

REPUBLIC OF KENYA



COUNTY GOVERNMENT OF KAKAMEGA

**MINISTRY OF ROADS, INFRASTRUCTURE AND PUBLIC
WORKS & ENERGY**

BILLS OF QUANTITIES

FOR CONSTRUCTION OF 3NO CLASSROOMS

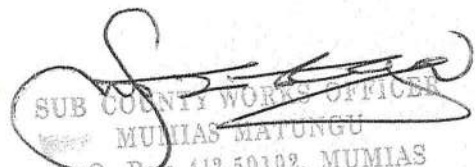
IN

MUMIAS WEST CONSTITUENCY.

TENDER DOCUMENTS

TENDER NO:.....


ISSUED BY:
SUB-COUNTY WORKS OFFICER
DEPARTMENT OF PUBLIC WORKS
BOX 412
MUMIAS.


SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
P. O. Box 412-50102, MUMIAS
Date:.....

JANUARY 2023

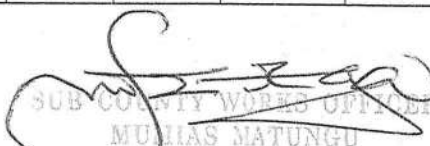
BILL NO. 1

MEASURED WORKS.


SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
P. O. Box 412-50102, MUMIAS

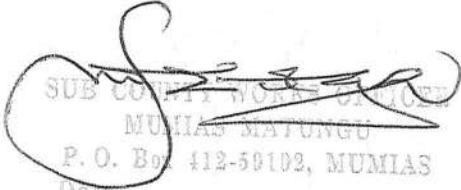
Date.....

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS/CTS
A	SUBSTRUCTURE (ALL PROVISIONAL) Bush clearance		ITEM		10,000.00
B	EXCAVATION Excavating vegetable soil for preservation, average 150mm thick	280	SM	10	2,800.00
C	Excavating surface to reduce level. Over 300mm deep	115	CM	100	11,500.00
D	Excavating Trenches; to receive foundations starting from reduced level Not exceeding 1.50m deep	112	CM	200	22,400.00
E	Breaking out existing material; extra over all kinds of excavations irrespective of depth Rock irrespective of class	3	CM	800	2,400.00
F	Disposal Excavated material: Backfilling depositing and compacting in layers maximum 150mm thick.	72	CM	150	10,800.00
G	Surplus excavated material: removing from site	152	CM	100	15,200.00
H	DISPOSAL OF WATER Labour and materials, keeping excavations free from general water		ITEM	1000	1000.00
J	Planking and strutting Labour and materials, to uphold sides of excavation generally		ITEM	1000	1000.00
K	FILLING Hardcore 300mm thick depositing and compacting layers maximum 150mm thick in making up levels	268	SM	400	107,200.00
L	Murram Blinding surface of fill 50mm thick	268	SM	150	40,200.00
M	ANTI-TERMITE AND HERBICIDE TREATMENT <u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly.</u> To surface of fill and tops of foundation walls	268	SM	90	24,120.00
	Carried to collection				248,620.00


 SUB-COUNTY WORKS OFFICER
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	Concrete Works Mass Concrete Class Q/40mm (1:3:6) – 40mm aggregate) as described in:-				
A	100mm thick floor slab.	268	SM	600	160,800.00
B	Strip Foundation	14	CM	8000	112,000.00
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				
C	Edges of floor bed 75 to 150 mm wide	103	LM	150	15,450.00
	<u>FOUNDATION WALLING</u>				
D	150mm thick approved concrete block walling including bedding and jointing in cement mortar (1:3) reinforced with hoop iron gauge 500 in every alternative course.	121	SM	1700	205,700.00
	<u>DAMP PROOF MEMBRANES</u>				
E	Polythene, 500 gauge, 150mm laps, no allowance made for laps. Horizontal, 1No. of layer (2)	268	SM	80	21,440.00
	<u>PLINTH FINISHES</u>				
F	Render, cement and sand (1:4) wood floated 12mm thick 2No. Coat work, to concrete or block work base (m/s) generally external.	47	SM	250	11,700.00
	<u>Painting 3 coats black bituminous paint to</u>				
G	Rendered surface externally	47	SM	200	9,400.00
	<u>PAVING SLABS</u>				
H	Precast Concrete; class 20/20 600x600x50mm thick slab laid on and including 50mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar V – joints	35	SM	900	31,500.00
	<u>REINFORCEMENT IN FOUNDATION</u>				
	High tensile steel bars cold worked: B.S 4461 including bends, hooks, tying wire, distance blocks and spacers				
J	8 mm diameter in any location	126	KG	180	22,680.00
K	10mm ditto.	379	KG	180	68,220.00
	Total Carried to Collection.....				658,890.00
	<u>COLLECTION</u>				
	Brought forward from page 1				248,620.00
	Brought forward from above				658,890.00
	Total for Substructures Carried to Summary				907,510.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	REINFORCED CONCRETE FRAME CONCRETE WORK <u>Vibrated Reinforced concrete Class 20/20mm</u>				
A	Beams	5	CM	10000	50,000.00
	REINFORCEMENT High tensile steel bars cold worked: B.S 4461 including bends, hooks, tying wire, distance blocks and spacers				
B	8mm diameter in any location	182	KG	180	32,760.00
C	12 mm ditto	350	KG	200	70,000.00
D	FORMWORK TO INSITU CONCRETE				
	Sides and soffits of beams	74	SM	400	29,600.00
Total Reinforcement Concrete carried to Summary					182,360.00


 SUB COUNTY WORKS OFFICE
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	WALLING				
	Concrete block walling, including bedding and jointing in cement sand mortar (1:3)				
A	Walls 150 mm thick reinforced with hoop iron gauge 500 in every alternate course	250	SM	1700	425,000.00
B	Form or leave 250mm x 250mm opening in 150mm walling for permanent ventilation (m.s)	18	NO	100	1,800.00
C	225mm x225mm precast concrete permanent vent with mosquito gauze laid in cement sand 1:3 mortar	36	NO	380	13,680.00
	DAMP PROOF COURSES				
	B.S 743 type A. bitumen hessian base 150mm laps, No. allowances made for laps				
D	200mm wide, bedded in cement mortar (1:3)	88	LM	90	7,920.00
E	100mm PVC vent pipe 190mm long complete with galvanized mosquito gauze on coffee tray wire built into wall	18	NO	80	1,440.00
	Total walling carried to Summary				449,850.00


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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	<u>ROOFING</u>				
	ROOF COVERING				
A	Gauge 30 pre-painted galvanized corrugated iron sheets fixed to purlins (m/s)	360	SM	900	324,000.00
B	Gauge 30 pre-painted ridge cap	28	LM	500	14,000.00
	<u>CARPENTRY</u>				
	<u>STRUCTURAL TIMBERS</u>				
	<u>Cypress, prime grade, pressure impregnated</u>				
C	75mm x 50mm purlin	450	LM	200	90,000.00
D	100 x 50mm wall plate bedded in cement: sand (1:3) mortar bolted to concrete with and including 16mm diameter bolts cast in concrete at 1000mm centres	56	LM	350	19,600.00
E	100 x 50mm Tie or strut	200	LM	350	70,000.00
F	100 x 50mm Rafters	210	LM	350	73,500.00
G	150 X 50mm tie beam	194	LM	430	83,420.00
H	150mm x 50mm support beam for the Verandah	30	LM	430	12,900.00
	<u>BOARDING</u>				
	<u>Wrought cypress, prime grade, pressure impregnated</u>				
J	225 x 25mm thick Fascia or barge boards	90	LM	450	40,500.00
	<u>PAINTING AND DECORATING</u>				
	<u>One undercoat two coats oil paint gloss finish to crown paints or equal and approved</u>				
K	General timbers board surface	60	SM	150	9,000.00
L	Ditto 200 to 300mm girth external	90	LM	45	4,050.00
	Total for Roofing Carried to Summary				740,970.00

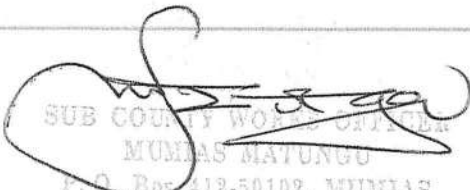

 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>WINDOWS AND DOORS</u> <u>Precast concrete, Normal, Class 20/20mm vibrated</u>				
A	Sills 1200 x 75, thick, once sunk weathered, once throated, reinforced as necessary for handling, bedding jointing and pointing in cement mortar (1:4)	23	LM	250	5,750.00
	<u>METAL WORK</u> <u>Purpose made units</u>				
	Standard casement side hang window with metal casement sections, permanent ventilators comprising T-bar gauze and metal hood to fill width of window, one coat primer by manufacturer, complete with all necessary ironmongery, steel for glazing with putty				
B	Overall size 1500 x 1800 mm high	15	NO	13500	202,500.00
	<u>STEEL DOOR</u>				
	Purpose made steel casement door of metal casement sections and frame with locking device fixed to approval				
C	Overall size 1200mm x 2400mm high.	3	NO	16000	50,400.00
D	Supply and fix 65mm diameter black pipe anchored in concrete and to hold under tie beam at the verandah.	28	LM	2000	56,000.00
	<u>GLAZING</u>				
E	4mm thick clear sheet glass and fixing to metal with putty 1.00 to 1.50 square meters	43	SM	1200	51,600.00
	<u>PAINTING AND DECORATING</u> <u>One Undercoat Two Coats Oil Paint Gloss Finish to Crown Paints or Equal and Approved</u>				
G	Metal window surface and door over 300mm girth internal	43	SM	250	10,750.00
H	Ditto over 300mm girth external	43	SM	250	10,750.00
J	Ditto over 250mm girth the surfaces of the pipes	28	LM	50	1,400.00
	Total for Windows and Doors Carried to Summary				381,150.00



