelerate his rate of perfomance, production and progress by all means such as additional labour, plant etc. and working overtime all at his cost. TEMPORARY STRUCTURES AND HOARDING a) The contractor shall allow for providing and clearing away on completion of the works temporary hoarding, rubbish chutes, gates, planked walkways, guard rails etc. as may be necessary for the protection of the workers, the general public, and for the proper execution of the works. b) As such, temporary structures shall be constructed with the approval of the Architect and to his full satisfaction and in such a Manner as to cause minimum inconvenience and disturbance to Occupants of adjacent buildings and users of the adjacent roads. c) All such temporary structures shall comply in all aspects with the national laws, rules, and regulations currently in force and applicable to such structures. d) All temporary structures shall be erected in a manner so that the unloading of materials causes minimum obstruction to the use of adjacent roads and other	Kshs.
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e) All temporary structures shall be kept properly lighted throughout the periods of darkness and any corners or projections shall be painted white.	
f) Temporary structures shall not be used or permitted to be used for advertisment purposes except with the consent of the Architect.	
g) All temporary structures shall be maintained at all times in good Order and good condition to the satisfaction of the Architect.	
Carried to Collection K s h s	
Section No. 1	
Preliminaries	
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h) All temporary structures shall be removed when so required by the Archi at the end of the period for which it is required	tect or Kshs Kshs.
i) The Contractor shall indemnify and shall keep the employer indemnified a any expenses, loss, claim or suits arising out of or In connection with the ten structures.	~
j) The Contractor shall pay all local authority or other charges payable in con with temporary structures.	nection
k)The contractor shall allow for any necessary relocation of position of the temporary structures as directed or as may be necessary.	
PROGRESS SCHEDULE	
Immediately after signing the contract the Contractor is to prepare a Time prochart showing the time and order in which he proposes to carry out the work within the total construction time stated in the contract. The chart will show the construction time and order in which each section of the work is to be calculated out and be sub-divided into trades and tasks. If the Contractor proposes sect completion of the project he must plan this in detail including access roads, services and this shall be reflected on the chart	in detail arried tional
Upon the letting of the Sub-contractors work, the Contractor is to incorpora and details of each separate sub-contractor work which information is to be by the Sub-contractor and the chart will be so designed to accommodate this information.	agreed
At the end of each week the Contractor is to mark on the chart in a different the actual time taken to complete the respective stages and sections of the we Contractor shall obtain the Architect's approval on the chart and then shall scopies to the Architect and Quantity Surveyor	ork. The
If at any time it should appear to the Architect that the actual progress of the does not conform to the approved programme progress schedule the Contra shall produce at the request of the Architect a revised programme showing the modifications and accelerations to the approved programme necessary to ensure completion of the works within the agreed contract period.	nctor he
Carried to Collection	K s h s
Section No. 1	
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			Kshs	Kshs.
Th	ne submission of and approval by the Architect of such revisions			
	d accelerations shall not entitle the Contractor to any extra payment			
or	extension of time and shall not relieve the contractor of any duties			
or	obligations or responsibilities under the contract.			
Co	onstruction progamme - Condition Precedent			
It ·	will be a contractual condition that the tenderer shall execute the			
CO	intract to completion within the time period specified in the form of			
ter	nder . The tenderer will also provide a realistic programme of			
exe	ecution of the works (progress chart) that shall become binding in			
the	e event of the tenderer being awarded and subject to any			
am	nendments that may be made with the approval of the Architect.			
TE	ELEPHONE			
Th	ne Contractor shall provide the office from the commencement to			
the	e completion of the works a telephone connected to the exchange or			
mo	obile phone to be permanently stationed on site throughout the			
du	rration of the contract and shall pay all fees, air time and rentals for			
sar	me for the sole purpose of the supervision team.			
SI	GN BOARD			
	ne Contractor shall provide and erect where directed and maintain			
du	aring the whole period of the building operation and remove at			
	empletion, one approved temporary notice board to the Architect's			
	andard design giving a brief description of the works and showing			
	e names of the employer and the consultants, with sufficient space			
	append the names of the sub-contractors and suppliers when			
	nown. The lettering concerning the Architect, Quantity Surveyor and			
	ngineer is not to be more than 50mm high. The contractor shall			
	ow for any necessary relocation of position as directed or as may be			
ne	ecessary.			
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Item /No		Quantity	Rate	Amount
/110			Kshs	Kshs.
	SUFFICIENCY OF TENDER			
	The contractor shall be deemed to have satisfied himself before			
	tendering as to the correctness and sufficiency of his tender for the			
	works and of the rates and prices stated in the priced Bills of			
	Approximate Quantities. Rates and prices quoted shall cover all his			
	obligations under the contract and all matters and things necessary for			
	the proper completion and maintenance of the works.			
	No claim arising from his failure to comply with this recommendation will be considered.			
	TRAINING LEVY			
	The Contractor's attention is drawn to legal notice No. 237 of October			
	1971 which requires payment by the Contractor for a training levy at			
	the rate of 1/4 % of the Contract sum on all contracts of more than			
	Kshs. 50,000/= in value .The contractor shall allow in the			
	preliminaries of this contract (basic rates column) for all costs arising			
	or resulting therefrom.			
	VALUE ADDED TAX (V.A.T.)			
	The Contractor's attention is drawn to V.A.T. PUBLIC NOTICE NO.			
	6 of 5th August, 1993 regarding the Finance Bill 1993 which			
	expanded the V.A.T. base to cover construction services amongst			
	other items and subsequent ammendments.			
	The Contractor shall familiarise himself with the said notice and allow			
	in all his Bills of Quantities rates (Excluding P.C. and Provisional			
	Sums) for the net tax. (i.e less input tax where applicable) as required			
	by law.			
	Any additional information and assistance concerning the application			
	of the said notice should be directed to the office of the Commissioner			
	of Value Added Tax			
	Carried to Collection	Kshs	1	
	Section No. 1			
	Preliminaries Dilla Land			
	Bill No. 1			
	Particular preliminaries			

Item /No		Quantity	Rate	Amount
,	DOWNTAKINGS		Kshs	Kshs.
	All materials arising from demolitions and downtakings are deemed to be the property of the employer unless stated otherwise in this contract document. No claim will be entertained on account of employer excising this right to retain the materials All downtakings shall be carefully removed, taken down, dismantled and stored on site until instructed by the Architect to remove from the site. Such materials shall only be incorporated in the new works if required by the Architect in which case appropriate adjustments will be made in the final account for the cost of labour, screws etc for fixing such downtakings in the new works.	item		
	TENDER DOCUMENTS The tender documents consist of the following:			
	a) Signature page and notes a)			
	b) Instructions to tenderers			
	c) Form of tender			
	d) Form of surety undertaking			
	e) Preliminaries			
	f) Specifications			
	g) Bills of quantities			
	h) Drawings listed in the schedule attached to the tender document	item		
	Carried to Collection Section No. 1 Preliminaries Bill No. 1 Particular preliminaries	Kshs		

Item /No		Quantity	Rate	Amount
/110			Kshs	Kshs.
	FIRM PRICE CONTRACT			
	Unless otherwise specifically stated, this is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/or materials during the currency of the contract.			
	Allow a Provisional Sum of Kenya Shillings Three Hundred Thousand only for Clerk of Works Expenses.			300,000
	PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT			
	The following are the insertions to be made in the appendix to the Contract Agreement: -			
	Period of Final Measurement 3 Months From Practical completion			
	Defects Liability Period 6 Months from Practical completion			
	Date for Possession To be agreed with the Project Manager			
	Date for Completion 42 Weeks from date of Possession			
	Liquidated and Ascertained Damages At the rate of Kshs. 35,000.00 per week or part thereof			
	Period of Interim Certificates Monthly			
	Period of Honouring Certificates 30 days			
	Percentage of Certified Value Retained 10%			
	Limit of Retention 10%			
	Advance payment Not applicable			
	Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries			
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	Particular preliminaries			

Item /No					Amount	
	COLLECTION			Kshs	Kshs.	
	Total Brought Forward from Page No.	1				
		2				
		4 5				
		6 7				
		8				
		9 10				
		11 12				
		12				
	Section No. 1		Kshs			
	Preliminaries					
	Bill No. 1					
	Particular preliminaries					

