

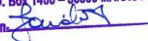
**PROPOSED CONSTRUCTION  
OF 8NO. CLASSROOM 1-FLOOR  
STOREYED TUITION BLOCK-EMANYINYA PRI. SCHOOL**

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

COUNTY WORKS OFFICER (MOPW)  
VIHIGA DISTRICT  
P. O. Box 1460 - 50300 MARAGOLI  
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**PROPOSED CONSTRUCTION  
OF 8NO. CLASSROOM 1-FLOOR  
STOREYED TUITION BLOCK-EMANYINYA PRI. SCHOOL**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>Filling</b>				
A	Return fill in and ram selected excavated material around foundations.	174	CM	350	60,900.00
	<b>Hardcore as described</b>				
B	Approved hardcore filling including levelling consolidating and/or hand packing on blinding(m.s)	552	SM	350	193,200.00
	<b>Blinding</b>				
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
	<b>Insecticide treatment</b>				
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
	<b>Damp proof membrane</b>				
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
<b>Carried to collection</b>					<b>640,500.00</b>

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

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

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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
<b>TOTAL FOR ELEMENT NO. 1 SUBSTRUCTURES CARRIED TO SUMMARY</b>			<b>2,792,100.00</b>



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

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

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

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

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 3</b>				
	<b>EXTERNAL WALLING</b>				
	<b>Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:-</b>				
<b>A.</b>	200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course	810	SM	1000	810,000.00
<b>B</b>	Extra over walling for eaves closing	95	LM	300	28,500.00
	<b>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</b>				
<b>C</b>	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	300	LM	200	60,000.00
<i>Carried to collection below</i>					<b>898,500.00</b>

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

EHS/ 7

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

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 4</b>				
	<b>INTERNAL WALLING</b>				
	<b>Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:-</b>				
<b>A.</b>	200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course	510	SM	1000	510,000.00
	<b>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</b>				
<b>B.</b>	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	150	LM	200	30,000.00
	<i>Carried to collection below</i>				<b>540,000.00</b>

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



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

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 5</b>				
	<b>ROOFING</b>				
	<b>Construction</b>				
	<b>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</b>				
<b>A.</b>	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
	<b>The following in 16 No. Nailed timber trusses spanning clear 5200mm (average) height 1350mm including hoisting and placing 3000mm above floor slab level</b>				
<b>B.</b>	100 x 50mm Trussed rafter	414	LM	300	124,200.00
<b>C.</b>	100 x 50mm Tie beam	230	LM	300	69,000.00
<b>D.</b>	100 x 50mm Strut/tie	644	LM	300	193,200.00
		<b>Carried to collection</b>			<b>408,600.00</b>

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

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>Independent members</b>				
A	75x 50mm purlins	504	LM	250	126,000.00
	<b>Covering</b>				
B	<b>Gauge 30"GCI" box profile</b> sheet roofing fixed on purlins(m.s.)	680	SM	1300	884,000.00
C	<b>Gauge 30g</b> Ridge capping to match covering	45	LM	250	11,250.00
	<b>Wrot cypress</b>				
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
	<b>Painting</b>				
	<b>Prime only back of wood before fixing</b>				
H	Surfaces 100-200mm girth	274	LM	200	54,800.00
	<b>Knot prime stop and apply one under coat and two finishing coats gloss oil paint to;</b>				
I	General surfaces of wood 200 - 300mm girth and ceiling	300	SM	200	60,000.00
<b>Carried to collection</b>					<b>1,812,350.00</b>

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

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

EHS/ 11

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

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 6</b>				
	<b>WINDOWS</b>				
	<b>Supply and fix the following purpose made welded mild steel casement windows comprising of one inch z section framing, T sections</b>				
<b>A.</b>	Window overall size 2000mmx1200mm high	44	NO	6000	264,000.00
	<b>Glazing</b>				
	<b>5mm thick clear sheet glass in metal putty in;-</b>				
<b>B</b>	Panes exceeding 0.1 sq m but not exceeding 1.50	106	SM	1200	127,200.00
	<b>Window Cill</b>				
<b>C</b>	<b>Ex. 250 x 75mm</b> 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
<b>Carried to collection</b>					<b>420,300.00</b>