 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>FLOOR, WALL AND CEILING FINISHES</u>				
	<u>FLOOR</u>				
A	32mm thick cement sand screed (1:4) backing to receive Terrazzo	263	SM	300	78,900.00
B	25mm thick terrazzo finishes finished smooth to the area inclusive of skirting	274	SM	2500	685,000.00
C	15mm thick two coat gauged plaster (1:1:6) to walls internally and verandah face	270	SM	250	67,500.00
D	Ditto to reveals and jams of openings	14	SM	250	3,500.00
E	15mm thick cement sand (1:4) rendering to walls externally	186	SM	250	46,500.00
	Render to brick piers	30	SM	250	7,500.00
F	<u>Prepare and apply two undercoats and one finishing coat plastic emulsion paint first quality to:-</u>				
G	Plastered walls internally	240	SM	250	60,000.00
H	Rendered walls externally	186	SM	250	46,500.00
I	Brick piers	30	SM	250	7,500.00
J	Ditto to reveal and jams	14	SM	250	3,500.00
	Ditto to ceiling surfaces	216	SM	250	54,000.00
K	<u>CEILINGS</u>				
L	9mm thick chipboard ceiling(excluding verandah)	216	SM	700	151,000.00
M	75 x 50mm Sawn cypress Brandering	386	LM	200	77,200.00
N	50 x 50mm Ditto	384	LM	180	69,120.00
P	100 x 25mm corved cornice	102	LM	130	13,260.00
	600 x 600mm trap door complete with wrot cypress timber frame	3	NO	1800	5,400.00
	Total for Finishes Carried to Summary				1,376,580.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	FITTINGS <u>The following in black board size 7000 x 1200mm (6No.)</u>				
A	12mm thick plaster (1:3) to walls	50	SM	250	12,500.00
B	Prepare and apply black board paint to wall	50	SM	200	10,000.00
C	50 x 25mm wrot cypress moulded beading around the black board plugged to wall	96	LM	90	4,320.00
	<u>The following in pin board 3No. size 1200 x 1200mm</u>				
D	9mm thick soft board	9	SM	500	4,500.00
E	50 x 25mm thick wrot cypress moulded beading plugged to wall	30	LM	130	3,900.00
F	Prepare and apply three coats gloss oil paint to wood surfaces not exceeding 100mm girth	48	LM	60	2,880.00
G	Prepare and apply plastic emulsion paint to soft board surfaces.	9	SM	180	1,620.00
	Total for Fittings Carried to Summary				39,720.00



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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>SUMMARY PAGE</u>				
	SUBSTRUCTURE				907,510.00
	REINFORCED CONCRETE FRAME				182,360.00
	WALLING				449,850.00
	ROOFING				740,970.00
	WINDOWS & DOORS				381,150.00
	FINISHES				1,376,580.00
	FITTINGS				39,720.00
	TOTAL BUILDING WORKS CARRIED TO GRAND SUMMARY				4,078,140.00


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P.O. Box 412-50102, MUMIAS
 Date.....

BILL NO. 2

P.C & PROVISIONAL SUMS


SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
P. O. Box 2-50102, MUMIAS
Date.....

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	PCS SUM				
A	Allow Kenya Shillings One Hundred Thousand only for electrical installation		SUM		100,000.00
B	Allow Kenya Shillings Twenty Thousand only for sign post, Project Branding and Labeling		SUM		20,000.00
C	Allow Kenya Shillings Twenty Thousand only for project documentation		SUM		20,000.00
D	Allow a provisional sum of Kenya Shillings Thirty Thousand only for plan approvals to the County Government		SUM		30,000.00
E	Allow a provisional sum of Kenya Shillings Four Hundred and Twelve Thousand, Five Hundred only for Supply of 75NO Lockers and 75NO Chairs as per the Engineers specifications		SUM		412,500.00
TOTAL CARRIED TO SUMMARY					582,500.00

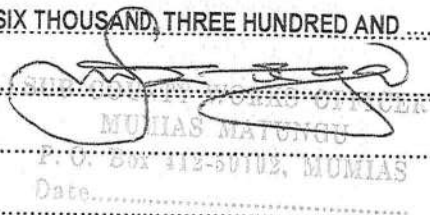

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 MUMIAS MATUNGU
 P.O. Box 412-50102, MUMIAS
 Date.....

GRAND SUMMARY

PROPOSED 3NO CLASSROOMS IN MUMIAS WEST CONSTITUENCY

ITEM	DESCRIPTION	OFFICIAL USE		CONTRACTOR'S USE	
		SHS	CTS	SHS	CTS
A	BILL NO.1 –Builders Works From Page PG/09			4,078,140	00
B	BILL NO.4 – PC & Provisional sums from Pg PC /1			582,500	00
	SUB – TOTAL			4,660,640	00
	ADD 16% VAT			745,702	40
	TOTAL CARRIED TO FORM OF TENDER KSH.			5,406,342	40
	ADD ADMINISTRATIVE COST KSH.			90,000	00
	TOTAL COST KSH.			5,496,342	40

AMOUNT IN WORDS: FIVE MILLION, FOUR HUNDRED AND NINETY SIX THOUSAND, THREE HUNDRED AND FORTY TWO AND FORTY CENTS


 P. O. BOX 412-50102, MUMIAS
 Date.....

CONTRACTOR'S FIRM:

ADDRESS:.....

SIGNATURE:

DATE:

WITNESS:

ADDRESS:.....

SIGNATURE:

DATE:.....

CLIENT NAME:

SIGNATURE:

ADDRESS:

DATE:

WITNESS:

ADDRESS:.....

SIGNATURE:

DATE:.....

REPUBLIC OF KENYA



COUNTY GOVERNMENT OF KAKAMEGA

MINISTRY OF ROADS, INFRASTRUCTURE AND PUBLIC
WORKS & ENERGY

BILLS OF QUANTITIES FOR PROPOSED CONSTRUCTION
OF 3NO WORKSHOPS AT MUMIAS WEST T.T.I

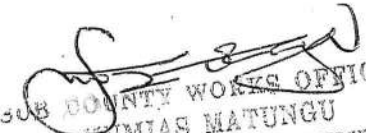
IN

MUMIAS WEST CONSTITUENCY.

TENDER DOCUMENTS

TENDER NO:

ISSUED BY:
SUB-COUNTY WORKS OFFICER
DEPARTMENT OF PUBLIC WORKS
BOX 412
MUMIAS.


SUB-COUNTY WORKS OFFICER
MUMIAS MATUNGU
P.O. Box 412-50102, MUMIAS
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MAY 2022

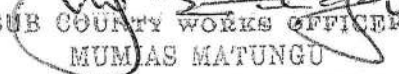
BILL NO. 1

MEASURED WORKS.

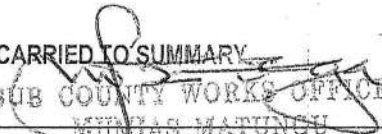

SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
P. O. Box 412-50102, MUMIAS
Date.....

ELEMENT NO.1 – SUBSTRUCTURES

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	Clear site of all bushes, shrubs and undergrowth, grub up roots and burn all the arising.	696	SM	60	41,760	
B	Excavate foundation trench not exceeding 1.5m deep starting from reduced level and stockpile on site as directed.	164	CM	300	49,200	
C	Excavate soils to reduce levels not exceeding 0.3m deep	143	CM	200	28,600	
<u>Fillings / disposal</u>						
D	Return, fill and ram selected materials around foundations	33	CM	300	24,900	
E	Load, wheel and deposit surplus excavated materials where directed on site and not exceeding 50m away	76	CM	200	15,200	
<u>Hardcore Filling</u>						
F	300mm thick under floors compacted and consolidated in 150mm thick layers	129	CM	400	51,600	
G	50mm thick quarry dust blinding to surfaces of hardcore	430	SM	300	129,000	
<u>Anti-Termite Treatment</u>						
H	Chemical anti-termite treatment executed complete by an approved specialist under a ten year guarantee to surfaces of blinding hardcore	430	SM	150	64,500	
<u>Damp proof membrane</u>						
J	500 gauge polythene sheeting or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (Measured net- allow for laps)	430	SM	200	86,000	
Carried to Collection				Ksh.	490,760	


SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
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ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	CONCRETE WORKS Concrete (1:3:6) as described in:-					
A	50mm thick blinding	110	SM	5000	550,000	
	<i>Reinforced concrete (1:2:4) as described in:</i>					
B	Strip Foundation	28	CM	12000	336,000	
C	150mm thick surface bed	430	SM	2000	860,000	
	Reinforcement <i>Fabric reinforcement to BS 4483 and setting in concrete with 300mm side and end laps</i>					
D	Fabric mesh A 98 in floor bed and ramps	430	SM	400	172,000	
	<i>Mild steel high tensile reinforcement to BS 4449</i>					
E	8mm diameter bars	228	Kg	250	57,000	
F	10mm diameter bars	338	Kg	250	84,500	
	Sawn Formwork to:					
G	Edges of ground floor slab over 75mm but not exceeding 150mm high.	110	LM	250	27,500	
	<i>Walling in natural coursed stone obtained from an approved quarry and jointed cement sand(1:4) gauged mortar</i>					
H	200mm thick wall in foundation	230	SM	1800	414,000	
	Plinth Finishes					
J	12mm thick cement and sand (1:4) render on wall plinths	45	SM	350	15,750	
	<i>Prepare and apply two coats of black bituminous paint to:</i>					
K	Render stone surfaces	45	SM	250	11,250	
L	Allow a sum of Kenya Shillings Seventy Thousand for extra substructural works		SUM		70,000	
	Paving (1 row)					
M	Supply and lay pre-cast concrete slabs size 600 x 600 x 50mm laid on and including 50mm thick consolidated sand bed and 100mm thick Murram sub-base to fall and including all necessary excavations and anti-termite treatment to sub-base.	60	SM	1200	72,000	
	Carried to Collection			Ksh.	2,670,000	00
	COLLECTION					
	Brought forward from page pg/01				490,760	
	Brought down from Above				2,670,000	
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY			Ksh.	3,160,760	00


