

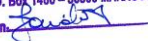
**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<u>PROPOSED CONSTRUCTION OF 8 CLASSES ONE STORIED</u>				
	ELEMENT NO.1				
	SUBSTRUCTURES				
	ALL PROVISIONAL				
	NOTE; All work measured under this element is upto and including the floorslab but excluding the finishes thereon:-				
A	Clear the site of all bush scrub undergrowth and small trees grub up roots and cart away or burn all arising	552	SM	100	55,200.00
B	Excavate oversite average 150mm deep to remove vegetable soil load up wheel and cart away.	552	SM	150	82,800.00
C	Excavate for strip foundation trenches occuring not exceeding 1.5metres deep commencing from reduced level	192	CM	300	57,600.00
D	Ditto but for column	14	CM	350	4,900.00
E	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.		ITEM		10,000.00
F	Allow for planking and strutting to sides of excavations		ITEM		10,000.00
	Disposal				
G.	Load surplus excavated material and cart away from site	32	CM	300	9,600.00
Carried to collection					230,100.00

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VIHIGA DISTRICT
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**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	Filling				
A	Return fill in and ram selected excavated material around foundations.	174	CM	350	60,900.00
	Hardcore as described				
B	Approved hardcore filling including levelling consolidating and/or hand packing on blinding(m.s)	552	SM	350	193,200.00
	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)	552	SM	250	138,000.00
	Insecticide treatment				
D	'TERMIDOR" or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	552	SM	200	110,400.00
	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)	552	SM	250	138,000.00
Carried to collection					640,500.00

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**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	In-situ concrete work				
	Mass concrete (1:4:8/38-38mm aggregate)				
A	50mm Thick blinding under foundations	20	CM	7000	140,000.00
B	50 mm thick blinding under column bases	4	CM	7000	28,000.00
	Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:				
C	Strip foundations	28	CM	10,000	280,000.00
D	Column bases and columns	16	CM	10,000	160,000.00
E	150mm Thick floor slab	552	SM	800	441,600.00
	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				
F	8 mm diameter	500	KG.	150	75,000.00
G	10 mm diameter	800	KG.	150	120,000.00
	Mesh reinforcement				
H	Fabric mesh reinforcement to B.S. 4483 ref: A142 including laps tyingwire and spacer blocks complete(measured nett-allow for laps)	552	SM	350	193,200.00
	Sawn formwork as described to:				
I	Vertical sides of foundations	74	SM	400	29,600.00
J	Edges of floor slab 75-150mm high	74	LM	350	25,900.00
K	Sides of columns	34	SM	400	13,600.00
Carried to collection					1,506,900.00

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**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
A	Foundation walling 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	296	SM	1200	355,200.00
	Plinth area finishes				
B.	12mm Thick cement and sand (1:3) wood float render to plinth area	132	SM	250	33,000.00
C.	Prepare and apply three coats black bitumastic paint to rendered area	132	SM	200	26,400.00
Carried to collection					414,600.00

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COLLECTION			
Brought forward from page	EHS/ 1		230,100.00
Brought forward from page	EHS/ 2		640,500.00
Brought forward from page	EHS/ 3		1,506,900.00
Brought down from page	EHS/ 4		414,600.00
TOTAL FOR ELEMENT NO. 1 SUBSTRUCTURES CARRIED TO SUMMARY			2,792,100.00

**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**


ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
A.	Hand Rail To Sides of Balcony and Stair Case area 150mm diameter mild steel welded ballustades in stair case .	90	LM	1000	90,000.00
B	150mm diameter Round Stanchion casted on slab	66	LM	1000	66,000.00
C	2"Square tube welded on 150mm stanchion	150	LM	600	90,000.00
Painting					
D	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	306	LM	200	61,200.00
Carried to collection					307,200.00

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	Brought forward from page	EHS/ 5	3,337,650.00
	Brought down from page	EHS/ 6 ABOVE	307,200.00
TOTAL FOR ELEMENT NO. 2 R.C. FRAME/STEEL FRAME CARRIED TO SUMMARY			3,644,850.00

PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL


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	810	SM	1000	810,000.00
B	Extra over walling for eaves closing	95	LM	300	28,500.00
	Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)				
C	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	300	LM	200	60,000.00
Carried to collection below					898,500.00