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

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

COUNTY WORKS OFFICER (MUPW)  
VIHIGA DISTRICT  
P. O. Box 1480 - 80300 MARAGOLI  
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<b>COLLECTION</b>					
	<b>Brought forward from page</b>	<b>EHS/ 12</b>			<b>420,300.00</b>
	<b>Brought Down from page</b>	<b>EHS/ 13</b>	<b>Above</b>		<b>45,200.00</b>
<b>TOTAL FOR ELEMENT NO.6 WINDOWS CARRIED TO SUMMARY</b>					<b>465,500.00</b>

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

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

COUNTY WORKS OFFICER (MOPW)  
VIHIGA DISTRICT  
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	<b>COLLECTION</b>			
	<b>Brought down from page</b>	<b>EHS/ 14</b>	<b>Above</b>	<b>132,400.00</b>
	<b>TOTAL FOR ELEMENT NO. 7 DOORS CARRIED TO SUMMARY</b>			<b>132,400.00</b>

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

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 8</b>				
	<b>FINISHES</b>				
	<b>Floors and Skirtings</b>				
	<b>In situ cement and sand (1:3) screeded beds, with steel trowelled finish , on concrete</b>				
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
	<b>EXTERNAL WALL FINISHES</b>				
	<b>External walls</b>				
	<b>12mm thick cement, sand render, with wood float finish, as described to:-</b>				
D	Walls/Concrete surfaces of beams	650	SM	300	195,000.00
	<b>Painting and decorating</b>				
	<b>Prepare and apply one undercoats and two finishing coats exterior quality plastic emulsion paint on :-</b>				
E	Rendered concrete surfaces	150	SM	300	45,000.00
<b>Carried to collection</b>					2,723,400.00

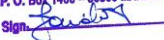
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VIHIGA DISTRICT  
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PROPOSED CONSTRUCTION  
OF 8NO. CLASSROOM 1-FLOOR  
STOREYED TUITION BLOCK-EMANYINYA PRI. SCHOOL

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>INTERNAL WALL FINISHES</b>				
	<b>Internal walls</b>				
	<b>12mm thick cement, sand and lime plaster, with steel trowelled finish, as described to:-</b>				
A.	Walls	1410	SM	300	423,000.00
	<b>Painting and decorating</b>				
	Prepare and apply one undercoats and two finishing coats plastic emulsion paint on :-				
B.	Plastered walls and beams	910	SM	200	182,000.00

**Carried to collection**

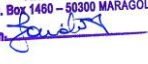
**605,000.00**

COUNTY WORKS OFFICER (MUPW)  
VIHIGA DISTRICT  
P. O. Box 1480 - 50300 MARAGOLI  
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COLLECTION			
Brought forward from page	EHS/ 15		2,723,400.00
Brought down from page	EHS/ 16		605,000.00
<b>TOTAL FOR ELEMENT NO. 8 FINISHES</b>			<b>3,328,400.00</b>
<b>CARRIED TO SUMMARY</b>			



PROPOSED CONSTRUCTION  
OF 8NO. CLASSROOM 1-FLOOR  
STOREYED TUITION BLOCK-EMANYINYA 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
	<b>CARRIED TO GRAND SUMMARY</b>	<small>COUNTY WORKS OFFICER (MOPW) VIHIGA DISTRICT P. O. Box 1460 - 50300 MARAGOLI</small> Sign: 	<b>14,022,700.00</b>

EHS/ 17



PROPOSED CONSTRUCTION  
OF 8NO. CLASSROOM 1-FLOOR  
STOREYED TUITION BLOCK-EMANYINYA 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
	<b>TOTAL FOR WORKS</b>		<b>18,064,332.00</b>

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.....