 SUB COUNTY WORKS OFFICER
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ELEMENT NO.2 – VERANDAH

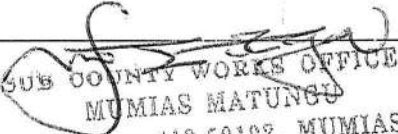
ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
<u>EXCAVATIONS</u>						
A	Excavate over site average depth 200mm to remove top vegetable soil	62	SM	100	6,200	
B	Excavate foundation trenches commencing from stripped level not exceeding 1.5m	36	CM	200	7,200	
C	Ditto for column bases	22	CM	200	4,400	
D	Return in fill and ram selected excavated material around	29	CM	150	4,350	
E	Load and cart away surplus excavated material from site as directed	20	CM	350	7,000	
<u>CONCRETE WORKS</u>						
F	50mm thick concrete mix 1:4:8 blinding in foundation strips	24	SM	400	9,600	
G	250mm thick reinforced vibrated concrete mix 1:2:4 in foundation strips	6	CM	15000	90,000	
<u>REINFORCEMENTS</u>						
H	D10 dia bars in foundation trenches as main and distribution bars	210	KGS	200	42,000	
<u>FOUNDATION WALLING</u>						
J	200mm thick concrete blocks bedded and jointed in cement/sand (1:4) mortar	48	SM	2000	96,000	
<u>REINFORCEMENTS</u>						
K	D12dia in column bases	155	KGS	200	31,000	
L	D16 dia in columns	200	KGS	250	50,000	
M	D8 dia in stirrups	80	KGS	200	16,000	
N	D16 in beams	280	KGS	250	70,000	
P	D8 in beams	75	KGS	200	15,000	
<u>CONCRETE WORKS</u>						
Q	50mm thick concrete mix 1:4:8 in column bases	15	SM	400	6,000	
R	Vibrated Reinforced concrete mix 1:2:4 in column base	4	CM	15000	60,000	
S	Ditto in columns	2.5	CM	15000	37,500	
T	Ditto in beams	2.5	CM	15000	37,500	
<u>FORMWORK</u>						
<u>sawn timber formwork as described:</u>						
U	To sides of columns	40	SM	400	16,000	
V	To sides of verandah beam	24	SM	400	9,600	
W	To soffits of beam	8	SM	400	3,200	
Total Carried to Collection.....				Ksh.	618,550	00


MUMIAS MARINGU
 P. O. Box 412-50102, MUMIAS
 Date.....

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS	
<u>FINISHES</u>							
<u>FLOOR</u>							
A	38mm thick cement / sand (1:3) screed paving	60	SM	400	24,000		
B	20mm thick machine polished terrazzo finish including dividing strips @ 1200mm c/c	60	CM	2200	132,000		
C	150mm high Terrazzo skirting	75	LM	250	18,750		
<u>COLUMNS</u>							
D	15mm thick cement / sand render to columns	40	SM	300	12,000		
<u>PAINTING</u>							
E	Prepare and apply one undercoat and two finishing coats of silk vinyl matt paint to rendered column surfaces	40	SM	350	14,000		
Total Carried to Collection.....					Ksh.	200,750	00
 <u>COLLECTION</u>							
Brought forward from Page 03						618,550	
Brought down from above						200,750	
TOTAL FOR VERANDAH CARRIED TO SUMMARY.....					Ksh.	819,300	00

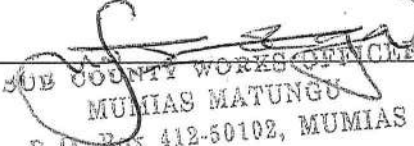
ELEMENT NO.3 – REINFORCED CONCRETE FRAME

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	REINFORCED CONCRETE FRAME					
	<i>In situ concrete: class 20/20mm vibrated to:</i>					
A	Beams	11	CM	11500	126,500	
	Reinforcement					
	<i>High yield steel bars: Cold worked to BS 4461 including bends, hooks, tying wire, distance blocks and spacers</i>					
B	8mm diameter in any direction	320	Kg	250	80,000	
C	12mm ditto	680	Kg	250	170,000	
	Formwork to In situ concrete					
D	Sides ad soffits of beams	146	SM	400	58,400	
TOTAL FOR REINFORCED CONCRETE FRAME CARRIED TO SUMMARY.....				Ksh.	434,900	00


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-60102, MUMIAS
 Date.....

ELEMENT NO.4 – WALLING.

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	<u>SUPERSTRUCTURAL WALLING</u>					
A	150mm wide approved quality 3 ply bituminous felt damp proof course under walls	150	LM	300	45,000	
	<u>150mm thick concrete block walling in cement and sand(1:4) mortar reinforced with and including 25 x 3mm hoop iron in every two alternate courses.</u>					
B	150mm thick externally & internally	675	SM	1800	1,215,000	
C	Eaves filling 150mm thick wall extreme height 300mm	100	LM	100	10,000	
D	100mm diameter PVC vent pipe 190mm long complete with mosquito gauze on coffee tray wire built into wall	9	NO	200	1,800	
E	225 x 225 x 25mm thick precast concrete vent block including mosquito gauze on coffee tray wire	36	Prs	200	7,200	
TOTAL FOR WALLING CARRIED TO SUMMARY.....				Ksh.	1,279,000	00


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

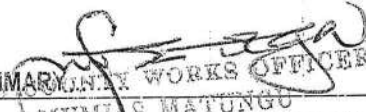
ELEMENT NO.5 - ROOF

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	Approved pre-painted sheets gauge 30 laid on timber purlins (M.S).	695	SM	1000	695,000	
B	Ridge cap 400mm wide	55	LM	600	33,000	
C	Gauge 30 Plain sheet cover	10	LM	650	6,500	
<u>Timber Trusses:</u>						
<u>All provisional</u>						
<i><u>The following roof trusses as per "T1" in first grade pressure impregantaed sawn cypress including hoisting and placing in position</u></i>						
D	100 x 50mm rafters	385	LM	300	115,500	
E	150 x 50mm tie beam	318	LM	350	111,300	
F	100 x 50mm King post	70	LM	300	21,000	
G	50 x 75 purlins	575	LM	250	143,750	
H	100 x 50mm struts and ties	445	LM	300	133,500	
J	100 x 50mm wall plate bolted to wall with and including 12mm diameter bolts 60mm long at 1000mm centres	120	LM	300	36,000	
K	200 x 25mm fascia & bardge board	150	LM	430	64,500	
<u>Painting and Decoration</u>						
<i><u>Knot, stain prepare and apply three coats gloss oil paint to:</u></i>						
L	Surfaces of timber 200-300mm girth	120	LM	120	14,400	
M	General surfaces of metal gutters	62	LM	200	12,400	
TOTAL FOR ROOF CARRIED TO SUMMARY.....				Ksh.	1,386,850	

ELEMENT NO.6 – WINDOWS


ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	<i>Bull nosed burnt clay, finished fair on all exposed surfaces and hoisting and placing in position, bedding, jointing and pointing ion pigmented cement and sand (1:3) mortar</i>					
A	150mm x 25mm thick clay window sill	40	LM	300	12,000	
	Pelmet Box.					
B	Comprising 150 x 25mm wide fascia, 2NO 150 x 25mm ends 100mm long, 100 x 25mm block board top; and 50 x 25mm wrot cypress bearer plugged	40	LM	1400	56,000	
	Curtain tracks					
C	"Silent gliss" standard I-section light duty brass single curtain track screwed to soffits of timber pelmet top (M/s) with bras plated screws, one bracket runner per 75mm of rail, two end stops per length and complete accessories to approval.	40	LM	600	24,000	
	<i>Supply assemble and Fix the following purpose made mild steel casement windows standard metal section from approved manufacturer complete with framed transoms, mullions and with and including permanent metal woos 50mm high x 50mm projection to full width of window coupling mullions, approved ironmongery and one coat manufacturer's primer all welding ground stele for galvanizes with putty, lugs to two jambs, cutting and pinning to concrete or block work, fixing to head and still with crews plugging</i>					
D	Window overall size 1800 x 1500mm high	12	NO	15000	180,000	
E	Window overall size 1200 x 1200mm high	9	NO	12000	108,000	
F	Window overall size 600 x 600mm high	3	NO	6000	18,000	
	Glazing					
G	4mm thick clear sheet glass panes over 0.1 but not exceeding 0.5m	37	SM	1500	55,500	
H	Ditto but obscure glazing	1.5	SM	1600	2,400	
	Painting and Decoration					
	On metal work					
	<i>Prepare and apply three coats oil paint full gloss to crown solo or other equal and approved to:</i>					
J	General window surfaces; over 300mm girth internal	15	SM	250	3,750	
K	General window surfaces; over 300mm girth external	15	SM	250	3,750	
	On wood					
L	Aluminium primer or other equal and approved wood backs of frame, board etc over 200mm but not exceeding 300mm girth	40	LM	100	4,000	
	<i>Prepare and apply three coats polythene clear varnish:</i>					
M	Frames 200 -300mm girth	40	LM	100	4,000	
TOTAL FOR WINDOWS CARRIED TO SUMMARY				Ksh.	471,400	

P/g08


 MUMIAS MATUNGO
 P. O. Box 412-50102, MUMIAS
 Date.....

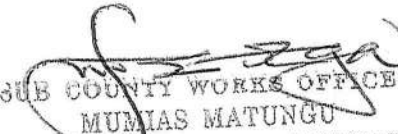
ELEMENT NO.7 – DOORS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	Double steel casement doors size 2000 x 2700mm high	6	NO	30000	180,000	
B	900 x 2100mm high timber flush doors	16	NO	10000	160,000	
	IRON MONGERY <i>supply and fix the following to UNION catalogue or other equal and approved to softwood, hardwood or the like fixing with screws</i>					
C	Three lever mortise lock complete with set lever aluminium handle furniture	16	NO	3000	48,000	
D	Steel door locks to schedule	6	NO	6000	36,000	
E	100mm steel butt hinges <i>To concrete or block work; fixing with bolts plugging</i>	22	Prs	300	6,600	
F	Rubber door stop complete with 38mm rawl bolt Painting and Decoration <i>Prepare and apply one coat etching primer, one undercoat and two coats gloss oil paint to crown solo or equal and approved to:-</i>	16	NO	200	3,200	
G	General surfaces of galvanized casement metal doors; over 300mm girth	52	SM	250	13,000	
H	50 x 20mm quadrant in prime grade wrot cypress timber	135	LM	60	8,100	
J	50 x 20mm architrave ditto	135	LM	60	8,100	
K	150 x 50mm frame with four labours ditto <i>Knot, prime and stop; prepare and apply one undercoat and two coats gloss oil paint</i>	96	LM	70	6,720	
L	General surfaces of timber doors over 300mm girth; external & internal	62	SM	250	15,500	
TOTAL FOR DOORS CARRIED TO SUMMARY.....				Ksh.	485,220	00