Item		Quantity	Rate	Amount
/No		Quantity		
	SECTION NO. 1		Kshs	Ksns.
	PRELIMINARIES			
	BILL NO. 2			
	GENERAL MATTERS			
	PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES			
	Wherever in the contractor's priced Bills of Quantities no prices			
	appears against an item of preliminaries or Bills of Quantities ,the			
	value of such an item shall be deemed to be included in his prices for			
	other items in the preliminaries or Bills of Quantities.			
	DEFINITIONS AND ABBREVATIONS			
	Abbreviations used in the Bills of Quantities shall be interpreted as			
	follows:-			
	"Approved" shall mean: approved by the Designer			
	"as described" shall mean: as described in the Section			
	No. 3 (Specifications)			
	"as directed" shall mean: as directed by the Designer			
	"B.S." shall mean: the current British Standard			
	Specifications published by			
	Institution, 2 Park Street,			
	London, W.I, England			
	KBS shall mean: The Kenya Bureau of Standards Specification			
	"KG" shall mean: Kilograms			
	"No" shall mean: Number			
	"M" shall mean:Linear Metres			
	Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries			
	Bill No. 2			
	General preliminaries			

Item /No	Quantity	Rate	Amount
		Kshs	Kshs.
"SM" shall mean: Square Metres			
"CM" shall mean: Cubic Metres			
"Ditto" shall mean: the whole of the preceding			
description except as			
qualified in the section in which it occurs in brackets it shall mean the whole of the			
preceding description which			
is contained within the			
appropriate brackets.			
M/S shall mean: Measured separately			
"B.M.S" shall mean: Both sides measured separately			
PR. shall mean Pairs			
B .S shall mean British Standard Specification Published by the British Standards Institutions, 2 Park Street, London W I England			
KEBS Kenya Bureau of Standards			
SITE LEVELS Before commencing work the Contractor must arrange for and a with the Architect and Quantity Surveyor the existing site levels a similarly establish and agree on a bench mark.	~		
Carried to Collection Section No. 1	K s h s		
Preliminaries			
Bill No. 2 General preliminaries			

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Item /No		Quantity	Rate	Amount
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	SETTING OUT			
	The contractor shall set out works in accordance with the dimensions			
	and levels shown on the drawings and shall be responsible for the			
	correctness of all dimensions and levels set out by him and he will be			
	required to ammend all errors arising from inaccurate setting out at			
	his own cost and expenses.			
	In the event of any error or discrepancy in the dimensions or levels			
	marked on the drawings being discovered, such errors or			
	discrepencies must be reported by the contractor to the Architect for			
	his immediate attention.			
	No work shall be commenced by the contractor until he has received			
	written instructions from the Architect to adjust such discrepancies			
	which may be proved, upon receipt of such instructions and no claim			
	for extra expenses for any discrepancy or error in the dimensions or			
	levels shown on the drawings may be made thereafter.			
	SAMPLES			
	The contractor shall furnish at the earliest possible opportunity before			
	work commences and at his own cost any samples of materials or			
	workmanship that may be called for by the Architect for his approval			
	or rejection until such samples are approved to be the minimum			
	standard for the work to which they apply.			
	MATERIALS ON SITE			
	All materials for incorporation in the works must be stored on or			
	adjacent to the site of the works before payment is effected by the			
	Architect.			
	This is to include the materials of the main contractors, sub			
	contractors and nominated sub contractors			
	Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries			
	Bill No. 2			
	General preliminaries			

Item		Quantity	Rate	Amount
/No				Kshs.
	TEMPORARY DISPOSAL OF RAIN WATER The Contractor shall provide and maintain all necessary temporary gutters, downpipes, chutes, drains etc. for conveying rainwater from the buildings.		KSIIS	185115.
	The Contractor shall allow for temporary drainage plumbing and piping for keeping the premises and site free from accumulation of water.			
	PREVENTION OF NUISANCE The works and such sections of the site necessary thereafter shall be under the entire care and control of the contractor during the whole period of the contract and shall take all possible precautions to prevent any nuisance, inconvenience or injury to the holder or occupiers of the existing or surrounding properties and to the public generally, and shall at all times keep all paths and roads affected by the works in a safe and clear state, and shall use proper precautions to ensure the safety of all wheeled traffic and pedestrians.			
	EXISTING SERVICES Prior to commencement of any work the contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes and all other services in the area and he shall make whatever provisions may be required by the authorities concerned for the support and protection of such services. Any damage or disturbances caused to any service shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the contractor's expense.			
	Carried to Collection Section No. 1 Preliminaries Bill No. 2 General preliminaries	Kshs		

m lo	Quantity		
MATERIALS, TOOLS, PLANT AND SCAFFOLDINGS All materials and workmanship used in the execution of the works shall be of the best quality and description. Any materials for the		Kshs	Kshs.
works condemned by the Architect shall immediately be removed from the site at the Contractor's expense.			
The contractor shall order all materials to be obtained from oversea immediately after the contract is signed and shall also order material to be obtained from local sources as early as necessary to ensure tha	s		
they are on site when required for use in the works.			
The contractor shall be responsible for the provision of all materials scaffolding, tools, plant, transport and workmen required for the works except in so far as may be stated otherwise herein and he sha allow for the provision of the foregoing except for such items specifically and only required for the use of Nominated Sub-contractors as described herein.			
No timber used for scaffolding, formwork or similar purpose shall bused afterwards in the permanent works.	pe		
All such plant, tools and scaffolding shall comply with all regulations whether general or local in force throughout the period of the contrand shall be required as may be necessary to comply with any ammendments in or additions to such regulations			
The Bills of Quantities shall not be used for the purpose of ordering materials	5		
Carried to Collection Section No. 1	Kshs		
Preliminaries Bill No. 2			
General preliminaries			

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		Kshs	Kshs.
GOVERNMENT ACTS REGARDING WORK ,PEOPLE ETC.			
The contractor is to comply with all local regulations and by-laws of			
the Local Authority including serving notices and paying of fees.			
In addition to complying with the Factories act (Cap 514) and the			
Factories Amendment act (1990), the contractor shall comply in all			
aspects with the above mentioned rules.			
The contractor will be held responsible for serving on the chief			
inspector of factories a written notice not later than seven days after			
the beginning of the building operations included in this contract			
stating the prticulars required.			
The above rules are published in the Legal Notice 1179 of June 11			
1978 and kenya gazette supplement No. 18 (Legislative Supplement			
No. 13) dated 5th April 1984 respectively. It is most important that			
the contractor ,before tendering shall obtain from the relevant			
authority the fullest information regarding all such regulations and /or			
restrictions which may affect the organisation of the works ,supply			
and control of labour etc., and allow accordingly in his tender.			
No claim in respect of want of knowledge in this connection will be			
entertained.			
SUPERVISION			
The said works shall be executed under the direction and to the entire			
satisfaction of the Architect and clerk of works who shall have the			
Architect's specifically delegated authority and shall at all times have			
access to the works, to the yards and workshops of the contractor or			
other places where goods are being prepared for the building.			
No work shall be covered up nor shall any concreting be carried out in			
the absence of the clerk of works without prior approval of the			
'architect'.			
AREA TO BE OCCUPIED BY CONTRACTOR			
The area of the site which may be occupied by the contractor for use			
as storage and for the purpose of erecting workshops etc shall be			
defined on the site by the Architect			
Carried to Collection	Kshs		
Section No. 1	110110		
Preliminaries			
Bill No. 2			
General preliminaries			