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COLLECTION				
	Brought down from page	EHS/ 7	Above	898,500.00
	TOTAL FOR ELEMENT NO.3 EXTERNAL WALLING CARRIED TO SUMMARY			898,500.00

EHS/ 7

PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL

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	510	SM	1000	510,000.00
	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	150	LM	200	30,000.00
 COUNTY WORKS OFFICER (MUPW) VIHIGA DISTRICT P. O. Box 1460 - 50300 MARAGOLI Sign: <i>[Signature]</i>					540,000.00
Carried to collection below					

COLLECTION					
Brought down from page				EHS/ 8	Above
					540,000.00
TOTAL FOR ELEMENT NO.4					540,000.00
INTERNAL WALLING					
CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO. 5				
	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 by black mild steel anchor bolts (m.s.)	74	LM	300	22,200.00
	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	414	LM	300	124,200.00
C.	100 x 50mm Tie beam	230	LM	300	69,000.00
D.	100 x 50mm Strut/tie	644	LM	300	193,200.00
		Carried to collection			408,600.00

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**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	Independent members				
A	75x 50mm purlins	504	LM	250	126,000.00
	Covering				
B	Gauge 30"GCI" box profile sheet roofing fixed on purlins(m.s.)	680	SM	1300	884,000.00
C	Gauge 30g Ridge capping to match covering	45	LM	250	11,250.00
	Wrot cypress				
D	25 x 225mm Fascia board fixed to end of rafters(m.s)	140	LM	300	42,000.00
E	25 x 225mm Barge board fixed to end of battens	26	LM	300	7,800.00
F	Supply and fix 100mm x 50mm ceiling battens to soffits of the tie beams to receive ceiling	1200	LM	250	300,000.00
G	Supply and fix 6mm thick chip soft board flowered ceiling to soffits of battens	274	SM	1000	274,000.00
G	Supply and fix wooden conices to edges of chip soft board ceiling.	350	LM	150	52,500.00
	Painting				
	Prime only back of wood before fixing				
H	Surfaces 100-200mm girth	274	LM	200	54,800.00
	Knot prime stop and apply one under coat and two finishing coats gloss oil paint to;				
I	General surfaces of wood 200 - 300mm girth and ceiling	300	SM	200	60,000.00
Carried to collection					1,812,350.00

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**PROPOSED CONSTRUCTION
 OF 8NO. CLASSROOM 1-FLOOR
 STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

	COLLECTION	
	Brought forward from page	EHS/ 9
	Brought forward from page	EHS/ 10
	TOTAL FOR ELEMENT NO.5 ROOFING AND RAINWATER WATER GOODS CARRIED TO SUMMARY	2,220,950.00

EHS/ 11

PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL

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 2000mmx1200mm high	44	NO	6000	264,000.00
	Glazing				
	5mm thick clear sheet glass in metal putty in;-				
B	Panes exceeding 0.1 sq m but not exceeding 1.50	106	SM	1200	127,200.00
	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	97	LM	300	29,100.00
Carried to collection					420,300.00

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**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	Painting				
	Prepare and apply one under coat and two finishing gloss oil paint to ;				
A.	General surfaces of metal (windows) internally	113	SM	200	22,600.00
B	General surfaces of metal (windows) externally	113	SM	200	22,600.00
Carried to collection					45,200.00

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	COLLECTION				
	Brought forward from page	EHS/ 12			420,300.00
	Brought Down from page	EHS/ 13	Above		45,200.00
	TOTAL FOR ELEMENT NO.6 WINDOWS CARRIED TO SUMMARY				465,500.00

EHS/ 13

**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO.7				
	DOORS				
	Metal doors				
A.	900mm wide x 2400mm high overall mild steel doors with side lights	8	NO.	14,000	112,000.00
B	900mm wide x 2100mm high solid core flush doors with union mortice locks complete	2	NO.	7000	14,000.00
	Painting to:				
C	General surfaces of Metal	24	SM	200	4,800.00
D	General surfaces of wood	8	SM	200	1,600.00
	Carried to collection				132,400.00

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	COLLECTION			
	Brought down from page	EHS/ 14	Above	132,400.00
	TOTAL FOR ELEMENT NO. 7 DOORS CARRIED TO SUMMARY			132,400.00