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

ELEMENT NO.8 – FINISHES

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
Floors						
A	38mm thick cement sand (1:3) backing to receive terrazzo	264	SM	350	92,400	
B	20mm thick machine polished terrazzo finish including dividing strips @ 1200mm	264	SM	2500	660,000	
C	20 x 150mm high skirting ditto	250	LM	300	75,000	
Walls						
D	15mm thick two coat gauged plaster (1:1:6) to wlls internally	630	SM	300	189,000	
E	Ditto to reveals and jambs of openings	32	SM	300	9,600	
F	15mm thick cement and sand (1:4) render to walls externally	450	SM	250	112,500	
Painting and decoration						
<u>Prepare and apply one undercoat and two finishing coats silk vinyl emulsion paint to:</u>						
G	Plastered and rendered wall surfaces	1080	SM	230	248,400	
H	Ditto to surfaces of reveals and jambs	32	SM	230	7,360	
TOTAL FOR FINISHES CARRIED TO SUMMARY.....				Ksh.	1,394,260	00


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

ITEM	DESCRIPTION	KSHS	CTS
	<u>SUMMARY</u>		
A	SUBSTRUCTURES FROM PAGEPG/02	3,160,760	
B	VERANDAH FROM PAGE.....PG/04	819,300	
C	REINFORCED CONCRETE FRAME PAGE.....PG/05	434,900	
D	WALLING FROM PAGEPG/06	1,279,000	
E	ROOF FROM PAGEPG/07	1,386,850	
F	WINDOWS FROM PAGEPG/08	471,400	
G	DOORS FROM PAGEPG/09	485,200	
H	FINISHES FROM PAGEPG/10	1,394,260	
TOTAL CARRIED TO GRAND SUMMARY.....KSH.		9,431,670	00


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....


BILL NO.2

MECHANICAL WORKS


SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
P. O. Box 412-50102, MUMIAS
Date.....

	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
	<u>PLUMBING WORKS</u>					
A	Allow a provisional sum of Kenya Shillings Twenty Thousand only for pipe fittings in cold water supply, storage and distribution to outlet areas including internal drainage.		SUM		20,000	
	<u>SANITARY FITTINGS</u>					
	<i>Supply, assemble and fix the following sanitary fittings:</i>					
B	Twyfords "classic" 10003 vitreous china pedestal type W.C suite complete with vitreous china 9 litre capacity cistern with seat and cover	3	NO	15000	45,000	
C	Twyfords sola "510" or equal and approved ceramic wash hand basin complete with "P" trap and all other accessories	3	NO	8000	24,000	
D	Ceramic recessed toilet paper roll holder	3	NO	2500	7,500	
E	600 x 450 x 6mm thick polished plate glass mirror with beveled and smoothed edges and drilled four times for and including fixing to wall with plugged and dome shaped chromium plated screws	3	NO	1800	1,800	
F	Supply and fix single bowl single drain stainless steel sink complete with trap, plug and chain	3	NO	6500	19,500	
	<u>Worktop</u>					
G	2000 x 600 x 75mm thick concrete class 20/(20mm) – 1:2:4 reinforced with D8 bars including all formwork	18	NO	5000	90,000	
H	Supply and fix 200 x 300 x 6mm thick ceramic tiles fixed with approved adhesive in toilet walls	27	SM	1600	43,200	
	TOTAL FOR PLUMBING WORKS CARRIED TO COLLECTION.....			Ksh.	251,000	00

PW/01


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

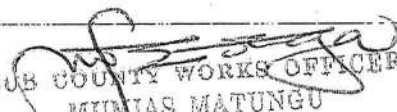
	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
	EXTERNAL DRAINAGE WORKS					
	Provisional					
A	Construct manhole size 600mm x 450mm and average 750mm deep in natural stone including all excavations concrete 150mm thick base concrete benching, internal and external plastering, forming channels, concrete top cover complete with medium duty manhole cover and frame and all related works.	4	NO	5000	20,000	
B	Excavate trench for 100mm UPVC pipe starting from ground level average depth 750mm, backfill after laying pipe in approved materials and cart away surplus materials as directed	12	LM	300	3,600	
C	Provide lay and joint in trench 110mm UPVC golden brown pipe class 41	12	LM	450	5,400	
D	Gulley trap size 250 x 250 x 300mm deep comprising of 75mm thick concrete 1:3:6 base, 100mm thick concrete block walling bedded in cement and sand (1:3) mortar complete with 12mm cement and sand (1:2) plaster and 3mm thick mild steel cover and grating	3	NO	2500	7,500	
TOTAL FOR EXTERNAL DRAINAGE WORKS CARRIED TO COLLECTION.....				Ksh.	36,500	00

DW/01


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

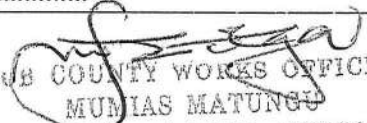
	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
	SEPTIC TANK (15000 LITRES) <u>The following in 1No. Septic Tank complete with 1No. Inlet and 1No. Outlet manholes</u>					
A	Excavate pit for a septic Tank in normal soil not exceeding 1.5m deep from ground level.	31	CM	200	6,200	
B	Ditto 1.5-30m deep ditto	31	CM	220	6,200	
C	Extra over excavations in normal soil for excavation in rock occurring at any depth.	5	CM	1000	5,000	
D	Return, fill and ram selected excavated materials from site.	17	CM	100	1,700	
E	Remove surplus excavated materials from site	67	CM	300	20,100	
F	Allow for plunking and strutting sides of excavations		ITEM		2,000	
G	Ditto removal of water / mud from excavations by bailing, pumping or otherwise.		ITEM		2,000	
	<u>Vibrated reinforced concrete 1:2:4mm aggregate as described in:-</u>					
H	150mm Thick base	15	SM	1800	27,000	
J	150mm Thick suspended slab	15	SM	1800	27,000	
K	100mm Thick Baffle walls	4	SM	1200	4,800	
L	200 x 100mm thick beam	2	CM	12000	24,000	
	<u>Reinforcement</u>					
M	8mm diameter mild steel reinforcement bar to B.S 4449	95	KGS	200	19,000	
N	10mm ditto	95	KGS	200	19,000	
P	12mm ditto	90	KGS	220	19,800	
Q	BRC mesh reinforcement ref:NO A142 in floor slab and baffle walls	15	SM	450	6,750	
	<u>Sawn Formwork to</u>					
R	Soffites of suspended slab	15	SM	450	6,750	
S	Sides of baffle walls	8	SM	450	3,600	
T	Edge of suspended slab 100-200mm girth	20	LM	200	4,000	
U	Boxing to formwork to form 600 x 450mm opening in 150mm thick suspended slab.	4	NO	400	1,600	
	Carried to Collection			Ksh.	206,500	00

ST/01


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

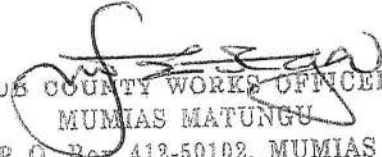
	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
A	12mm Thick water proof cement and sand (1:2) rendering to wall surfaces trowelled smooth.	70	SM	300	21,000	
B	Ditto to concrete floor slab/baffle walls	6	SM	300	1,800	
C	Ditto to surfaces and edges of concrete cover slab.	10	SM	300	3,000	
D	150mm thick concrete block wall reinforced with hoop iron at every alternate course for reinforced piers and retaining walls	50	SM	1600	80,000	
E	600 x 450mm medium duty cast iron manhole cover frame including bedding frame in cement and sand (1:2) mortar and cover in grease.	7	NO	5000	35,000	
F	12mm thick water proof cement and sand 1:1 plaster trowelled smooth to manhole walls	4	SM	380	1,520	
G	200mm thick benching to manhole internal size 600 x 450mm with internal rounded angle against walls at top finish to slab with and including water proof cement and sand (1:2) plaster travelled smooth.	4	NO	800	3,200	
	<u>Extra over benching as described for forming external rounded angles finished with water proof cement.</u>					
H	100mm half-rounded section straight main channel 600mm long	3	NO	700	2,100	
J	100mm three quarter section curved branch channel, 300mm (average) long.	4	NO	400	800	
K	Make hole through 140mm thick solid block wall for large pipe and make good	4	NO	100	400	
L	200mm concrete block wall reinforced with hoop iron at every alternate course.	55	SM	1800	99,000	
	Carried to Collection.....			Ksh.	247,820	00

ST/02


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

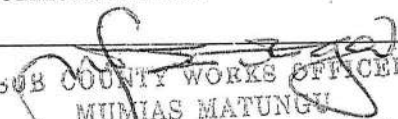
	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
A	100mm diameter PVC pipe in septic tank as per details on drawings	1	NO	1800	1,800	
B	Extra over pipe for 100mm inspection bend.	2	NO	1200	2,400	
<u>Soak Pit</u>						
<u>1NO. Soak pit size 1.5m diameter x 3000mm deep.</u>						
C	Allow Forty Thousand shillings (Ksh. 40,000.00/-) for construction of a soak pit per M.O.P standard drawing complete and including all the excavations, 150mm block walling, 150mm thick concrete (1:2:4) suspended slab hardcore filling loosely in the pit cast iron manhole cover, plaster to walls and to slab and carting away excavated materials.	1	NO	40,000	40,000	
Carried to Collection.....				Ksh.	44,200	00
<u>COLLECTION</u>						
Brought forward from page ST/01					206,500	
Brought forward from Page ST/02					247,820	
Brought down from above					44,200	
TOTAL FOR 1NO SEPTIC TANK CARRIED TO COLLECTION.....				Ksh.	498,520	00

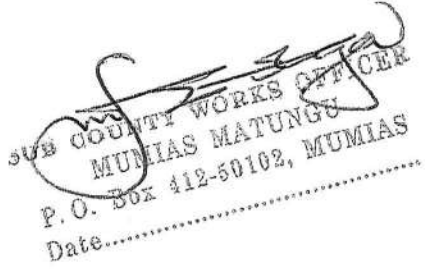
ST/03


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
	WATER TANK COLD WATER STORAGE TANK COMPLETE WITH BASE					
A	Supply and install 3000 litres UPVC storage tank of 'ROTO' type or equal and approved hoisted on 4m high steel tower inclusive of the foundation to schedule (Cost to include steel tower)		ITEM		100,000	
B	Allow a sum of Kenya Shillings Fifteen Thousand (Ksh.10,000) only for piping and plumbing accessories		ITEM		15,000	
C	Supply, deliver and install booster pump (IHP) with a total static head of 10m with single phase power source and mounted on anti vibration platform	1	NO	25000	25,000	
TOTAL FOR WATER TANK CARRIED TO COLLECTION.....				Ksh.	140,000	00

WT/01


 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P. O. Box 412-50102, MUMIAS
 Date.....