Item		 	 _{D-/}	
/No		Quantity		
			Kshs	Kshs.
	SECURITY OF WORKS AND FENCING			
	The contractor shall be entirely responsible and shall pay security of			
	all works, stores, materials, plant, personnel etc both his own and			
	sub-contractors and shall also provide all necessary watching, lighting, and other precautions as necessary to ensure the security, the			
	safety and protection of the public			
	TRANSPORT TO AND FROM THE SITE			
	The contractor shall include in his prices for the transport of			
	materials, workmen etc to and from the site of the proposed works at			
	such hours and by such routes as are permitted by the Authorities.			
	All unit rates for local or imported goods are to include freight,			
	insurance, handling and delivery costs to the project site together with			
	import duties, sale tax, port charges etc and all other charges of			
	whatever nature.			
	WORKING HOURS AND OVERTIME			
	The working hours shall be those generally worked by good			
	employees in the Building and Civil Engineering trades in Kenya			
	No work shall be carried out at night or on Gazzetted holidays unless			
	the Project Manager shall direct so.			
	The contractor shall be responsible for any extra costs for overtime			
	working he considers will be necessary in order to complete the works			
	within the contract period or time for completion apart from overtime			
	working which may be authorised by the Architect			
	If overtime is worked out in accordance with a written instruction			
	issued by the Architect the contractor will be reimbursed in respect of			
	such overtime to the unproductive time payable over and above the			
	basic hourly rates as laid down by the Regulation of wages and			
	Conditions of employment Act, Building and Construction Industry			
	Wages Council and excluding any bonuses, profits and overheads.			
	Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries			
	Bill No. 2			
l	General preliminaries			

n o		Quantity	Rate	Amoun
			Kshs	Kshs.
V	WATER			
Τ	The Contractor shall provide at his own risk and cost all water for use			
	n connection with the works including the work of sub-contractors			
	nake arrangements with the local authority for the installation of a			
	eparate meter for all water used by him throughout the contract and			
р	pay all costs and fees in connection therewith. He shall also provide			
te	emporary storage tanks and tubing etc as he may consider necessary			
a	nd clear away at completion.			
N	No guarantee is given or implied that sufficient water will be available			
f	rom mains and the Contractor must make his own arrangements or			
a	augmenting this supply at his own cost.			
Γ	The Main Contractor shall provide and make available sufficient			
V	vater for			
1	. Testing all installation requiring water			
2	2. Tanks in units and the main water reservoir which are to be handed			
О	over with a sufficient quantity of water			
3	3. Dams / water features & waste water handling plant which are to be			
h	nanded over in operation condition with sufficient water			
Α	All water shall be fresh, clean and pure, free from earthly vegetable or			
О	organic matter, acid or alkaline substance in solution or suspension.			
Ι	LIGHTING AND POWER			
	The Contractor shall provide at his own risk and cost all temporary			
	rtificial lighting and power for use on the works including all			
	ub-contractors and specialists requirements and including all			
	emporary connections, wiring, fittings etc and clearing away on			
	completion. The Contractor shall pay all fees and obtain all permits			
11	n connection therewith.			
	The Main Contractor shall be responsible for provision of sufficient			
	Power for testing all installation (including sub contractors			
it	nstallations)			
	Carried to Collection	Kshs		
	Section No. 1			
	Preliminaries			
	Bill No. 2			
C	General preliminaries			

m No	Quantity		Amoun Kshs.
CANITATION OF THE WORKS		1 20110	1 201101
SANITATION OF THE WORKS			
The sanitation of the works shall be provided, maintained and	C.1		
removed on completion by the Contractor to the satisfaction of Architects and local Authorities.	the		
The latrines shall be enclosed with framing and corrugated shee	to		
roofs, sides and partitions, with concrete floors steel trowelled s			
to floors to facilitate washing. Their location shall be agreed w			
Architects and the works shall not be commenced before the sa			
accomodation has been approved by the above mentioned auth	· · · · · · · · · · · · · · · · · · ·		
The Contractor will be required to pay all conservancy charges:			
shall ensure clean daily maintenance and disinfecting of the latri			
and not less than once per week, the whole area shall be sprayed			
disinfectant and insecticides and any temporary drains shall be	a with		
removed and all works and surfaces disturbed made good and	then		
the whole area disinfected and left clean and free from pollutio			
the satisfaction of the Architect and local authorities.			
ACCESS TO SITE AND TEMPORARY ROADS			
Means of access to the site shall be agreed with the Architect pr	rior to		
commencement of the works and the Contractor must allow fo	r		
building and maintaining any temporary access roads for the tra	nsport		
of materials, plant and workmen as may be required for the con-	nplete		
execution of the works including the provision of temporary cu	lverts,		
crossings, bridges or any other means of gaining access.			
Upon the completion the works the Contractor shall remove su			
temporary roads, temporary culverts bridges etc and make good			
reinstate all works and services disturbed to the satisfaction of t	he		
Architect.			
Carried to Collection	Kshs	•	
Section No. 1			
Preliminaries			
Bill No. 2			
General preliminaries			

Item /No		Quantity	Rate	Amount
			Kshs	Kshs.
	CONCRETE TEST			
	Note: The Architect shall arrange for the testing of each metarials as he may			
	The Architect 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 Architect. 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 Architect. The Contractor shall allow in his tender for			
	samples and tests except those in connection with nominated			
	sub-contractor.			
	The contractor must allow in his rates all costs in connection with the making of cubes, curing, transport, crushing by an approved testingl Authority and obtaining			
	the test certificate			
	Set of fourty 150 x 150 x 150mm concrete test cubes			
	400 sets (Provisional @ Kshseach set)			
	*Contractor to insert rate and extend	item		
	PUBLIC, PRIVATE ROADS AND PAVEMENTS ETC			
	The contractor will be required to make good at his own expense any			
	damages he may cause to the present approach road surfaces during			
	the period of the works to the satisfaction of the local and other	٠.		
	competent authority and the Architect.	item		
		Kshs		
	Section No. 1 Preliminaries			
	Bill No. 2			
	General preliminaries			

m Jo		Quantity		Amoun
TEMP	PORARY BUILDINGS		Kshs	Kshs.
goods	ontractor shall provide sheds for storage accommodation for all and materials liable to suffer damage from exposure to the or inclement weather.			
require	ontractor shall provide offices, mess rooms and all the buildings ed by the contractor for his own use and the use of Nominated ontractors as required by the items of attendance only.			
consul plan cl	ontractor will not be required to provide a separate office for ltants but he shall provide a table of sufficient size for meetings, thest for drawings and sufficient number of chairs as shall be ed necessary for use by the consultants.			
	ontractor shall allow for the cost of providing light refreshment e consultants at site meetings.			
one du	ontractor shall keep on the site and maintain in good condition umpy or quickset level, metric leveling staff and one 30 metre ape for the use of the Architect, Surveyor and Engineer.			
Upon cleared	completion all temporary buildings are to be removed and d away			
DIRE	CCT CONTRACTS			
right to the wo and to	ithstanding the foregoing conditions, the Employer reserves the to place a 'Direct Contract' for any goods or services required in torks which are covered by a P. C. Sum in the Bills of Quantities of pay for the same direct. In any such instances, profit relative to C. Sums allowed.			
Section	ed to Collection on No. 1 minaries	Kshs		
Bill No Genera	o. 2 ral preliminaries			

n o	Quantity	Rate	Amount
		Kshs	Kshs.
PROVISIONAL WORK The term 'Provisional Sum' wherever used in these Bills of Quantities shall have the meaning of 'A sum provided for work or for costs			
which cannot be entirely foreseen, defined or detailed at the time th Tender Documents are issued.'	e		
All works described in these Bills of Quantities are 'provisional'			
All quantities will be subject to remeasurement on completion and execution of works in order to ascertain the actual quantity			
executed for which payment will be made. All works liable to			
adjustments under this contract shall be left uncovered for a			
reasonable time to allow all measurements needed such adjustments be taken by the 'architect'.	to		
Immediately the work is ready for remeasuring ,the contractor shall give notice to the 'architect' .			
If the contractor makes default to these respect he shall if the			
'architect' so directs uncover the work to enable all measurements to	,		
be taken and afterwards reinstate at his own expense.			
NOMINATED SUPPLIERS			
The contractor shall take delivery anywhere in Nairobi of all materia	ls		
or goods supplied by the Nominated suppliers and shall sign a receip			
as having received them in good order and condition. He shall ofloa			
transport to site, unload, hoist, and provide safe storage and thereaft			
be responsible for any loss or damage or replacement of any such lo	st		
or damaged articles at his own expense and shall return case if so required.			
Provision is made herein following each appropriate P.C sums for the	ne		
costs of the foregoing services against items reading "take delivery of and fix only"	f		
Carried to Collection	Kshs		
Section No.	K s n s		
Preliminaries			
Bill No. 2			
General preliminaries			