**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	ELEMENT NO. 8				
	FINISHES				
	Floors and Skirtings				
	In situ cement and sand (1:3) screeded beds, with steel trowelled finish , on concrete				
A.	20mm Thick backing finished with a wood float steel trowelled rough to receive terrazzo finish.	1104	SM	300	331,200.00
B	12mm thick terrazzo floor finish to the entire floor area trowelled, stripped and rammed to standard	1104	SM	1800	1,987,200.00
C	Ditto 12mm thick terrazzo floor finish including finish on skirting.	300	LM	550	165,000.00
	EXTERNAL WALL FINISHES				
	External walls				
	12mm thick cement, sand render, with wood float finish, as described to:-				
D	Walls/Concrete surfaces of beams	650	SM	300	195,000.00
	Painting and decorating				
	Prepare and apply one undercoats and two finishing coats exterior quality plastic emulsion paint on :-				
E	Rendered concrete surfaces	150	SM	300	45,000.00
Carried to collection					2,723,400.00

COUNTY WORKS OFFICER (MOPW)
VIHIGA DISTRICT
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PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL

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	1410	SM	300	423,000.00
	Painting and decorating				
	Prepare and apply one undercoats and two finishing coats plastic emulsion paint on :-				
B.	Plastered walls and beams	910	SM	200	182,000.00


COUNTY WORKS OFFICER (MUPW)
VIHIGA DISTRICT
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Carried to collection

605,000.00

COLLECTION			
Brought forward from page	EHS/ 15		2,723,400.00
Brought down from page	EHS/ 16		605,000.00
TOTAL FOR ELEMENT NO. 8 FINISHES			3,328,400.00
CARRIED TO SUMMARY			

PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL

NO.	SUMMARY ELEMENT		
1	SUBSTRUCTURES	EHS/ 4	2,792,100.00
2	R.C. FRAME	EHS/ 6	3,644,850.00
3	EXTERNAL WALLING	EHS/ 7	898,500.00
4	INTERNAL WALLING	EHS/ 8	540,000.00
5	ROOFING	EHS/ 11	2,220,950.00
6	WINDOWS	EHS/ 13	465,500.00
7	DOORS	EHS/ 14	132,400.00
8	FINISHES	EHS/ 16	3,328,400.00
	CARRIED TO GRAND SUMMARY	<small>COUNTY WORKS OFFICER (MOPW) VIHIGA DISTRICT P. O. Box 1460 - 50300 MARAGOLI</small> Sign: 	14,022,700.00

EHS/ 17

**PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
PC AND PROVISIONAL SUMS					
A.	Allow a provisional sum of Kenya Shillings Two Hundred thousand only (200,000.00) for Contingencies(One hundred and fifty for plan approval 150,000.000)				
			SUM		350,000.00
B	Allow a provisional sum of Kenya Shillings Two hundred and fifty thousand(250,000.00)for electrical Works				
			SUM		250,000.00
C	Allow a provisional sum of Kenya Shillings four hundred and fifty thousand(450,000.00)for project supervision.				
			SUM		450,000.00
D	Allow a pc sum of ksh five hundred thousand for administration cost				
			SUM		500,000.00
Carried to collection					1,550,000.00

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	Brought Down from Page No. PC/ 1 Above	1,550,000.00
	TOTAL FOR PC AND PROVISIONAL SUMS	1,550,000.00
	CARRIED TO GRAND SUMMARY	

PROPOSED CONSTRUCTION
OF 8NO. CLASSROOM 1-FLOOR
STOREYED TUITION BLOCK-EBUKANGA PRI. SCHOOL

PS/ 1

GRAND SUMMARY

ITEM	DESCRIPTION		
1	BUILDING WORKS	EHS/1	14,022,700.00
2	PROVISIONAL SUMS	PS/1	1,550,000.00
	SUB-TOTAL		15,572,700.00
	ADD 16%VAT		2,491,632.00
	TOTAL FOR WORKS		18,064,332.00

COUNTY WORKS OFFICER (MUPW)
VIHIGA DISTRICT
P. O. Box 1460 - 60300 MARAGOLI
Sign:

AMOUNT IN WORDS.....

ADDRESS.....

SIGNATURE.....

DATE.....

NAME OF WITNESS.....

ADDRESS.....

SIGNATURE.....

DATE.....