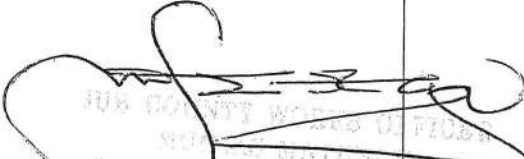
ITEM	DESCRIPTION	KSHS	CTS
	<u>COLLECTION</u>		
A	PLUMBING WORKSPW/01	251,000	
B	EXTERNAL DRAINAGEDW/01	36,500	
C	SEPTIC TANK.....ST/03	498,520	
D	WATER TANKWT/01	140,000	
TOTAL FOR MECHANICAL WORKS CARRIED TO GRAND SUMMARY.....KSH.		926,020	00
			

BILL NO.3

P.C. AND PROVISIONAL SUMS


SUB COUNTY WORKS OFFICER
MUMIAS MATUNGU
P. O. Box 412-50102, MUMIAS
Date.....

ITEM	P. C. AND PROVISIONAL SUMS	KSHS	CTS
A	Allow a provisional sum of Kenya shillings Five Hundred Thousand only for Electrical Works	500,000	00
B	Allow a sum of Kenya Shillings One Hundred Thousand only for project documentation and supervision expenses	100,000	00
C	Allow a sum of Kenya Shillings Three Hundred and Ten Thousand only for Contingencies	310,000	00
D	Allow a provisional sum of Kenya Shillings Two Hundred Thousand for NEMA, NCA and County Government of Kakamega Plan approvals	200,000	00
E	Allow a provisional sum of Kenya Shillings Three Hundred Thousand only for Hoarding, site office and store	300,000	00
TOTAL FOR P.C. AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY..... Ksh.		1,410,000	00


 SUB COUNTY WORKS OFFICE
 P. O. BOX 112-60102, MUKIASS
 Date.....

GRAND SUMMARY

PROPOSED CONSTRUCTION OF 3NO WORKSHOPS AT MUMIAS WEST T.T.I IN MUMIAS WEST CONSTITUENCY

ITEM	DESCRIPTION	CONTRACTOR'S USE		OFFICIAL USE	
		SHS	CTS	SHS	CTS
A.	Bill No.1 – From page PG/10			9,431,670	00
B.	Bill No. 02 – From Page MW/07			926,020	00
C.	Bill No.04 - From page PC/01			1,410,000	00
	SUB-TOTAL			11,767,690	00
	ADD VAT 16%			1,882,830	40
	SUB-TOTAL			13,650,520	40
	ADD ADMINISTRATIVE COST			600,000	00
	TOTAL CARRIED.....KSH.			14,250,520	40

AMOUNT IN WORDS: FOURTEEN MILLION, TWO HUNDRED AND FIFTY THOUSAND, FIVE HUNDRED AND TWENTY AND FORTY CENTS ONLY

CONTRACTOR'S FIRM.....

ADDRESS:

SIGNATURE:

DATE:

WITNESS:

SIGNATURE:

ADDRESS:.....

DATE:.....

CLIENT'S NAME:

ADDRESS:

SIGNATURE:

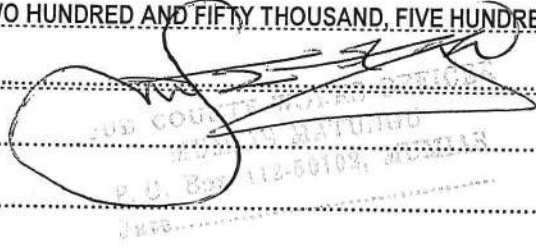
DATE:

WITNESS:

SIGNATURE:

ADDRESS:.....

DATE;.....



REPUBLIC OF KENYA



COUNTY GOVERNMENT OF KAKAMEGA

**MINISTRY OF ROADS, INFRASTRUCTURE AND PUBLIC
WORKS & ENERGY**

**BILLS OF QUANTITIES FOR PROPOSED CONSTRUCTION
AND EQUIPPING OF 4NO CLASSROOMS AND
ADMINISTRATION BLOCK**

AT SHEIKH BADRU SECONDARY SCHOOL

IN

MUMIAS WEST CONSTITUENCY.

TENDER DOCUMENTS

TENDER NO:.....

**ISSUED BY:
SUB-COUNTY WORKS OFFICER
DEPARTMENT OF PUBLIC WORKS
BOX 412
MUMIAS.**

A handwritten signature in black ink is written over a circular official stamp. The stamp contains the text "MUMIAS WEST CONSTITUENCY" and "MUMIAS" at the bottom.

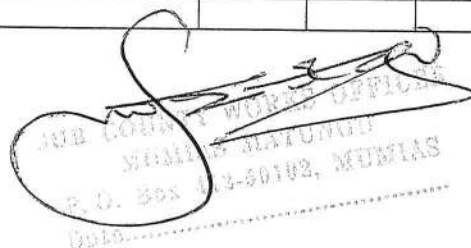
JANUARY 2023

BILL NO. 1

2NO CLASSROOMS

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P.O. _____
Date _____
U
CORPUS

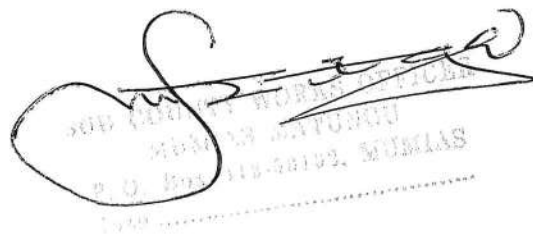
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS/CTS
	SUBSTRUCTURE (ALL PROVISIONAL)				
	EXCAVATION				
A	Excavating vegetable soil for preservation, average 150mm thick	220	SM	10	2,200.00
B	Excavating surface to reduce level. Over 300mm deep	80	CM	100	8,000.00
C	Excavating Trenches; to receive foundations starting from reduced level Not exceeding 1.50m deep	76	CM	200	15,200.00
D	Breaking out existing material; extra over all kinds of excavations irrespective of depth Rock irrespective of class	3	CM	800	2,400.00
E	Disposal Excavated material: Backfilling depositing and compacting in layers maximum 150mm thick.	50	CM	150	7,500.00
F	Surplus excavated material: removing from site	106	CM	100	10,600.00
G	DISPOSAL OF WATER Labour and materials, keeping excavations free from general water		ITEM	1000	1000.00
H	Planking and strutting Labour and materials, to uphold sides of excavation generally		ITEM	1000	1000.00
J	FILLING Hardcore 300mm thick depositing and compacting layers maximum 150mm thick in making up levels	186	SM	400	74,400.00
K	Murram Blinding surface of fill 50mm thick	186	SM	150	27,900.00
L	ANTI-TERMITE AND HERBICIDE TREATMENT <u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly.</u> To surface of fill and tops of foundation walls	186	SM	90	16,740.00
M					
	Carried to collection				166,940.00



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	Concrete Works Mass Concrete Class Q/40mm (1:3:6) – 40mm aggregate) as described in:-				
A	100mm thick floor slab.	186	SM	600	111,600.00
B	Strip Foundation	10	CM	8000	80,000.00
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				
C	Edges of floor bed 75 to 150 mm wide	84	LM	150	12,600.00
	<u>FOUNDATION WALLING</u>				
D	150mm thick approved concrete block walling including bedding and jointing in cement mortar (1:3) reinforced with hoop iron gauge 500 in every alternative course.	84	SM	1700	142,800.00
	<u>DAMP PROOF MEMBRANES</u>				
E	Polythene, 500 gauge, 150mm laps, no allowance made for laps. Horizontal, 1No. of layer (2)	186	SM	80	14,880.00
	<u>PLINTH FINISHES</u>				
F	Render, cement and sand (1:4) wood floated 12mm thick 2No. Coat work, to concrete or block work base (m/s) generally external.	32	SM	250	8,000.00
	<u>Painting 3 coats black bituminous paint to</u>				
G	Rendered surface externally	32	SM	200	6,400.00
	<u>PAVING SLABS</u>				
H	Precast Concrete; class 20/20 600x600x50mm thick slab laid on and including 50mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar V – joints	24	SM	900	21,600.00
	<u>REINFORCEMENT IN FOUNDATION</u>				
	High tensile steel bars cold worked: B.S 4461 including bends, hooks, tying wire, distance blocks and spacers				
J	8 mm diameter in any location	88	KG	180	15,840.00
K	10mm ditto.	263	KG	180	47,340.00
	Total Carried to Collection.....				461,060.00
	<u>COLLECTION</u>				
	Brought forward from page 1				166,940.00
	Brought forward from above				461,060.00
	Total for Substructures Carried to Summary				628,000.00


Handwritten signature and official stamp of the Engineer in Charge, Muklas.