Item /No		Quantity		Amount
	PRIME COST SUMS i) The words "Prime Cost" (or the initials "P.C") appearing in the contract documents shall mean net costs exclusive of any trade, cash or other discount whatsoever but inclusive of the costs of the packing, carriage and delivery. Such costs shall be the same due to the sub-contract or supplier after adjustments where applicable in respect of measurements of rates.		Kshs	Kshs.
	ii) Any increase or decrease in the prime costs sums resulting from the adjustments and properly paid by the contractor shall be added or deducted from the contract sum in the final account. In substantiation the contractor will require to produce to the Quantity Surveyor all quotations, invoices and receipted accounts as shall be necessary to show the details of the sums actually paid.			
	iii) Any sum added by the contractor in these Bills of Quantities in respect of profits upon any prime costs will be deducted at the final settlement of accounts and the sum will be added to the amount of which will bear the same proportion to the sum added as the net amount properly expended to the original P.C sum.			
	Carried to Collection Section No. 1 Preliminaries Bill No. 2 General preliminaries	Kshs		

Item		<u></u>	D .	<u>ا</u>	Ì
/No		Quantity		Amount	
	NAME OF THE PARTY		Kshs	Kshs.	
	NOMINATED SUB-CONTRACTORS				
	When any work is ordered by the Architect to be executed by				
	nominated Sub-contractor, the contractor shall enter into Sub-contract as described in Condition No. 20 of the Condition of Contract and				
	shall accept responsibility for providing the following services for nominated sub-contractors.				
	nonmated sub-contractors.				
	i) GENERAL ATTENDANCE: The following services are				
	described as "allow for general attendance"				
	a) Use for the purpose of the sub-contract works of any scaffolding				
	belonging to or provided by the contractor while it remains so erected				
	upon site, provided that no warranty or other liability on the part of				
	the contractor or of his other sub-contractors shall be created or				
	implied in regard to the fitness, condition or suitability of the said				
	scaffolding				
	b) Provision of water, lighting, watching and attendance for the				
	purpose of the sub-contract works.				
	c) Use of sanitary accommodation, mess-rooms and welfare facilities.				
	d) Provision of space for erecting of offices or stores or space for				
	storage of plant and materials.				
	The contractor should price for these with the nominated				
	Sub-contractor's work concerned in the P. C Sum under the				
	description "add for attendance "				
	ii) SPECIAL ATTENDANCE:				
	The following services are stated under a separate item and where				
	described under the following headings shall mean:				
	a) Taking delivery including the provision of unskilled labour				
	necessary to attend upon the sub-contractors workmen for the purpose				
	of unloading plants and materials when received upon the site and				
	placing in position within the sub-contractor's storage space or store.				
	Carried to Collection	Kshs	ı		
	Section No. 1				
	Preliminaries Preliminaries				
	Bill No. 2				
	General preliminaries	1			

n O		Quantity		Amoun Kshs.
COI	Hoisting including the provision of unskilled labour and the use of any ntractors standing scaffoding and plant for the purpose of assisting the sub-intractors workmen in hoisting the sub-contractors plant and materials to the riouslevels but not placing in its final position.			
c)	Providing power including the provision of power during			
	e course of the works and during the period of commissioning and ining.			
IN	SURANCE			
Th	e contractor shall insure as required in clauses Nos.12 and 13 of the			
	onditions of Contract. No payment on account of the work executed			
	ll be made to the contractor untill he has satisfied the Architect			
	her by production of an insurance policy or and Insurance			
	rtificate that the provision of the foregoing insurance Clauses have			
	en complied with in all respects. Therefore the Architect shall from			
	ne to time ascertain that the premiums are duly paid up by the ntractor who shall if called upon to do so, produce the receipt			
	emium renewals for the Architect 's inspection.			
PR	COTECTION OF THE WORK			
Th	e Contractor shall cover up ,casing up ,covering and protect all			
fin	ished work liable to damage including provision of temporary roof,			
gut	tters, drains etc until the completion of the works.			
In	the event of any damages occuring to the works, materials, sewers,			
dra	ains, gullies, paths or other works on site in temporary possession of			
	e contractor for the purpose of this contract either from weather,			
	nt of proper protection, defects, or insufficiency of the works or			
	y other causes or whatsoever during the progress of the works, the			
	ntractor shall be responsible and without extra charge, make good			
all	damage and pay all costs which may be levied.			
Ca	rried to Collection	Kshs	1	
	ction No. 1			
Pre	eliminaries			
Bil	l No. 2			
Ge	eneral preliminaries			

		Quantity		Amour
			Kshs	Kshs.
REMOV	VAL OF PLANT AND RUBBISH ETC			
The Cor	ntractor shall upon completion of the works remove and clear			
away all	temporary buildings, plant, rubbish and unused materials,			
	l leave the whole of the site of the works in a clean and tidy			
	the satisfaction of the Architect. He shall also remove all			
	and dirt from the site at weekly intervals or as directed by the			
Architec	it.			
WORKS	S TO BE DELIVERED UP CLEAN			
Clean an	ad flush all gutters, rainwater and waste pipes, manholes and			
drains ,v	vash (except where such treatment might cause damage) and			
clean all	floors, sanitary fittings, glass inside and outside and any			
_	rt of the works and remove all marks blemishes, stains and			
	from joinery fittings and decorated surfaces generally, polish			
	niture and bright parts of metal work and leave the whole			
_	water tight, clean, perfect and fit for occupation to the			
approva	l of the 'architect'.			
ALTER	ATIONS TO BILLS, PRICING, ETC.			
	uthorised or qualification made to the text of the Bills of			
Quantiti	es may cause the tender to be disqualified and will in any case			
_	ed.The contractor shall be deemed to have made allowance in			
_	s generally to cover any item against which no price has been			
	in the priced Bills of Quantities .All items of measured work			
	priced in detail and the Tenders containing Lump sums to			
	ades of groups of works must be broken down to show the			
price of	each item before they will be accepted.			
COPYR	IGHT			
	yright of these documents is vested in Works officer-Department of			
	works, Kitale. It is illegal to use this document for purpose of another			
	t or to produce it in part or in whole without the authors prior consent in			
writing.				
	to Collection	Kshs	1	
Section 1				
Prelimin				
Bill No.				
General	preliminaries			

Item /No		Quantity	Rate	Amount
			Kshs	Kshs.
	COLLECTION			
	Total Brought Forward from Page No. 14			
	15			
	16			
	17			
	18			
	19			
	20			
	21			
	22			
	23			
	24 25			
	26			
	27			
	28			
	29			
	K s h s			

Bills of Quantities Section No 1 Preliminaries SECTION SUMMARY - Preliminaries

1	Particular preliminaries	Pg 13		
2	General preliminaries	Pg 30		
Carried to Final Summary	K s h	S	1 1	I

Carried to Final Summary

Section No. 1

Preliminaries

Item No.	Description	Units	Quantity	Rate	Amount
140.	SECTION 3 BUILDER'S WORKS				
	BILL NO. 1 SUBSTRUCTURE WORKS (ALL PROVISIONAL)				
Α	Site Clearance Clear site of all shrubs, small bushes grub up roots and burn the arising.	SM	30		
В	Allow for Cuting of an existing tree of girth approximately 600 - 900mm and Uproot the stump including the roots and dispose.	NO	5		
	Demolisions				
С	Carefully demolish existing condemned structure in masonry walls GCI cover and timber, concrete floor slab, clear site and cart away the arising debris as shall be instructed by the PM;	item			
D	Excavation (Provisional) Stripping off for levelling (mechanical) commencing at existing ground surface - average 400 millimeters deep.	СМ	720		
E	For column bases commencing at stripped level - not exceeding 1.50 meters deep.	СМ	195		
F	For column bases s commencing at 1.50m - not exceeding 3.00 meters deep.	СМ	65		
G	For strip foundation commencing at stripped level - not exceeding 1.50 meters deep.	СМ	206		
Н	Extra over for excavating in rock Class I	СМ	5		
ı	Trim surface of rock to receive blinding and fill	SM	20		
J	<u>Disposal</u> Backfill selected excavated material around foundations: compact in layers not exceeding 150mm thick	CM	280		
K	Load and cart away surplus spoil from site to approved local authority dumping site	СМ	186		
	Carried to Collection			KSHS	

