

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
GIMARIANI PRIMARY SCHOOL CONSTR. OF 8NO. TUITION					
	ELEMENT NO.1				
	SUBSTRUCTURES				
	ALL PROVISIONAL				
	NOTE: All work measured under this element is upto and including the floorslab but excluding the finishes thereon:-				
		COUNTY WORKS OFFICER (MOPW) VIHIGA DISTRICT P. O. Box 1460 - 50300, MARAGOLI Sign: _____			
A	Clear the site of all bush scrub undergrowth and small trees grub up roots and cart away or burn all arising	822	SM		
B	Excavate oversite average 250mm deep to remove vegetable soil load up wheel and cart away.	206	CM		
C	Excavate for strip foundation trenches occuring not exceeding 1.5metres deep commencing from reduced level	225	CM		
D	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.		ITEM		
E	Allow for planking and strutting to sides of excavations		ITEM		
	Disposal				
F	Load surplus excavated material and cart away from site	206	CM		
Carried to collection					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	Filling				
A	Return fill in and ram selected excavated hard materials around foundations and rammed	118	CM		
	Hardcore as described				
B	Approved hardcore filling including levelling consolidating and/or hand packing on in layers of hardcore and murrum fully compacted to 95% MDD blinding(m.s)	822	CM		
	Blinding				
C	50mm Thick layer murrum or other equal and approved blinding to the surface of hardcore;rolled smooth to receive polythene sheeting(m.s)	822	SM		
	Insecticide treatment				
D	'TERMIDOR" or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	822	SM		
	Damp proof membrane				
E	500 Gauge polythene or other equal and approved plastic sheet damp proof membrane laid over blinding(measured nett - allow for laps)	822	SM		
Carried to collection					

COUNTY WORKS OFFICER (MOPW)
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ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	In-situ concrete work				
	Mass concrete (1:4:8/38-38mm aggregate)				
A	50mm Thick blinding under foundations	150	SM		
	Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:				
B	Strip foundations	29	CM		
C	Allow for fixing and installation of a 300mm x 200mm ground beam to secure the foundation from irregular settlement due to water logged conditions.	15	CM		
D	100mm Thick floor slab	822	SM		
	Steel reinforcement				
	Supply and fix bar/rod reinforcement including bending hooks tyingwire cutting spacers and supporting all in position as described.				
	High tensile square twisted bars to B.S.4461				
E	12mm diameter	847	KG.		
F	10 mm diameter	631	KG.		
G	8 mm diameter	486	KG.		
	Mesh reinforcement				
H	Fabric mesh reinforcement to B.S. 4483 ref: A65 including laps tyingwire and spacer blocks complete(measured nett-allow for laps)	822	SM		
	Sawn formwork as described to:				
I	Vertical sides of foundations	299	SM		
J	Edges of floor slab 75-150mm high	181	LM		
				<i>Carried to collection</i>	

COUNTY WORKS OFFICER (MOPW)
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ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	Foundation walling				
A	200mm Thick Natural Stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron in every alternate course	299	SM		
B.	Extra over external walling for attached piers size 400 x 200 x 1000mm high in natural coursed stone walling as before described	52	NO		
C	Provide 1" styrofoam material to expansion joint respectively 5300mm x 10000mm sized	10	LM		
	Plinth area finishes				
D	12mm Thick cement and sand (1:3) wood float render to plinth area	82	SM		
E	Prepare and apply three coats black bitumastic paint to rendered area	82	SM		
Carried to collection					

COUNTY WORKS OFFICER (MOPW)
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COLLECTION			
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TOTAL FOR ELEMENT NO. 1 SUBSTRUCTURES CARRIED TO SUMMARY			