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	REINFORCED CONCRETE FRAME CONCRETE WORK Vibrated Reinforced concrete Class 20/20mm				
A	Beams	4	CM	10000	40,000.00
	REINFORCEMENT High tensile steel bars cold worked: B.S 4461 including bends, hooks, tying wire, distance blocks and spacers				
B	8mm diameter in any location	127	KG	180	22,860.00
C	12 mm ditto	245	KG	200	49,000.00
D	FORMWORK TO INSITU CONCRETE Sides and soffits of beams	52	SM	400	20,800.00
Total Reinforcement Concrete carried to Summary					132,660.00



 JOB ENGINEER IN CHARGE
 MOMBASA DISTRICT
 P.O. BOX 112-20102, MOMBASA

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	<u>WALLING</u>				
	Concrete block walling, including bedding and jointing in cement sand mortar (1:3)				
A	Walls 150 mm thick reinforced with hoop iron gauge 500 in every alternate course	168	SM	1700	285,600.00
B	Form or leave 250mm x 250mm opening in 150mm walling for permanent ventilation (m.s)	14	NO	100	1,400.00
C	225mm x225mm precast concrete permanent vent with mosquito gauze laid in cement sand 1:3 mortar	24	NO	380	9,120.00
	<u>DAMP PROOF COURSES</u>				
	B.S 743 type A. bitumen hessian base 150mm laps, No. allowances made for laps				
D	200mm wide, bedded in cement mortar (1:3)	62	LM	90	5,580.00
E	100mm PVC vent pipe 190mm long complete with galvanized mosquito gauze on coffee tray wire built into wall	12	NO	80	1,800.00
	Total walling carried to Summary				303,500.00


 OFFICE OF THE DISTRICT ENGINEER
 MOUNTAIN PROVINCE
 MOUNTAIN PROVINCE, MUNTAS
 2010

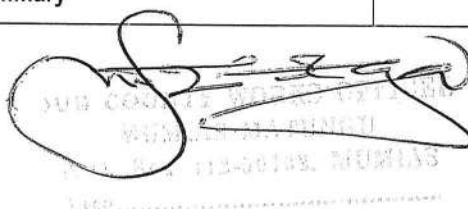
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	<u>ROOFING</u>				
	ROOF COVERING				
A	Gauge 30 pre-painted galvanized corrugated iron sheets fixed to purlins (m/s)	246	SM	900	221,400.00
B	Gauge 30 pre-painted ridge cap	21	LM	500	10,500.00
	<u>CARPENTRY</u>				
	<u>STRUCTURAL TIMBERS</u>				
	<u>Cypress, prime grade, pressure impregnated</u>				
C	75mm x 50mm purlin	350	LM	200	70,000.00
D	100 x 50mm wall plate bedded in cement: sand (1:3) mortar bolted to concrete with and including 16mm diameter bolts cast in concrete at 1000mm centres	38	LM	350	13,300.00
E	100 x 50mm Tie or strut	140	LM	350	49,000.00
F	100 x 50mm Rafters	140	LM	350	49,000.00
G	150 X 50mm tie beam	135	LM	430	58,050.00
H	150mm x 50mm support beam for the Verandah	20	LM	430	8,600.00
	<u>BOARDING</u>				
	<u>Wrought cypress, prime grade, pressure impregnated</u>				
J	225 x 25mm thick Fascia or barge boards	70	LM	450	31,500.00
	<u>PAINTING AND DECORATING</u>				
	<u>One undercoat two coats oil paint gloss finish to crown paints or equal and approved</u>				
K	General timbers board surface	40	SM	150	6,000.00
L	Ditto 200 to 300mm girth external	70	LM	45	3,150.00
	Total for Roofing Carried to Summary				520,500.00

MINISTRY OF LANDS, HOUSING AND URBAN DEVELOPMENT
 GOVERNMENT OF KENYA

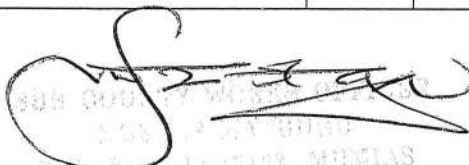
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>WINDOWS AND DOORS</u> <u>Precast concrete, Normal, Class 20/20mm vibrated</u>				
A	Sills 1200 x 75,thick, once sunk weathered, once throated, reinforced as necessary for handling, bedding jointing and pointing in cement mortar (1:4)	13	LM	250	3,250.00
	<u>METAL WORK</u> <u>Purpose made units</u>				
	Standard casement side hang window with metal casement sections, permanent ventilators comprising T-bar gauze and metal hood to fill width of window, one coat primer by manufacturer, complete with all necessary ironmongery, steel for glazing with putty				
B	Overall size 1500 x 1800 mm high	10	NO	13500	135,000.00
	<u>STEEL DOOR</u>				
	Purpose made steel casement door of metal casement sections and frame with locking device fixed to approval				
C	Overall size 1200mm x 2400mm high.	2	NO	16000	32,000.00
D	Supply and fix 65mm diameter black pipe anchored in concrete and to hold under tie beam at the verandah.	19	LM	2000	38,000.00
	<u>GLAZING</u>				
E	4mm thick clear sheet glass and fixing to metal with putty 1.00 to 1.50 square meters	30	SM	1200	36,000.00
	<u>PAINTING AND DECORATING</u> <u>One Undercoat Two Coats Oil Paint Gloss Finish to Crown Paints or Equal and Approved</u>				
G	Metal window surface and door over 300mm girth internal	30	SM	250	7,500.00
H	Ditto over 300mm girth external	30	SM	250	7,500.00
J	Ditto over 250mm girth the surfaces of the pipes	15	LM	50	750.00
	Total for Windows and Doors Carried to Summary				260,000.00

[Handwritten Signature]
 COUNTY MURIELA
 MUNICIPALITY MURIELA
 P.O. BOX 112-00102, MURIELA

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>FLOOR, WALL AND CEILING FINISHES</u>				
	<u>FLOOR</u>				
A	32mm thick cement sand screed (1:4) backing to receive Terrazzo	176	SM	300	52,800.00
B	25mm thick terrazzo finishes finished smooth to the area inclusive of skirting	184	SM	2500	460,000.00
C	15mm thick two coat gauged plaster (1:1:6) to walls internally and verandah face	180	SM	250	45,000.00
D	Ditto to reveals and jamps of openings	10	SM	250	2,500.00
E	15mm thick cement sand (1:4) rendering to walls externally	132	SM	250	33,000.00
	Render to block piers	22	SM	250	5,500.00
F	<u>Prepare and apply two undercoats and one finishing coat plastic emulsion paint first quality to:-</u>				
G	Plastered walls internally & Verandah face	180	SM	250	45,000.00
H	Rendered walls externally	132	SM	250	33,000.00
I	Brick piers	22	SM	250	5,500.00
J	Ditto to reveal and jamps	10	SM	250	36,000.00
	Ditto to ceiling surfaces	144	SM	250	36,000.00
K	<u>CEILINGS</u>				
L	9mm thick chipboard ceiling(excluding verandah)	144	SM	700	100,800.00
M	75 x 50mm Sawn cypress Brandering	258	LM	200	51,600.00
N	50 x 50mm Ditto	256	LM	180	46,080.00
P	100 x 25mm corved cornice	68	LM	130	8,840.00
	600 x 600mm trap door complete with wrot cypress timber frame	2	NO	1800	3,600.00
	Total for Finishes Carried to Summary				965,220.00



ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>FITTINGS</u>				
	<u>The following in black board size 7000 x 1200mm (4No.)</u>				
A	12mm thick plaster (1:3) to walls both front and behind classrooms internally	34	SM	250	8,500.00
B	Prepare and apply black board paint to wall	34	SM	200	6,800.00
C	50 x 25mm wrot cypress moulded beading around the black board plugged to wall	66	LM	90	5,940.00
	<u>The following in pin board 2No. size 1200 x 1200mm</u>				
D	9mm thick soft board	6	SM	500	3,000.00
E	50 x 25mm thick wrot cypress moulded beading plugged to wall	20	LM	130	2,600.00
F	Prepare and apply three coats gloss oil paint to wood surfaces not exceeding 100mm girth	31	LM	60	1,860.00
G	Prepare and apply plastic emulsion paint to soft board surfaces.	6	SM	180	1,080.00
Total for Fittings Carried to Summary					29,780.00

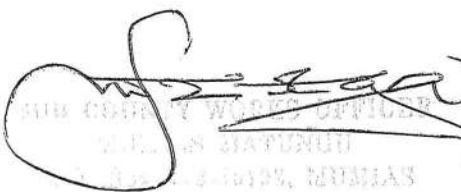

 Date.....

STUDENT LOCKERS AND CHAIRS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	<u>Locker</u>					
A	25mm x 25mm thick square tube, welded as designed for the framework.	5.2	LM	230	1,200	
B	175 x 25mm thick approved hard wood timber for the locker sides	4.0	LM	150	600	
C	400 x 600 x 200mm thick block board for the locker top	1	NO	300	300	
D	600 x 450mm x 3mm thick 3 ply wood for the locker bottom	1	NO	70	70	
E	Supply and fix 600mm long piano hinges	0.6	LM	200	120	
F	Supply and fix hasp locks	1	Pcs	80	80	
G	Supply and fix nuts and washers and rubber stands to the bases of the square tube frameworks	4	Pcs	30	120	
H	Prepare and apply three coats of clear varnish to the wood surfaces	5	LM	50	250	
J	Prepare and apply three coats of black gloss oil paint to metal surfaces	5.2	LM	50	260	
	<u>Chair</u>					
K	25 x 25mm thic square tube and welded as designed	5	LM	50	250	
L	Supply and fix outer studs to the square tube framework	4	Pcs	50	200	
P	Supply and fix 3mm thick steel plate member for both the backrest and seat	0.4	SM	1100	440	
Q	Prepare and apply three coats of clear varnish to the wood surfaces	3	LM	70	210	
R	Prepare and apply three coats of black gloss oil paint to the metal surfaces	5	LM	80	400	
	Sub- Total			Ksh.	5,500	00
	X 50				50	
	TOTAL FOR 50NO LOCKER AND 50NO CHAIR			Ksh.	275,000	00

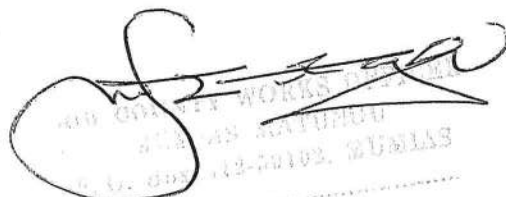
MINISTRY OF EDUCATION
KUCHING, SARAWAK

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>SUMMARY PAGE</u>				
	SUBSTRUCTURE				628,000.00
	REINFORCED CONCRETE FRAME				132,660.00
	WALLING				303,500.00
	ROOFING				520,500.00
	WINDOWS & DOORS				260,000.00
	FINISHES				965,220.00
	FITTINGS				29,780.00
	LOCKERS AND CHAIRS				275,000.00
TOTAL BUILDING WORKS CARRIED TO GRAND SUMMARY					3,114,660.00