Item No.	Description	Units	Quantity	Rate	Amount
	Damp proof membrane 1000 gauge polythene; horizontal damp proofing membrane; 150mm laps, measured net: under beds	SM	512		
А	Anti-termite treatment Chemical anti-termite treatment to sub-soil or filling excecuted by an approved specialist under a ten-year guarantee to	SM	512		
В	Imported filling Hardcore bed blinded to receive concrete, thickness - 150mm (m/s).	SM	512		
С	Quarry dust to surfaces of hardcore: 50mm thick	SM	512		
D	Planking and Strutting Planking, strutting and shoring to sides of all excavations: keep excvavations free from all fallen materials		ltem		
E	Disposal of Water Keeping excavations free from water by baling, pumping or otherwise		ltem		
F	Insitu Plain Concrete: Mix 1:4:8 (Class 15) 50mm thick blinding: Under bases	SM	130		
G	50mm thick: under strip foundation.	SM	50		
Н	Vibrated Reinforced Concrete Class 25/20mm in Column bases	СМ	60		
ı	Foundation columns	СМ	6		
J	200mm Foundation Strip	CM	10		
K	175 mm thick ground floor slab	SM	512		
L	Selected and approved natural stone: load bearing (7.0N/mm²) walling: bedded, jointed and pointed in cement and sand (1:4) mortar 200mm thick: in foundation.	SM	183		
	Carried to Collection			KSHS	

	ER. NO COUNTY ASSEMBLY OF				
Item No.	Description	Units	Quantity	Rate	Amount
	Steel mesh fabric reinforcement to B.S. 4483				
Α	Layer of mesh fabric reinforcement laid in slab or bed				
``	(measured nett) - Ref. A142 weighing 2.22 kgs.square meter	SM	512		
	(Jivi	312		
	High tensile Deformed steel reinforcement bars to B.S 4461				
В	16mm diamater	KG	978		
С	12mm diamater	KG	1,142		
D	10mm diamater	KG	-		
	mild steel reinforcement bars to B.S 4449				
Е	8mm diamater	KG	266		
	Sawn softwood formwork				
F	Edges of floor slab 75 - 150mm	LM	109		
		60.4	0.2		
G	Vertical sides of columns	SM	83		
Н	Vertical sides of column bases	SM	122		
	Carried to Collection			KSHS	
		<u> </u>			

T.	T				
Item No.	Description	Units	Quantity	Rate	Amount
1.5.					
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 1				
	SUB-STRUCTURE				
	COLLECTION Total Brought from Page No.	-3/1/1-			
	Total Brought Holli Page No.	3/1/1			
		-3/1/2-			
		-3/1/3-			
		0, 2, 0			
	Carried to Summary		KSHS		
	,				

Item	Description Description	Units	Quantity	Rate	Amount
No.	Description	Offics	Quantity	Nate	Amount
140.					
	SECTION 3				
	BUILDER'S WORKS				
	BILL NO. 2				
	REINFORCED CONCRETE SUPERSTRUCTURE				
	Insitu Concrete Class 25/20mm: Vibrated: Reinforced				
Α	Columns	CM	26		
В	Beams and Lintels	СМ	63		
В	beams and Linters	Civi	03		
С	200mm thick Lift Shaft	CM	_		
	20011111 Cities Elit Situate	0.,,			
	Suspended slabs: insitu concrete class 25/20 mm: vibrated:				
	reinforced				
D	175mm thick suspended floor slab	SM	488		
E	150mm thick suspended sloping slab in ramp	SM	-		
	mild steel reinforcement bars to B.S 4449				
	8mm diamater beams	KG	4,651		
G	8mm diamater columns	KG	1,053		
	High towards Deformed steel mainforcement house to D.C. 44C1				
١	High tensile Deformed steel reinforcement bars to B.S 4461				
Н	25mm diameter	KG	2,817		
	20mm diameter	KG	721		
J	16mm diamater	KG	8,362		
K	12mm diamater	KG	8,540		
	10mm diamater	KG			
L	10mm diamater	NG	-		
	Steel mesh fabric reinforcement to B.S. 4483				
М	Layer of mesh fabric reinforcement laid in slab or bed (measured				
	nett - no allowance made for laps) - Ref. A142 weighing 2.22				
	kgs.square meter	SM	-		
	·				
				KCHC	
	Carried to Collection			KSHS	
		1			

Itom	Description Description	Units		Rate	Amount
No.	Description	Units	Quantity	Rate	Amount
INU.					
	Sawn softwood formwork: to				
Α	Sides of beams and lintels	SM	775		
'`					
В	Suspended floor slab	SM	488		
С	Suspended ramp slab	SM	-		
D	Vertical sides of columns	SM	331		
Ε	Vertical sides of circular columns	SM	-		
	Carried to Collection	ı 📗		KSHS	

Item No.	Description	Units	Quantity	Rate	Amount
	CECTION NO. 3. PHILIPEDIC WORKS				
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 2 REINFORCED CONCRETE SUPER STRUCTURE				
	COLLECTION Total Brought from Page No.		-3/2/1-		
			-3/2/2-		
			-, ,		
	Carried to Summar	У	KSHS		

Item No.	Description	Units	Quantity	Rate	Amount
	SECTION 3 BUILDER'S WORKS				
	BILL NO. 3				
	ROOFING AND RAINWATER DISPOSAL Timber Roof Finishes				
	The following in 34 No. trusses timber structure of the roof with				
	nailed connections including hoisting and fixing in position not exceeding 12metres above ground level (in Treated sawn cypress)				
Α	100x50mm wall plate	LM	164		
В	150x50mm Rafters	LM	338		
С	150x50mm Tie beam	LM	310		
D	100x50mm Struts and ties	LM	321		
_			•		
E	100x50mm Ceiling Joists	LM	0		
F	100x50mm purlins	LM	48		
	Roof Cover				
G	Supply 28 gauge profiled matt prepainted sheets as specified and				
	fixed on timber purlins m/s on ready roof structure supplied with all nacessary accessories on a 5 degrees pitch.	SM	473		
	nacessary accessories on a 3 degrees pitch.	3141	473		
	Roof finishes				
	22 Gauge galvanised pressed steel sheet		C.E.		
Н	Gable verge board flashing 450mm girth : four labours	LM	65		
	Parapet Walls				
	Selected and approved stone or concrete non-load bearing				
	(7.0N/mm²) block walling : bedded, jointed and pointed in cement				
	and sand (1:4) mortar				
I	150mm Thick parapet walls (roof level)	SM	146		
	Precast concrete (class 20/12mm) coping: twice weathered and				
	throated: bedded, jointed and pointed in cement and sand (1:4)				
J	<u>mortar</u> 250mm Wide x 50mm high (roof level)	LM	105		
'		LI¥I	103		
	Carried to Collection			KSHS	

Item	Description	Units	Quantity	Rate	Amount
No.					
	RAIN WATER GOODS Unplasticised PVC rainwater pipes and fittings : solvent welded joints				
	100 mm Diameter : rain water downpipe : encased in concrete columns : including all necessary bends, branches and fittings				
Α	Fullboras-150mm diameter	NO	-		
В	UpVC down pipes- size 100mm dia	LM	42		
С	T' Wash mordant solution treatment : prepare and apply one zinc chromate primer and three coats gloss paint : to General surfaces : flashing and cappings	SM	-		
D	Waterproof cement and sand (1:4) protective screed : on masonry: to 32 mm thick to 250mm high skirting to parapet and service housing	LM	42		
	Rain water goods Supply and fix Size 150 mm diameter half round Heavy duty PvC gutter and associated accessories for water goods as Metro plastics.				
Е	Gutters	Lm	41		
F	Universal angles	No	0		
G	Central outlets	No	7		
Н	Gutter connectors	No	8		
I	Stop ends	No	2		
J	Support brackets	No	33		
K	Pipe clips	No	30.0		
L	Pipe bends	No	12		
M	Shoes	No	7		
	Carried to Collection			KSHS	

Item No.	Description	Units	Quantity	Rate	Amount
	SECTION NO. 3 - BUIDER'S WORKS				
	BILL NO. 3				
	ROOFING AND RAINWATER DISPOSAL		PAGE		
	COLLECTION				
	Total Brought from Page No.		-3/3/1-		
			-3/3/2-		

Item	Description	Units	Quantity	Rate	Amount
No.			ζ,		
	SECTION 3				
	BUILDER'S WORKS				
	<u>BILL NO. 4</u>				
	WALLING				
	External walling				
	Selected and approved natural stone : load bearing				
	(7.0N/mm²) walling: bedded, jointed and pointed in cement				
	and sand (1:4) mortar				
Α	200mm thick: in upper floors	SM	421		
Ì					
В	200mm thick: in gables	SM	-		
	Internal walling				
	Selected and approved natural stone OR solid concrete blocks				
	: load bearing (7.0N/mm²) walling : bedded, jointed and				
	pointed in cement and sand (1:4) mortar				
С	200mm thick: in upper floors	SM	2,171		
_					
D	150mm thick: in upper floors	SM	172		
	PRECAST VERTICAL ELEMENTS				
	Approved precast elements in nominal BRC reinforcement				
_	anchored on to the building frame appropriately				
Е	Size 8000x900x100mm	NO	57		
	Carried to Collection			KSHS	
	Carried to Collection			כווכא	
		<u> </u>			

	Description	Units	Quantity	Rate	Amount
No.		-			
	SECTION NO. 3 - BUIDER'S WORKS				
	BILL NO. 4				
	WALLING AND PRECAST ELEMENTS		PAGE		
	COLLECTION				
	Total Brought from Page No.		-3/4/1-		
	Carried to Summary		KSHS		

	Description	Units	Quantity	Rate	Amount
No.					
	SECTION 3				
	BUILDER'S WORKS				
	BILL NO. 5				
	STAIRCASE AND STEPS				
	Insitu Concrete Class 25/20mm: Vibrated: Reinforced				
Α	Beams and downstands	СМ	-		
В	Steps and stairs	СМ	3		
С	150mm thick suspended landing	SM	6		
	mild steel reinforcement bars to B.S 4449				
D	8mm diamater	KG	-		
	High tensile Deformed steel reinforcement bars to B.S 4461				
E	16mm diamater	KG	-		
_	40 11 1				
F	12mm diamater	KG	810		
	Sawn softwood formwork: to				
G	Soffites stairs & landing.	SM	6		
Н	Risers of stair 75 - 150mm	LM	34		
I	Ditto Edges of stair 325mm	LM	6		
	12mm Lime plaster: steel trowelled finish: on concrete: to				
J	Horizontal soffits : landings	SM	6		
K	Sloping soffits : staircases	SM	11		
L	Sides of beams	SM	4		
	Carried to Collection			KSHS	

Item	Description	Units	Quantity	Rate	Amount
No.	Description .	Offics	Quartity	Nate	Amount
	Cement and sand (1:4) wood floated beds : on concrete				
Α	30mm Floors : finished to receive floor finish m/s	SM	6		
В	Ditto : treads 250 mm wide : ditto	LM	36		
	bitto : treads 250 mm wide : ditto	LIVI	30		
С	15mm Screed to riser 150mm high : ditto	LM	36		
D	Ditto: vertical edge: open string edge to steps 300mm wide		_		
	(extreme)	LM	7		
	porcelein tile floor finish				
	Supply and fix 20mm thick Porcelein tile floor finish in				
_	approved adhesive including white cement filler .	6.4			
E	Floor finish	SM	6		
F	Treads 250mm wide: with non slip grooves and rounded nose				
		LM	36		
G	Risers 150mm high	LM	36		
Н	100mm Skirting : rounded top edge : coved junction	LM	20		
''	200mm skirting . Tourided top edge . coved junction		20		
- 1	Ditto : to profile of treads and risers	LM	7		
	Prepare and apply three coats 1st grade silk vinyl emulsion				
	paint: to				
J	Plastered horizontal soffits: landings	SM	6		
K	Plastered sloping soffits: staircases	SM	11		
L	Plastered sloping vertical edge : waists to steps	SM	11		
-	i lustered sloping vertical edge : waists to steps				
	Carried to Collection			KSHS	
	3333 33 3333				
1					

Item	Description	Units	Quantity	Rate	Amount
No.			Quartity		7
	BALUSTRADING Staircases (Type I, II and III) Mild steel; with smooth welded joints and all necessary connection plates and bolts Balustrades and railings : all joints ground smooth : one shop coat primer, undercoat and spray paint with automotive				
	metalic and gloss paint as directed (to Architects detail)				
А	900 mm High raking balustrading comprising: 40 mm diameter x 3mm thick CHS handrail, 3 No. 20 mm diameter x 3mm thick horizontal intermediate rails: 2 No. intermediate balusters one 150 mm long and the other 340 mm long both at 200 mm centres: 900 mm long x 40 mm diameter x 3mm thick balusters at 1,375 mm centres: feature baluster to detail at 700 mm centres: plate brackets:	LM	7		
		1.54	2		
В	Horizontal balustrade : ditto	LM	2		
С	Extra over for forming bends	NO	3		
	Carried to Summary			KSHS	

Item No.	Description	Units	Quantity	Rate	Amount
INO.					
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 5				
	STAIRCASE AND STEPS				
	COLLECTION Total Brought from Page No.		-3/5/1-		
			-3/5/2-		
			-3/5/3-		
	Carried to Summa	ry	KSHS		

140	LR. NO, COUNTY ASSEMBLY	- المناه	0	Data	A
	Description	Units	Quantity	Rate	Amount
No.					
	SECTION 3				
	BUILDER'S WORKS				
	BOILDER'S WORKS				
	BILL NO. 6				
	DOORS				
	<u>500113</u>				
	Glass door (Frameless)				
Α	8mm Thick toughened tinted frameless glass door (overall) size				
	3400 x 2600mm high in two equal leaves : with and including 3				
	lever mortice lock, 4No 450mm high stainless steel door				
	handle, hinges, 2No double action floor springs and rubber				
	door stops :	NO	1		
В	Ditto size 900x2700mm	NO	6		
	Framed mild steel doors and accessories : 50 x 25mm steel :				
	16gauge sheet metal plates and louvres: 50 mm wide PV:				
	with 2 layers of 1 and 5mm mosquito gauze and 6mm thick				
	clear glass complete with iron mongery				
С	Composite door (overall) size 900 x 2700 mm high: 300mm				
	hign glass panel at 2100mm: complete:single leaf	NO	1		
D	Ditto Overall size 1800x2700mm: Double leaf: Exit doors: two				
	hour fire rated	NO	1		
	<u>Timber Doors</u>				
	45mm thick solid core flush door with veneer facing in				
	225x50mm hardwood frame				
E	Overall size 820 x 2060mm	NO	23		
	Aluminium standard section framed doors and accessories by				
	an approved specialist sub-contractor : Powder coated to				
	Architect approval: including toughened glass infill to panels				
	: glazing beads bedded in mastic : to concrete or blockwall				
	surfaces with screws plugged : bedded and pointed all round				
-	in mastic complete with iron mongery Single leaf composite door (overall) size 1200 x 2060 mm high,				
F	comprising: 100 x 50 mm stiles all round: 2no middle rails:				
	middle and bottom panels infilled with 8mm CS glass				
	:complete Sliding	NO	3		
	Leompiete Siluing	INO]		
G	Ditto size 900x2100mm	NO	1		
	2.00 0.20 0000.2000	10			
	Carried to Collection			KSHS	
	3333 33 3333				
			<u> </u>		1

Item	Description	Units	Quantity	Rate	Amount
No.					
	Panelled hardwood doors				
Α	50mm Mahogany door leaf size 820x2060mm overall with 4				
	fielded & raiised panels	NO	14		
В	Ditto size 1800x2060mm	NO	8		
	Wrot meru oak : selected and kept clean				
С	20 x 25mm Glazing bead	LM	66		
D	20 x 25mm Quadrant bead	LM	335		
Ε	75 x 25 mm Moulded architrave	LM	335		
F	225 x 50 mm Frame : three labours : moulded : screwed and pellated	LM	173		
G	150 x 50 mm Frame : three labours : moulded : screwed and pellated	LM	166		
Н	Ditto: 75 x 50 mm Frame	LM	-		
	Supply and fix the following ironmongery to Architect's approval: reference are to "Tapis Range" or equal and				
I	approved : to timber : with matching screws 100mm Brass butt hinges	PRS	80		
J	Rubber door stops : plugged and screwed to floor	NO	71		
K	Two lever rebated mortice lock : set lever handles	NO	8		
L	Three lever mortice lock : ditto	NO	14		
M	Door closer : overhead	NO	12		
N	Indicator bolt	NO	23		
0	Male / Female symbol : aluminium plate	NO	6		
	Carried to Collection			KSHS	

12	LR. NO, COUNTY ASSEMBL				
1	Description	Units	Quantity	Rate	Amount
No.					
Α	Disabled symbol : aluminium plate	NO	2		
	4mm Clear sheet glass : glazing to wood with beads (beads				
	measured separately)				
В	In panes of various sizes (fanlight)	SM	29		
	Prepare and prime before fixing : on woodwork				
С	Architrave and quadrants : not exceeding 100mm girth	LM	335		
	The include and quadrants there exceeding foothing girth	2.7.	333		
D	Frames : over 100 but not exceedingnot exceeding 200mm				
	girth	LM	-		
Е	Ditto: over 200 but not exceeding 300mm girth	LM	339		
	Duamana and apply these costs polygrathens clear yourish top				
	Prepare and apply three coats polyurethane clear varnish : on woodwork				
F	General surfaces : doors	SM	113		
G	General surfaces : transomes	SM	3		
Н	Ditto : Frames	SM	50		
	Durance and could there exists Class weight an austrace of				
	Prepare and apply three coats Gloss paint : on surfaces of steelwork				
	General surfaces : doors	SM	12		
	Carried to Collection			KSHS	

	Description	Units	Quantity	Rate	Amount
No.					
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 6				
	DOORS				
	COLLECTION				
	Total Brought from Page No.				
			-3/6/1-		
			-3/6/2-		
			-3/6/3-		
			-5/0/5-		
	Carried to Summ	nary	кѕнѕ		
			<u> </u>	<u> </u>	

Item No.	Description	Units	Quantity	Rate	Amount
-	SECTION 3 BUILDER'S WORKS				
	BILL NO. 7				
	WINDOWS				
	CURTAIN WALLING Curtain wall system as supplied and installed by Canon Aluminium Fabricators Limited or equivalent approved system with the following specifications:				
	Powder coated mullion and transom with Moment of Inertia adequate for the structural requirement to the facade taking cognizance of wind load, span and building height. Deflection to be limited to 1/175 of span. Colour to Architects approval.				
	- Hollow profiles for precision accommodation of the special joint cleats. Invisible fixing screws or any fixtures from both sides of wall.				
	- Dry glazing with EPDM gaskets for fixed glass Structurally glazed vents without any visible frame to outside with friction stay opening devices or manufacturers recommended equivalent stay system.				
	Powder coated mild steel fixing brackets: Provision for expansion/contraction in the system: System should be weather tight: Each glass pane should be ventilated via the 4 corners: System should have integral pressure equilization with condensation and drainage provision.				
	- Fire barrier provision in between each floor.				
	- Glass as specified: Pressed aluminium Powder coated cills under all windows				
Α	Curtain walling: composite window panel (overall) size 12000 x 6500mm high comprising: standard panels size 800 x 900mm high each fixed to 50 x 50mm SHS frames on a main frame of 100 x 50mm RHS vertical columns: 5 No top hung openable full length panels each size 800 x 850mm high; with and including 10mm thick toughened solar reflective plate glass (Ground to 1st floor)	NO	2		
	Carried to Collection			KSHS	

Item	ER. NO, COUNTY ASSEMBLY OF TR				
No.	Description	Units	Quantity	Rate	Amount
	Aluminium casement :				
А	Aluminium casement; Heavy duty powder coated aluminium windows including frames, iron				
	mongery and 8mm CS Glass overall size 900x600mm.	NO	25		
В	Ditto 1500x1700mm	NO	12		
С	Ditto 1800x1700mm	NO	31		
			0-1		
	Carried to Collection			KSHS	
	Carried to conection				

ltem No.	Description	Units	Quantity	Rate	Amount
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 7				
	WINDOWS				
	COLLECTION				
	Total Brought from Page No.		-3/7/1-		
			-3/7/2-		
			-3/7/3-		

LR. NO, COUNTY ASSEMBLY OF TRANS NZOIA.								
Item	Description	Units	Quantity	Rate	Amount			
No.								
	SECTION 3							
	BUILDER'S WORKS							
	BILL NO. 8							
	<u>FINISHES</u>							
	EXTERNAL FINISHES							
	Wall finishes							
	15 mm Thick cement and sand (1:4) render : wood float finish							
Α	Externally to walls	SM	421					
В	Externally to beams	SM	127					
С	Externally to Parapet wall	SM	146					
	Prepare and apply three coats 1st grade exterior quality plastic emulsion paint : to							
D	Rendered Walls	SM	421					
E	Externally to beams	SM	127					
F	Externally to Parapet wall	SM	146					
	Carried to Collection			KSHS				
		Ī						

LR. NO, COUNTY ASSEMBLY OF TRANS NZOIA.							
Item	Description	Units	Quantity	Rate	Amount		
No.							
	INTERNAL FINISHES						
	INTERNAL PRODUCT						
	Floor Finishes						
	Cement and sand (1:4) trowelled beds: on concrete to:						
Α	40mm floor screed	SM	1,000				
	Rubber tile						
	Supply and fix 600x600x10mm thick rubber tile including an						
_	approved adhessive.	CNA	152				
В	In Gym Floor finish	SM	152				
С	Ditto in 150mm skirting	LM	48				
C		LIVI	40				
	Ceramic floor tiles						
D	600 x 600 x 10mm Coloured non-slip Ceramic floor tiling						
	manufactured by SAJ CERAMIC LTD. or equivalent laid on c/s						
	screed and pointed in tinted cement	SM	848				
Ε	Ditto in 150mm skirting	LM	860				
	Carried to Collection	1		KSHS			
		•		•	-		

	LR. NO, COUNTY ASSEMBLY OF TRANS NZOIA.							
Item	Description	Units	Quantity	Rate	Amount			
No.								
	L., ., .,							
	Wall Finishes							
	4F Unit all above the later to the lat							
	15mm Lime plaster : steel trowelled finish : on concrete,							
٨	blockwork or stonework : to Walls and columns	SM	5,107					
Α	I vvalis aliu culullilis	JIVI	3,107					
	Ceramic tiles size 200x300x6mm laid appropriate adhesive:							
В	Walls (wet areas)	SM	1,277					
			_,,					
	Prepare and apply three coats 1st grade silk vinyl emulsion							
	paint : to							
С	Plastered walls and columns	SM	3,830					
	Carried to Collection			KSHS				

<u> </u>	LR. NO, COUNTY ASSEMBLY OF TH			_	_
Item	Description	Units	Quantity	Rate	Amount
No.					
	- W - C - L				
	<u>Ceiling finishes</u>				
	12mm compat and cond (1.4) backing a wood floot finish an				
	12mm cement and sand (1:4) backing : wood float finish : on				
_	<u>concrete : to</u> Horizontal concrete soffits : finished to receive textured finish	CNA	400		
Α	nonzontal concrete somits : linished to receive textured linish	SM	488		
	45 Water and interest Community to a second and including				
	15mm: Water resistant Gypsum boards: screwed and including				
	aluminium brandering : to	SM	470		
В	Horizontal ceiling: generally	SIVI	470		
	Prepare and apply three coats 1st grade Matt vinyl emulsion				
С	<pre>paint : to Plastered ceiling surfaces</pre>	SM	488		
	Plastered Celling Surfaces	JIVI	400		
	Supply and fix approved cornice size:				
D	75 x 75mm Cornice	LM	720		
	73 x 73mm connice		720		
	Prepare and apply three coats 1st grade emulsion paint : to				
E	Gypsum ceiling	SM	470		
-	C) pour Com 6				
F	Ditto but 75 - 150mm girth	LM	720		
	5.00 500 75				
	Carried to Collection			KSHS	

	LR. NO, COUNTY ASSEMBLY OF TRANS NZOIA.							
Item	Description	Units	Quantity	Rate	Amount			
No.								
	SECTION NO. 3 - BUILDER'S WORKS							
	BILL NO. 8							
	FINISHES							
	COLLECTION							
	Total Brought from Page No.		-3/8/1-					
			-3/8/2-					
			- 1- 1-					
			-3/8/3-					
			2/0/4					
			-3/8/4-					
	Carried to Summar	v	KSHS					
		1						
		_1		1				

Item	Description	Units	Quantity	Rate	Amount
No.					
	SECTION 3				
	BUILDER'S WORKS				
	BOILDEN & WORKS				
	BILL NO. 9				
	ELECTRICAL INSTALLATIONS				
Α	Provide for electrical installations a Prime Cost sum of Kshs				
	Seven hundred thousand only for mains panel, distribution				
	circuiting and conductors		item		700,000
			item		700,000
В	General attendance on specialist installing mains				
	switchboard distribution circuiting and conductors		item		
	· ·				
	Lighting ponts wired in; 3 x 1c x 1.5mm ² core copper cable				
	and 20mm diameter upvc conduit; bends etc,				
С	One way switching	NO	138		
D	Ditto but 2-way swtiched	NO	18		
	5A lighting switches ivory type as MK or approved				
_	equivalent 1 gang 1 way	NO	24		
Е	gang i way	INO	24		
F	2 gang 1 way	NO	18		
'	2 84.8 2 114,	''	10		
G	1 gang 2way	NO	8		
Н	2 gang 1 way	NO	6		
- 1	Intermediate switch	NO	0		
	Complete Lighting fittings in appropriate rated lamps as; -				
J	1200mm,36W single bare batten fluorescent tubes as thorn				
	рр В6	NO	10		
K	Ball fitting complete with bulb	NO	36		
١.	600V600mm LED fitting complete as a server and	NO .	25		
L	600X600mm LED fitting complete as approved	NO	25		
М	450mm diameter round LED fitting complete	NO	85		
171	isoniiii didineter rodna LLD ntting complete		0.5		
	Carried to Collection				

Item	Description	Units		Rate	Amount
No.	Description		Quantity	nate	Amount
А	Power points wired in 3 x 1c x 2.5mm ² copper cable (Ring)and upvc conduit; bends etc, Twin outlet	NO	56		
В	13 A switched socket outlet plates as ivory type as MK or approved equivalent Twin outlet	NO	56		
С	Power points wired in 3 x 1c x 2.5mm² copper cable and upvc conduit; bends etc c/w instant showers DP switch for the above item	NO	6		
D	The following MCCBs as Crabtree or approved equivalent;- 10A	NO	16		
E	20 A	NO	12		
F	32 A	NO	12		
G	10 way TPN 125A Consumer unit as Havells original or equivalent	NO	4		
Н	Earthing system		SUM		
	Carried to Collection			KSHS	

	·	TOT TRANSINZOIA.			
Item No.	Description	Units	Quantity	Rate	Amount
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 9 ELECTRICAL				
	COLLECTION Total Brought from Page No.		-3/9/1-		
	Total Broagne from Lage No.		-3/9/2-		
	Carried to Summary		KSHS		
	Carried to Sullillary		KJIIJ		

Item No.	Description	Units	Quantity	Rate	Amount
	SECTION 3 BUILDER'S WORKS				
	BILL NO. 10 MECHANICAL :PLUMBING AND DRAINAGE WORKS				
А	Allow a provisional sum of KSHS 100,000.00 (One hundred thousand shillings) for a three (3) cubic meter capacity roof ceiling secondary water storage tank on well boarded bearer and platform as designed including all associated plumbing works		item		100,000
В	CLEAN AND WASTE WATER RETICULATION Provide for general reticulation a Prime Cost sum of Kshs 500,000.00 (Three hundred thousand shillings) only on installing water distribution, sewarage and soil drainage systems complete.		item		500,000
	FIRE PROTECTION				
С	Provide for general fire protection / safety system a Prime Cost sum of Kshs 500,000.00 (Five hundred thousand shillings) only intallation and equiping the systems.		item		500,000
D	SANITARY FITTINGS Supply and fix Twyfords with pedestal or equivalent oval advert wash hand basin white coloured complete with self timer3/4 push taps as cobra or equivalent, bottle trap, flex tube and all necessary sockets.	NO	10		
Е	Supply and fix Twyfords or equivalent high level Water Closet pan- complete with the Cistern, flush pipe, heavy duty handle, syphon box, toilet seat & cover, ball valve fittings	NO	12		
F	Supply and fix Twyfords or equivalent Bowl Urinal complete with cistern (1 person) and spurge pipe white coloured.	NO	2		
G	Supply and fix Disabled suite complete with all necessary Grab railings as appropriate.	NO	0		
	Carried to Summary			Kshs.	

Item No.	Description	Units	Quantity	Rate	Amount
А	Supply and fix 600x450x4mm wall mirror.	NO	10		
В	Supply and fix JUMBO tisue dispenser.	NO	10		
С	Supply and fix soap dispenser as velvex clear @ 1 ltr.	NO	10		
D	3 tier anodised silver multi track hat/coat hook as union or equivalent	NO	22		
	Carried to Summary			Kshs.	

Item No.	Description	Units	Quantity	Rate	Amount
	SECTION NO. 3 - BUILDER'S WORKS				
	BILL NO. 10 MECHANICAL PLUMBING				
	COLLECTION Total Brought from Page No.		-3/10/1-		
			-3/10/2-		
	Carried to Summary		KSHS		-

Item	Description	Units	Quantity	Rate	Amount
No.	SECTION 3 BUILDER'S WORKS BILL NO. 11 EXTERNAL WORKS Concrete block paving (as manufactured by Bamburi special products Ltd or equal and approved) Heavy duty loading blocks size 210x105x80mm, (minimum strength 60N per square mm) laid on repaired road base and including 40mm quarry dust bed and compacted by surface vibration and including all associated accessories as necessary. Allow a provisional sum of KSHS 2,000,000.00 (Two million shillings) only		item		2,000,000
	Carried to Summary			Kshs.	2,000,000

Bill	Description	PAGE	NO.	Amount
No.	· ·			
	SECTION 3 BUILDER'S WORKS			
	SECTION SUMARY			
1	SUB-STRUCTURES		-3/1/6-	
2	REINFORCED CONCRETE SUPERSTRUCTURE		-3/2/3-	
3	ROOFING AND RAIN WATER DISPOSAL		-3/3/3-	
4	WALLING AND PARTITIONS		-3/4/2-	
5	STAIRCASE AND STEPS		-3/5/4-	
6	DOORS		-3/6/4-	
7	WINDOWS AND CURTAIN WALLING		-3/7/4-	
8	FINISHES		-3/8/3-	
9	ELECTRICAL INSTALLATIONS		-3/9/3-	
10	PLUMBING		-3/10/3-	
11	EXTERNAL WORKS		-3/11/1-	2,000,000
	Carried to Main Summary			

MAIN SUMMARY								
	Section name	AMOUNT						
1	Preliminaries							
2	Main House							
3	Allow a Contigency sum of KSHS 2,000,000.00 (Two million shillings only) to be expended by the project manager vide site Instructions.	2,000,000.00						
4	Allow project management sum of KSHS 1,000,000.00 (One million shillings only) to be expended by the project management team.	1,000,000.00						
	TOTAL AMOUNT CARRIED TO FORM OF TENDER							
	CONTRACTOR: NAME							
	(Sign and Stamp)							
	DATE							
	CLIENT / EMPLOYER:							
	(Sign and Stamp)							
	DATE							