GPS/ 4

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO.2				
	R.C. FRAME & STEEL FRAMES				
	Vibrated reinforced concrete (1: 2:4/20 - 20mm aggregate) as described in:-				
A.	Ringbeam/beams	15	CM		
	Steel reinforcement				
	Supply and fix steel bar/rod reinforcement including bending hooks tyingwire cutting spacer blocks and supporting all in position				
	High tensile square twisted bars to B.S. 4461 as described in ;				
B	12 mm diameter	847	KG.		
C	8 mm diameter	627	KG.		
	Sawn formwork as described to:				
D.	Sides and soffites of beams	284	SM		
Carried to collection					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
A.	100 x 50 x 6mm Thick mild steel angles welded to plates	19	NO		
	Painting				
B.	Prepare and apply one coat of red oxide primer before transporting to site and another on site to general surfaces of steel columns surfaces including preparing and applying two coats gloss oil paint	19	NO		
Carried to collection					

COLLECTION		
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TOTAL FOR ELEMENT NO. 2 R.C. FRAME/STEEL FRAME CARRIED TO SUMMARY		

GPS/ 6


ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO. 3				
	EXTERNAL WALLING				
	Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:-				
A.	200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course	830	SM		
B.	Extra over external walling for attached stone piers size 400 x 200 x 2800mm high in natural coursed stone walling as before described	46	NO		
C.	Extra over walling for eaves & gable closing	237	LM		
	Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)				
D.	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	237	LM		

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VIHIGA DISTRICT
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Carried to collection below

COLLECTION		
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TOTAL FOR ELEMENT NO.3		
EXTERNAL WALLING		
CARRIED TO SUMMARY		

GPS/ 7

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO. 4				
	INTERNAL WALLING				
	Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:-				
A.	200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course	209	SM		
	Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)				
B.	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	60	LM		
					
<i>Carried to collection below</i>					

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TOTAL FOR ELEMENT NO.4			
INTERNAL WALLING			
CARRIED TO SUMMARY			

GPS/ 8

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
PROPOSED CONSTRUCTION OF 8NO. CLASSROOMS					
ELEMENT NO.1					
ROOFING					
Construction					
All timber to be sawn cypress of G.S. grade seasoned to an equilibrium moisture content of between 9% and 15% and to the requirement of K.S. 02 771 of 1991 treated with approved wood preservative					
A.	100 x 50mm Wall plate on and including 10mm cement and sand (1:4) mortar bed secured to reinforced concrete rinabeam(m.s.) by black mild steel anchor bolts (m.s.)	237	LM		
The following in 16 No. Nailed timber trusses spanning clear 5200mm (average) height 1350mm including hoisting and placing 3000mm above floor slab level					
B.	100 x 50mm Trussed rafter	1031	LM		
C.	100 x 50mm Tie beam	920	LM		
D.	100 x 50mm Strut/tie	1840	LM		
Carried to collection					

COUNTY WORKS OFFICER (MOPW)
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ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	Independent members				
A	75x 50mm purlins	1344	LM		
	Covering				
B	Gauge 30"GCI" Pre-painted sheet roofing fixed on purlins(m.s.)	1344	SM		
C	Gauge 30 Ridge capping to match covering	112	LM		
D	Ditto but valleys matching covering. Wrot cypress	12	LM		
E	25 x 225mm Fascia board fixed to end of rafters(m.s)	244	LM		
	Painting				
	Prime only back of wood before fixing				
F	Surfaces 100-200mm girth	186	LM		
	Knot prime stop and apply one under coat and two finishing coats gloss oil paint to;				
G	General surfaces of wood 200 - 300mm girth	186	LM		

Carried to collection

COUNTY WORKS OFFICER (MOPW)
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GPS/ 10


	COLLECTION	
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	TOTAL FOR ELEMENT NO.5	
	ROOFING AND RAINWATER WATER GOODS	
	CARRIED TO SUMMARY	

GPS/ 11

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO. 6				
	WINDOWS				
	Supply and fix the following purpose made welded mild steel casement windows comprising of one inch z section framing, T sections				
A.	Window overall size 2500mmx1200mm high	40	NO		
	Glazing				
	5mm thick clear sheet glass in metal putty in;-				
B	Panes exceeding 0.1 sq m but not exceeding 1.5	120	SM		
	Window Cill				
C	Ex. 250 x 75mm Thick precast concrete window cill weathered and throated, reinforced as necessary , finished fair faced including hoisting and bedding in cement and sand (1:3) mortar	76	LM		
Carried to collection					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<p>Painting</p> <p>Prepare and apply one under coat and two finishing gloss oil paint to ;</p> <p>A. General surfaces of metal (windows) internally</p> <p>B General surfaces of metal (windows) externally</p>	<p>89</p> <p>81</p>	<p>SM</p> <p>SM</p>		
<i>Carried to collection</i>					
COLLECTION					
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<p>TOTAL FOR ELEMENT NO.6 WINDOWS CARRIED TO SUMMARY</p>					


GPS/ 13

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO.7				
	DOORS				
	Metal doors				
A.	900mm wide x 2400mm high overall mild steel	8	NO.		
	Painting				
B	General surfaces of Metal	35	SM		
					
<i>Carried to collection</i>					

COLLECTION					
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	TOTAL FOR ELEMENT NO. 7				
	DOORS				
	CARRIED TO SUMMARY				

GPS/ 14

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO. 8				
	FINISHES				
	Floors and Skirtings				
	Insitu cement and sand (1:3) screeded beds, with steel trowelled finish , on concrete				
A.	20mm Thick backing finished with a wood float steel trowelled smooth	1120	SM		
	EXTERNAL WALL FINISHES				
	External walls				
	12mm thick cement, sand render, with wood float finish, as described to:-				
B	Walls/Concrete surfaces of beams	844	SM		
	Painting and decorating				
	Prepare and apply one undercoats and two finishing coats exterior quality plastic emulsion paint on :-				
C	Rendered concrete surfaces	844	SM		
Carried to collection					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	INTERNAL WALL FINISHES				
	Internal walls				
	12mm thick cement, sand and lime plaster, with steel trowelled finish, as described to:-				
A.	Walls	1264	SM		
	Painting and decorating				
	Prepare and apply one undercoats and two finishing coats plastic emulsion paint on :-				
B.	Plastered walls and beams	1264	SM		
					
<i>Carried to collection</i>					
COLLECTION					
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TOTAL FOR ELEMENT NO. 8 FINISHES					
CARRIED TO SUMMARY					

SUMMARY		
NO.	ELEMENT	
1	SUBSTRUCTURE WORKS	GPS/4
2	RC FRAMES	GPS/6
3	EXTERNAL WALLING	GPS/7
4	INTERNAL WALLING	GPS/8
5	ROOFING	GPS/11
6	WINDOWS	GPS/13
7	DOORS	GPS/14
8	FINISHES	GPS/16
CARRIED TO GRAND SUMMARY		

GPS/17

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
PC AND PROVISIONAL SUMS					
A.	Allow a provisional sum of Kenya Shillings three hundred thousand only for Contingencies,		SUM		300,000.00
B	Allow a provisionanl sum of kenya shillings three hundred thousand shillings for project supervision and management		SUM		300,000.00
C	Allow a provisional sum of Kenya Shillings two hundred hundred and fifty Thousand (250,000.00) only for Electrical Works		SUM		250,000.00
COUNTY WORKS OFFICER (MOPW) VIHIGA DISTRICT P. O. Box 1460 - 50300, MARAGOLI Sign: _____ <i>Carried to collection</i>					850,000.00
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TOTAL FOR PC AND PROVISIONAL SUMS					850,000.00
CARRIED TO GRAND SUMMARY					

GRAND SUMMARY

ITEM	DESCRIPTION		
1	BUILDING WORKS	GPS	
2	PROVISIONAL SUMS	PS/1	
3	SUB-TOTAL 1		
4	ADD 16% VAT		
TOTAL FOR WORKS			

NAME OF TENDERER.....

ADDRESS.....

SIGNATURE.....

DATE.....

COUNTY WORKS OFFICER (MOPW)
VIHIGA DISTRICT
P. O. Box 1460 - 50300, MARAGOLI
Sign: _____

NAME OF WITNESS.....

ADDRESS.....

SIGNATURE.....

DATE.....