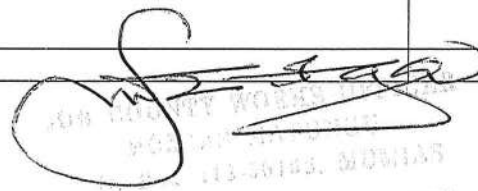

 SUB COUNTY WORKS OFFICE
 W.E. AS STATIONED
 P.O. BOX 10198, NBOBIA
 KEP

BILL NO. 2

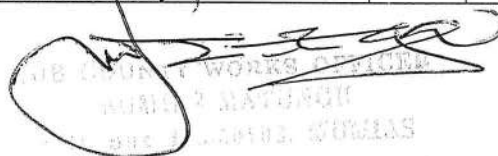
2NO CLASSROOMS AND AN ADMINISTRATION BLOCK


400 COUNTY WORKS DEPT. 11
SHERMAN KANTOR
P. O. BOX 12-1102, BURLINGAME
CALIF.


ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS/CTS
A	SUBSTRUCTURE (ALL PROVISIONAL) Bush Clearance		ITEM		10,000
B	EXCAVATION Excavating vegetable soil for preservation, average 150mm thick	350	SM	10	3,500.00
C	Excavating surface to reduce level. Over 300mm deep	144	CM	100	14,400.00
D	Excavating Trenches; to receive foundations starting from reduced level Not exceeding 1.50m deep	140	CM	200	28,000.00
E	Breaking out existing material; extra over all kinds of excavations irrespective of depth Rock irrespective of class	4	CM	800	3,200.00
F	Disposal Excavated material: Backfilling depositing and compacting in layers maximum 150mm thick.	90	CM	150	13,500.00
G	Surplus excavated material: removing from site	190	CM	100	19,000.00
H	DISPOSAL OF WATER Labour and materials, keeping excavations free from general water		ITEM	1000	1000.00
J	Planking and strutting Labour and materials, to uphold sides of excavation generally		ITEM	1000	1000.00
K	FILLING Hardcore 300mm thick depositing and compacting layers maximum 150mm thick in making up levels	334	SM	400	133,600.00
L	Murram Blinding surface of fill 50mm thick	334	SM	150	50,100.00
M	ANTI-TERMITE AND HERBICIDE TREATMENT <u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly.</u> To surface of fill and tops of foundation walls	334	SM	90	30,060.00
	Carried to collection				307,360.00


 JOB SECURITY HOLDERS
 P.O. BOX 113-50143, MOVIAS
 TEL: 0113-50143

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	Concrete Works Mass Concrete Class Q/40mm (1:3:6) – 40mm aggregate) as described in:-				
A	100mm thick floor slab.	334	SM	600	200,400.00
B	Strip Foundation	17	CM	8000	136,000.00
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				
C	Edges of floor bed 75 to 150 mm wide	128	LM	150	19,200.00
	<u>FOUNDATION WALLING</u>				
D	150mm thick approved concrete block walling including bedding and jointing in cement mortar (1:3) reinforced with hoop iron gauge 500 in every alternative course.	151	SM	1700	256,700.00
	<u>DAMP PROOF MEMBRANES</u>				
E	Polythene, 500 gauge, 150mm laps, no allowance made for laps. Horizontal, 1No. of layer (2)	334	SM	80	26,720.00
	<u>PLINTH FINISHES</u>				
F	Render, cement and sand (1:4) wood floated 12mm thick 2No. Coat work, to concrete or block work base (m/s) generally external.	58	SM	250	14,500.00
	<u>Painting 3 coats black bituminous paint to</u>				
G	Rendered surface externally	58	SM	200	11,600.00
	<u>PAVING SLABS</u>				
H	Precast Concrete; class 20/20 600x600x50mm thick slab laid on and including 50mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar V – joints	44	SM	900	39,600.00
	<u>REINFORCEMENT IN FOUNDATION</u>				
	High tensile steel bars cold worked: B.S 4461 including bends, hooks, tying wire, distance blocks and spacers				
J	8 mm diameter in any location	158	KG	180	28,440.00
K	10mm ditto.	474	KG	180	85,320.00
	Total Carried to Collection.....				794,432.00
	<u>COLLECTION</u>				
	Brought forward from page 1				307,360.00
	Brought forward from above				794,432.00
	Total for Substructures Carried to Summary				1,101,792.00




ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	REINFORCED CONCRETE FRAME				
	CONCRETE WORK				
	<u>Vibrated Reinforced concrete Class 20/20mm</u>				
A	Beams	7	CM	10000	70,000.00
B	Columns	1.7	CM	10000	17,000.00
	REINFORCEMENT				
	High tensile steel bars cold worked: B.S 4461 including bends, hooks, tying wire, distance blocks and spacers				
C	8mm diameter in any location	238	KG	180	42,840.00
D	12 mm ditto	458	KG	200	91,600.00
	FORMWORK TO INSITU CONCRETE				
E	Sides and soffits of beams	98	SM	400	39,200.00
	Total Reinforcement Concrete carried to Summary				260,640.00


 THE COUNTY ENGINEER
 KAPONDI
 DISTRICT OFFICE, MUMIAS

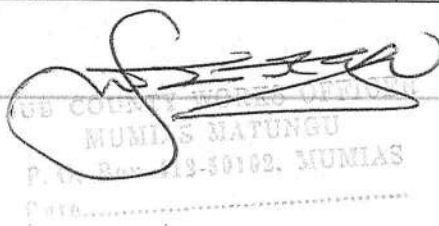
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
	<u>WALLING</u>				
	Concrete block walling, including bedding and jointing in cement sand mortar (1:3)				
A	Walls 150 mm thick reinforced with hoop iron gauge 500 in every alternate course	350	SM	1700	595,000.00
B	Form or leave 250mm x 250mm opening in 150mm walling for permanent ventilation (m.s)	26	NO	100	2,600.00
C	225mm x225mm precast concrete permanent vent with mosquito gauze laid in cement sand 1:3 mortar	50	NO	380	19,000.00
	<u>DAMP PROOF COURSES</u>				
	B.S 743 type A. bitumen hessian base 150mm laps, No. allowances made for laps				
D	200mm wide, bedded in cement mortar (1:3)	120	LM	90	10,800.00
E	100mm PVC vent pipe 190mm long complete with galvanized mosquito gauze on coffee tray wire built into wall	26	NO	80	3,900.00
	Total walling carried to Summary				631,300.00

NAKURU COUNTY WORKS SERVICES DEPARTMENT

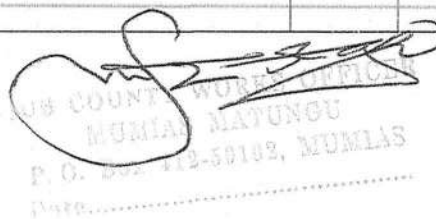
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS.
<u>ROOFING</u>					
ROOF COVERING					
A	Gauge 30 pre-painted galvanized corrugated iron sheets fixed to purlins (m/s)	450	SM	900	405,000.00
B	Gauge 30 pre-painted ridge cap	35	LM	500	17,500.00
C	Ditto Valleys	20	LM	100	2,000.00
<u>CARPENTRY</u>					
<u>STRUCTURAL TIMBERS</u>					
<u>Cypress, prime grade, pressure impregnated</u>					
D	75mm x 50mm purlin	563	LM	200	112,600.00
E	100 x 50mm wall plate bedded in cement: sand (1:3) mortar bolted to concrete with and including 16mm diameter bolts cast in concrete at 1000mm centres	70	LM	350	24,500.00
F	100 x 50mm Tie or strut	250	LM	350	87,500.00
G	100 x 50mm Rafters	263	LM	350	92,050.00
H	150 X 50mm tie beam	246	LM	430	104,490.00
J	150mm x 50mm support beam for the Verandah	22	LM	430	9,460.00
<u>BOARDING</u>					
<u>Wrought cypress, prime grade, pressure impregnated</u>					
K	225 x 25mm thick Fascia or barge boards	115	LM	450	51,750.00
<u>PAINTING AND DECORATING</u>					
<u>One undercoat two coats oil paint gloss finish to crown paints or equal and approved</u>					
L	General timbers board surface	75	SM	150	11,250.00
M	Ditto 200 to 300mm girth external	115	LM	45	5,175.00
Total for Roofing Carried to Summary					921,275.00


 SUB COUNTY WORKS OFFICER
 MUMIA MATUNGU
 P. O. BOX 58102, MUMIAS

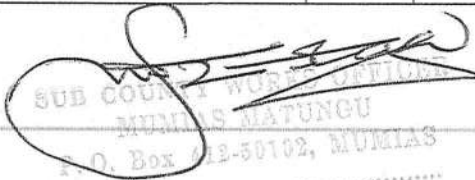
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>WINDOWS AND DOORS</u> <u>Precast concrete, Normal, Class 20/20mm vibrated</u>				
A	Sills 1200 x 75, thick, once sunk weathered, once throated, reinforced as necessary for handling, bedding jointing and pointing in cement mortar (1:4)	28	LM	250	7,000.00
	<u>METAL WORK</u> <u>Purpose made units</u>				
	Standard casement side hang window with metal casement sections, permanent ventilators comprising T-bar gauze and metal hood to fill width of window, one coat primer by manufacturer, complete with all necessary ironmongery, steel for glazing with putty				
B	Overall size 1500 x 1800 mm high	18	NO	13500	243,000.00
	<u>STEEL DOOR</u>				
	Purpose made steel casement door of metal casement sections and frame with locking device fixed to approval				
C	Overall size 1200mm x 2400mm high.	4	NO	16000	64,000.00
D	Supply and fix 65mm diameter black pipe anchored in concrete and to hold under tie beam at the verandah.	19	LM	2000	38,000.00
	<u>GLAZING</u>				
E	4mm thick clear sheet glass and fixing to metal with putty 1.00 to 1.50 square meters	53	SM	1200	63,600.00
	<u>PAINTING AND DECORATING</u> <u>One Undercoat Two Coats Oil Paint Gloss Finish to Crown Paints or Equal and Approved</u>				
G	Metal window surface and door over 300mm girth internal	53	SM	250	13,250.00
H	Ditto over 300mm girth external	53	SM	250	13,250.00
J	Ditto over 250mm girth the surfaces of the pipes	19	LM	50	950.00
Total for Windows and Doors Carried to Summary					443,050.00



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>FLOOR, WALL AND CEILING FINISHES</u>				
	<u>FLOOR</u>				
A	32mm thick cement sand screed (1:4) backing to receive Terrazzo	328	SM	300	98,400.00
B	25mm thick terrazzo finishes finished smooth to the area inclusive of skirting	342	SM	2500	855,000.00
C	15mm thick two coat gauged plaster (1:1:6) to walls internally and verandah face	378	SM	250	94,500.00
D	Ditto to reveals and jams of openings	20	SM	250	5,000.00
E	15mm thick cement sand (1:4) rendering to walls externally	260	SM	250	90,000.00
	Render to block piers	42	SM	250	10,500.00
F	<u>Prepare and apply two undercoats and one finishing coat plastic emulsion paint first quality to:-</u>				
G	Plastered walls internally & Verandah face	378	SM	250	94,500.00
H	Rendered walls externally	260	SM	250	65,000.00
I	Brick piers	42	SM	250	10,500.00
J	Ditto to reveal and jams	20	SM	250	5,000.00
	Ditto to ceiling surfaces	270	SM	250	67,500.00
K	<u>CEILINGS</u>				
L	9mm thick chipboard ceiling(excluding verandah)	270	SM	700	189,000.00
M	75 x 50mm Sawn cypress Brandering	484	LM	200	96,800.00
N	50 x 50mm Ditto	482	LM	180	86,760.00
P	100 x 25mm corved cornice	128	LM	130	16,640.00
	600 x 600mm trap door complete with wrot cypress timber frame	4	NO	1800	7,200.00
	Total for Finishes Carried to Summary				1,792,300.00

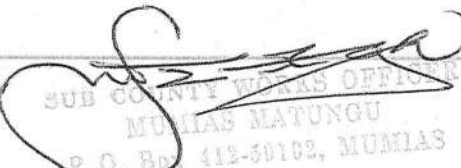


ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	FITTINGS				
	<u>The following in black board size 7000 x 1200mm (4No.)</u>				
A	12mm thick plaster (1:3) to walls both front and behind classrooms internally	34	SM	250	8,500.00
B	Prepare and apply black board paint to wall	34	SM	200	6,800.00
C	50 x 25mm wrot cypress moulded beading around the black board plugged to wall	66	LM	90	5,940.00
	<u>The following in pin board 2No. size 1200 x 1200mm 5NO and 700 x 1200mm 2NO</u>				
D	9mm thick soft board	30	SM	500	15,000.00
E	50 x 25mm thick wrot cypress moulded beading plugged to wall	100	LM	130	13,000.00
F	Prepare and apply three coats gloss oil paint to wood surfaces not exceeding 100mm girth	160	LM	60	9,600.00
G	Prepare and apply plastic emulsion paint to soft board surfaces.	30	SM	180	5,400.00
Total for Fittings Carried to Summary					64,240.00


 SUB COUNTY WORKS OFFICE
 MUMIAS MATUNGU
 P.O. Box 42-50102, MUMIAS
 Date.....

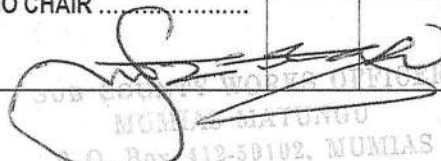
ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
<u>STAFF LOCKERS AND CHAIRS</u>						
A	Block board 19mm thick	4	SM	2000	8,000	
B	Plywood	1.5	SM	300	450	
C	Pull handles	2	NO	200	400	
D	Drawer locks	2	NO	200	400	
E	Varnish application	5	SM	150	750	
F	50 x 50mm approved hardwood timber	5	LM	150	750	
G	150 x 25mm approved hardwood timber	6	LM	150	900	
H	Allow for sundries (cover moulding 19mm)		ITEM		1,000	
<u>CHAIR</u>						
J	150 x 25mm approved hardwood timber	6	LM	150	900	
K	Ditto 50 x 50mm	2	LM	125	250	
L	Allow for sundries(High density cushions and Rexcile covering material)		ITEM		1200	
Total for 1No. Set of Lockers and Chairs.....				Ksh.	15,000	
X 10						
Total for 10NO. Staff Lockers and Chairs				Ksh.	150,000	

Pg/09

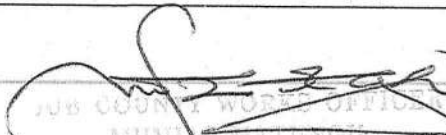

 SUB COUNTY WORKS OFFICER
 MUMIAS MATUNGU
 P.O. Box 412-50102, MUMIAS
 Date.....

STUDENT LOCKERS AND CHAIRS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	<u>Locker</u> 25mm x 25mm thick square tube, welded as designed for the framework.	5.2	LM	230	1,200	
B	175 x 25mm thick approved hard wood timber for the locker sides	4.0	LM	150	600	
C	400 x 600 x 200mm thick block board for the locker top	1	NO	300	300	
D	600 x 450mm x 3mm thick 3 ply wood for the locker bottom	1	NO	70	70	
E	Supply and fix 600mm long piano hinges	0.6	LM	200	120	
F	Supply and fix hasp locks	1	Pcs	80	80	
G	Supply and fix nuts and washers and rubber stands to the bases of the square tube frameworks	4	Pcs	30	120	
H	Prepare and apply three coats of clear varnish to the wood surfaces	5	LM	50	250	
J	Prepare and apply three coats of black gloss oil paint to metal surfaces	5.2	LM	50	260	
	<u>Chair</u>					
K	25 x 25mm thic square tube and welded as designed	5	LM	50	250	
L	Supply and fix outer studs to the square tube framework	4	Pcs	50	200	
P	Supply and fix 3mm thick steel plate member for both the backrest and seat	0.4	SM	1100	440	
Q	Prepare and apply three coats of clear varnish to the wood surfaces	3	LM	70	210	
R	Prepare and apply three coats of black gloss oil paint to the metal surfaces	5	LM	80	400	
	Sub- Total			Ksh.	5,500	00
	X 50				50	
	TOTAL FOR 50NO LOCKER AND 50NO CHAIR			Ksh.	275,000	00

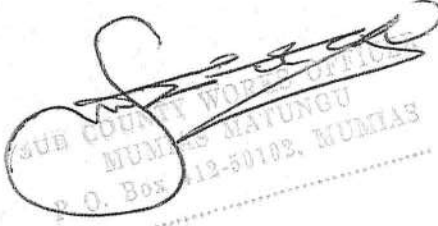

 MUMUKSI BANTORONG
 No. Box 412-50102, NUMILAS
 Date.....

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	<u>SUMMARY PAGE</u>				
	SUBSTRUCTURE				1,101,792.00
	REINFORCED CONCRETE FRAME				260,640.00
	WALLING				631,300.00
	ROOFING				921,275.00
	WINDOWS & DOORS				443,050.00
	FINISHES				1,792,300.00
	FITTINGS				64,240.00
	STAFF LOCKERS & CHAIRS				150,000.00
	STUDENTS LOCKERS & CHAIRS				275,000.00
	TOTAL BUILDING WORKS CARRIED TO GRAND SUMMARY				5,639,597.00

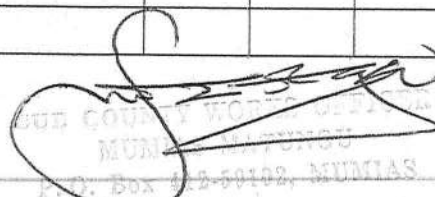

 JOB COUNTY WORKS OFFICER
 NUMI MATONGU
 P.O. Box 42-50102, NUMIAS
 Date.....

BILL NO. 3

P.C & PROVISIONAL SUMS


SUN COUNTY WORK OFFICE
MUMIAS MATUNGU
P. O. Box 12-50193, MUMIAS
Date.....

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT KSHS
	PCS SUM				
A	Allow Kenya Shillings Two Hundred and Thirty Thousand only for electrical installation		SUM		230,000.00
B	Allow Kenya Shillings Twenty Thousand only for sign post, Project Branding and Labeling		SUM		20,000.00
C	Allow Kenya Shillings Sixty Thousand only for project documentation		SUM		60,000.00
D	Allow a provisional sum of Kenya Shillings Thirty Thousand only for plan approvals to the County Government and Nema		SUM		150,000.00
E	Allow a provisional sum of Kenya Shillings Three Hundred Thousand only for Landscaping and Leveling off the ground terrain		SUM		300,000.00
TOTAL CARRIED TO SUMMARY					760,000.00


 MUMIAS COUNTY WORKS OFFICE
 MUMIAS
 P.O. Box 12-50102, MUMIAS
 Date.....

GRAND SUMMARY

PROPOSED CONSTRUCTION AND EQUIPPING OF 4NO CLASSROOMS AND ADMINISTRATION BLOCK AT SHEIKH BADRU SECONDARY SCHOOL IN MUMIAS WEST CONSTITUENCY

ITEM	DESCRIPTION	OFFICIAL USE		CONTRACTOR'S USE	
		SHS	CTS	SHS	CTS
A	BILL NO.1 –2No Classrooms PG/09			3,114,660	00
B	BILL NO. 2 – 2NO Classrooms & Admin Block PG/11			5,639,597	00
C	BILL NO.4 – PC & Provisional sums from Pg PC /1			760,000	00
	SUB – TOTAL			9,514,257	00
	ADD 16% VAT			1,522,281	12
	TOTAL CARRIED TO FORM OF TENDER	KSH.		11,036,538	12
	ADD ADMINISTRATIVE COST	KSH.		100,000	00
	TOTAL COST	KSH.		11,136,538	12

AMOUNT IN WORDS: ELEVEN MILLION, ONE HUNDRED AND THIRTY SIX THOUSAND, FIVE HUNDRED AND
 ...THIRTY EIGHT AND TWELVE CENTS

CONTRACTOR'S FIRM:

ADDRESS:

SIGNATURE:

DATE:

WITNESS:

ADDRESS:

SIGNATURE:

DATE:

CLIENT NAME:

SIGNATURE:

ADDRESS:

DATE:

WITNESS:

ADDRESS:

SIGNATURE:

DATE: