

REPUBLIC OF KENYA



COUNTY GOVERNMENT OF KAKAMEGA

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

**BILLS OF QUANTITIES FOR PROPOSED CONSTRUCTION
OF MULTIPURPOSE HALL AT MWIHILA BOYS HIGH
SCHOOL**

IN

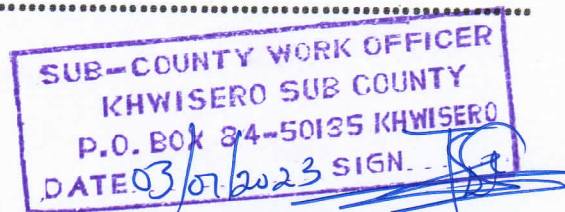
KHWISERO SUB-COUNTY.

TENDER DOCUMENTS

TENDER NO:.....

ISSUED BY:

SUB-COUNTY WORKS OFFICER
DEPARTMENT OF PUBLIC WORKS
BOX 84
KHWISERO SUB COUNTY



JANUARY 2023

BILL NO. 1

MEASURED WORKS

ELEMENT NO.1 – SUBSTRUCTURES

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	Excavate to remove top vegetable soil average 150mm deep, and Cart away.	770	SM	50	38,850	
B	Excavate for strip foundations from the reduced level not exceeding 1.50m deep.	252	CM	200	50,400	
C	Return fill in and ram selected excavated materials around foundation in layers not exceeding 150mm thick.	81	CM	150	12,150	
D	Load and cart away surplus excavated materials from site.	91	CM	100	9,100	
	Fillings.					
E	Hand packed crushed stone hardcore well rolled and consolidated (300mm thick)	770	SM	150	115,500	
F	50mm thick approved murrum blinding to surface of hardcore finished to receive concrete slab.	770	SM	150	115,500	
	Carried to Collection			Ksh.	341,500	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	<u>Insecticide Treatment</u> Treat Surface of blinded hardcore with "Aldrex 48" or other equal and approved insecticide treatment with at least minimum guarantee of 10years in accordance with the manufacturer's printed instructions.	770	SM	150	115,500	
B	<u>Damp Proofing</u> 500-gauge polythene sheeting damp proof membrane laid on treated blinded hardcore with 200mm side and end laps (Measured nett. No. allowance for laps).	770	SM	150	115,500	
C	Approved A142 BRC wire mesh <u>Concrete Works</u> <u>Mass Concrete Class Q/40mm (1:3:6) – 40mm aggregate) as described in:-</u>	770	SM	650	500,500	
D	100mm thick floor slab.	770	SM	700	539,000	
E	Ditto but for Ring beams	312	SM	700	218,400	
F	Strip Foundation	52	CM	700	36,400	
	<u>Sawn formwork as described to:-</u>					
G	Edges of both slabs 100-200mm girth	412	LM	200	32,800	
H	200mm Natural stone walling in cement and sand (1:3) mortar Reinforced with and including 20 swg x 25mm wide hoop iron in every third course.	156	SM	900	140,400	
	<u>Plinth Finishes</u>					
J	15mm thick cement and sand (1:3) rendering trowelled smooth to plinth walls.	97	SM	250	24,250	
K	Prepare and apply two coats of black bituminous paint to plinth areas.	97	SM	200	19,400	
L	Precast 600 x 600 x 50mm Thick precast concrete paving slabs complete with and including excavations, 100mm Murrum base, 50mm fine sand blinding & hauncing to edges of the slabs in concrete (1:3:6) average 150x100mm Carried to Collection	97	SM	600	58,200	
	<u>COLLECTION</u> Brought forward from page pg/03			Ksh.	1,800,350	00
	Brought down from Above				341,500	
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY....			Ksh.	1,800,350	
				Ksh.	2,141,850	00

ELEMENT NO.2 - WALLING.

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	200mm thick concrete block walling in cement and sand (1:3) mortar reinforced with and including 20 swg 25mm wide hoop iron.	614	SM	900	552,600	
B	Fair raking cutting to top of 200mm thick walls.	124	LM	150	18,600	
C	Materials and labour for eaves fillings average 250mm high.	221	LM	200	44,200	
D	150mm wide Hessian based horizontal bituminous felt or other equal and approved damp proof course weighing not less than 3.8 KG/per square meter in one layer including leveling and bedding in cement and sand (1:3) mortar.	2096	LM	50	104,600	
E	100mm diameter P.V.C. Vent pipe 190mm long complete with galvanized mosquito gauze wire at both ends boil into wall.	24	NO	100	2,400	
F	225x225x25mm thick pre-cast concrete permanent vent block including mosquito gauze wire and coffee tray wire.	48	PRS	150	7,200	
					Ksh.	
Carried to Collection					729,600	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	<u>Vibrated Reinforced Concrete Class 20/20 1:2:4-20mm Aggregate</u> <u>As described in:-</u>					
A	Columns and column bases	27	CM	9,800	243,000	
	<u>Sawn Formwork as described to:-</u>					
B	Sides and soffites of beams, columns and stairs	212	LM	200	42,400	
	<u>Reinforcement High Tensile mild steel Reinforcement to BS 4449 as described:-</u>					
C	8mm diameter bars	1552	KGS	150	232,800	
D	12mm diameter	624	KGS	150	93,600	
E	16mm diameter	624	KGS	150	93,600	
	Carried to Collection			Ksh.	705,400	00
	<u>COLLECTION</u>					
	Brought Forward from page PG/05				729,600	
	Brought down from Above				705,400	
	TOTAL FOR WALLING CARRIED TO SUMMARY.....			Ksh.	1,435,000	00

ELEMENT NO.3 - ROOF

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	30 Gauge Pre-painted Galvanized Corrugated iron sheets J-bolted on steel purlins (M.S).	855	SM	700	598,500	
B	Ditto matching ridge cover.	72	LM	350	25,200	
<u>The Following in Standard Steel Frames as per the Engineer's specifications</u>						
C	100mm x50mm Rafters	498	LM	1,000	498,000	
D	150x50mm Tie beam	412	LM	1,000	412,000	
E	100x50mm struts and ties	336	LM	550	184,800	
F	100x25mm splice plate.	121	LM	550	66,550	
G	100x50mm wall plate bolted to concrete ring beam.	209	LM	1,000	209,000	
H	75x50mm purlins	605	LM	550	332,750	
<u>Rainwater Disposal</u>						
<u>24 gauge light presed galvanized mild steel purpose made ready primed box gutters jointed with mastic and fixed to fascia brackets to BS 1091</u>						
J	Size 200mm x 150 mm	233	LM	350	81,550	
K	Extra for outlet in box gutter, diameter 100mm	24	NO	350	8,400	
L	Extra for bend	24	NO	350	8,400	
M	Extra for stopped end	24	NO	350	8,400	
N	100mm Diameter PVC rain water down pipe fixed to wall with clips	47	LM	200	9,400	
O	Extra for swan neck offset 600 mm long	24	NO	300	7,200	
P	Extra for shoe 500 mm long	24	NO	300	7,200	
Q	<u>Testing</u> Allow for testing the whole of the rainwater disposal installation to the satisfaction of the Architect and for replacing any defective work	1	ITEM	5,000	5,000	
Carried to Collection.....				Ksh.	2,462,350	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	Ceiling					
	Sawn cypress					
A	Branding size 50 x 50 mm	381	LM	250	95,250	
B	Branding plugged size 75 x 50mm	57	LM	250	14,250	
C	12mm thick chipboard soffits celing with "V" joints	265	SM	1000	26,500	
D	Extra over ditto for forming trap door with cypress framing, size 1000 x 1000 mm	43	LM	200	8,600	
E	Moulded cornice plugged size 50 x 50 mm	205	LM	100	20,500	
	Prepare and apply one undercoat and two finishing coats of 1st quality plastic Emulsion paint to:					
F	Chipboard ceillings and cornice	265	SM	250	66,250	
G	200x25mm thick steel casement Fascial/Barge board.	205	LM	200	41,000	
H	Prepare and apply three coats gloss oil paint to general surface of metals 200-300mm girth.	205	LM	150	30,750	
	CARRIED TO COLLECTION			Ksh.	303,100	00
	COLLECTION					
	BROUGHT FORWARD FROM PAGE PG/07				2,462,550	
	BROUGHT DOWN FROM ABOVE				303,100	
	TOTAL FOR ROOF CARRIED TO SUMMARY.....			Ksh.	2,765,450	00

ELEMENT NO.4 – WINDOWS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	<u>Supply and Fix standard steel casement purpose made windows complete with window fasteners, stays and burglar proofed with red Oxide.</u>					
A	Window size 1500 x 1500mm	14	NO	6,500	91,000	
B	Ditto size 1500x1200mm high	5	NO	5,500	27,500	
C	Ditto size 1800x600mm high	14	NO	4,500	63,000	
D	Ditto size 600x600mm high	3	NO	3,500	10,500	
	<u>Glazing.</u>					
E	4mm thick clear sheet glass in panes 0.5m ² to 1.0m ² in metal putty.	144	SM	1000	144,000	
	<u>Precast concrete Class 20/20 1:2:4 – 12mm aggregate as described:-</u>					
F	150mm x 25mm thick Weathered sunk and Throated window cill Finished fair on exposed surfaces bedded and pointed in cement and sand (1:3) mortar and including all necessary formwork.	42	LM	250	10,500	
G	Prepare and apply two undercoat and one coat gloss oil paint "CROWN" to general surface of metal.	128	SM	250	32,000	
H	Prepare and apply Red Oxide paint to window cills	42	LM	150	6,300	
	TOTAL FOR WINDOWS CARRIED TO SUMMARY.....			Ksh.	384,800	00


ELEMENT NO.5- DOORS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	DOORS Supply and fix steel casement double leaf door overall size 1400 x 2400mm complete with and including locking device. Samples to be approved before mass production	6	NO	30,000	180,000	
B	Supply and fix steel casement Single leaf door overall size 900 x 2400mm complete with and including locking device. Samples to be approved before mass production	6	NO	20,000	120,000	
	FLUSH DOORS					
C	2100x900mm opening leaf solid mahogany timber flush door fixed to 50x150mm mahogany timber frame to approvals. Samples to be approved before mass production	9	NO	10000	90,000	
	FRAMES: WROT CYPRESS					
D	100x50mm cypress timber door frames rebated to approvals overall size not exceeding 2400 x 1500mm with fanlight. Samples to be approved before mass production	72	LM	550	39,600	
E	25 x 25 mm quadrant	72	LM	550	39,600	
F	50 x 25 mm Architrave	72	LM	550	39,600	
	IRON MONGERY Supply and fix the following					
G	Steel butt hinges 100 mm	37	PRS	500	18,500	
H	3 lever timber door locks union or equivalent approved	14	NO	2500	35,000	
J	Prepare and apply two coats gloss oil paint to general surface of metal	64	SM	300	19,200	
K	4mm Thick clear sheet glass in steel putty	43	SM	1000	43,000	
	TOTAL FOR DOOR CARRIED TO SUMMARY.....			Ksh.	624,500	00

ELEMENT NO.6 – FINISHES

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	38mm thick cement, sand (1:3) screed finishes to receive terrazzo	661	SM	250	165,250	
B	15mm thick polished terrazzo floor finish to approvals	661	SM	1,000	661,000	
C	100 X 20mm ditto skirting	142	SM	1,000	14,200	
D	38mm thick cement, sand (1:3) screed finishes to receive tiles	127	SM	250	31,750	
E	Size 300mm x 300mm floor tiles finish to approvals	127	SM	750	95,250	
F	Ditto size 300mm x 250mm walls tiles finish to approvals	32	SM	750	24,000	
G	100 X 20mm ditto skirting	72	SM	750	54,000	
H	15mm thick two coat gauged plaster (1:1:6) to walls internally and verandah.	684	SM	300	205,200	
J	Ditto to reveals and jams of the openings.	41	SM	300	12,300	
K	15mm thick cement sand (1:4) rendering to walls externally.	684	SM	300	205,200	
L	Render to column pillar.	72	SM	300	21,600	
	<u>Prepare and apply two under coat and one coat finishing coat finishing coat plastic emulsion paint first quality to:-</u>					
M	Plastered walls internally	684	SM	250	171,000	
N	Rendered walls externally	684	SM	250	171,000	
O	To column pillars	72	SM	250	18,000	
P	Ditto to reveal and jams.	41	SM	250	10,250	
	TOTAL FOR FINISHES CARRIED TO SUMMARY.....			Ksh.	1,860,000	00

ITEM	DESCRIPTION	KSHS	CTS
	<u>SUMMARY</u>		
	<u>MULTIPURPOSE HALL</u>		
A	SUBSTRUCTURES FROM PAGE .....PG/04	2,141,850	
B	WALLING FROM PAGE .....PG/06	1,435,000	
C	ROOF FROM PAGE .....PG/08	2,765,450	
D	WINDOWS FROM PAGE .....PG/09	384,800	
E	DOORS FROM PAGE .....PG/10	624,500	
F	FINISHES FROM PAGE .....PG/11	1,860,000	
	TOTAL FOR MULTIPURPOSE HALL CARRIED TO GRAND SUMMARY.....KSH.	9,211,600	00

SUB-COUNTY WORK OFFICER
 KHWISERO SUB COUNTY
 P.O. BOX 8/4-50135 KHWISERO
 DATE 3/9/2023 SIGN. 

ITEM	P. C. AND PROVISIONAL SUMS	KSHS	CTS
A	Allow a provisional sum of Kenya shillings One Hundred Thousand only for Statutory approvals	100,000	00
B	Allow a provisional sum of Kenya shillings Two Hundred Thousand only for Electrical Works	200,000	00
C	Allow a provisional sum of Kenya Shillings Two Hundred Thousand only for Project Supervision and Documentation	200,000	00
D	Allow a provisional sum of Kenya Shillings Two Thousand only for Contingencies.	200,000	00
E	Allow a provisional sum of Kenya shillings Three Hundred Thousand only for Mechanical/Plumbing works	300,000	00
F	Allow a provisional sum of Kenya shillings Fifty Thousand only for construction of ramps	50,000	00
G	Allow a provisional sum of Kenya shillings One Hundred Thousand only for installations of Premium quality chrome plated curtain rods complete with all accessories to the architect's approval. Sample to be approved before mass delivery on site	100,000	00
TOTAL FOR P.C. AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY..... Ksh.		1,150,000	00

GRAND SUMMARY

PROPOSED CONSTRUCTION OF MULTIPURPOSE HALL AT MWHILA BOYS HIGH SCHOOL					
ITEM	DESCRIPTION	CONTRACTOR'S USE		OFFICIAL USE	
		SHS	CTS	SHS	CTS
A.	Bill No.1 - From page PG/12			9,211,600	
B.	Bill No. 2 - From page PC/14			1,150,000	
	SUB-TOTAL			10,361,600	00
	ADD VAT 16%			1,657,856	00
	TOTAL CARRIED.....KSH.			12,019,456	00

AMOUNT IN WORDS: TWELVE MILLION NINETEEN THOUSAND, FOUR HUNDRED AND FIFTY SIX ONLY

CONTRACTOR'S FIRM.....

ADDRESS:.....

SIGNATURE:.....

DATE:.....

WITNESS:.....

SIGNATURE:

ADDRESS:.....

DATE:.....

CLIENT'S NAME:

ADDRESS:

SIGNATURE:

DATE:


WITNESS:

SIGNATURE:

ADDRESS:.....

DATE:.....

G.S.

SUB-COUNTY WORK OFFICER
KHWISERO SUB COUNTY
P.O. BOX 34-50135 KHWISERO
 DATE 03/01/2023 SIGN. 

REPUBLIC OF KENYA



COUNTY GOVERNMENT OF KAKAMEGA

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

**BILLS OF QUANTITIES FOR PROPOSED RENOVATIONS OF
NG-CDF OFFICES**

IN

KHWISERO CONSTITUENCY.

TENDER DOCUMENTS

TENDER NO:.....

ISSUED BY:
SUB-COUNTY WORKS OFFICER
DEPARTMENT OF PUBLIC WORKS
BOX 84
KHWISERO.

**SUB-COUNTY WORK OFFICER
KHWISERO SUB COUNTY
P.O. BOX 84-50135 KHWISERO
DATED 3/01/2023 SIGN. [Signature]**

JANUARY 2023

BILL NO. 1

RENOVATIONS

MEASURED WORKS.

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	Remove and replace broken 4mm thick clear glass glazing in panes 0.5-1.0m ² in steel putty.	16	SM	750	12,000	
B	Ditto but steel window stays	24	NO	350	8,400	
C	Ditto but steel window locks.	17	NO	350	5,950	
D	Prepare and apply one undercoat and two final oil paint to windows	71	SM	350	24,850	
E	Carefully demolish the existing worn out roof covering of the entire office block.	1	ITEM	10,000	10,000	
F	Ditto but worn out sawn celcured cypress roofing frames, fascia boards and gutters	1	ITEM	10,000	10,000	
<u>KITCHEN CONSTRUCTION</u>						
G	Excavate for strip foundations from the reduced level not exceeding 1.50m deep.	3	CM	100	300	
H	Return fill in and ram selected excavated materials around foundation in layers not exceeding 150mm thick.	1	CM	150	150	
J	Load and cart away surplus excavated materials from site	1	CM	450	450	
<u>Concrete Works</u>						
<u>Mass Concrete Class Q/40mm (1:3:6) – 40mm aggregate) as described in:-</u>						
K	Strip Foundation	0.5	CM	10000	5000	
Carried to Collection.....				Ksh.	77,100	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	WALLING 200mm thick concrete block walling in cement and sand (1:3) mortar reinforced with and including 20 swg 25mm wide hoop iron.	12	SM	950	11,400	
B	150mm wide Hessian based horizontal bituminous felt or other equal and approved damp proof course weighing not less than 3.8 KG/per square meter in one layer including leveling and bedding in cement and sand (1:3) mortar.	16	LM	150	2400	
C	225x225x25mm thick pre-cast concrete permanent vent block including mosquito gauze wire and coffee tray wire.	2	NO	90	180	
	<u>Vibrated Reinforced Concrete Class 20/20 1:2:4-20mm Aggregate</u> <u>As described in:-</u>					
D	Ring beam and lintols <u>Sawn Formwork as described to:-</u>	0.5	CM	10000	5,000	
E	Sides and soffites of Ring beam and lintols. <u>Reinforcement High Tensile mild steel Reinforcement to BS 4449 as described:-</u>	4	SM	350	1,400	
F	8mm diameter bars	8	KGS	150	1200	
G	12mm ditto	24	KGS	150	3600	
	Carried to Collection			Ksh.	25,180	00


ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	ROOF					
A	30 gauge pre-painted galvanized corrugated iron sheets of approved quality	570	SM	800	456,000	
B	Ditto matching ridge covers	87	LM	400	34,800	
C	Ditto but plain valleys	18	LM	400	7200	
	<u>Replace the following in sawn celcured cypress</u>					
D	75 x 50mm Purlins	120	LM	250	30,000	
E	100 x 50mm Wall plate	50	LM	250	12,500	
F	100 x 50mm Rafters	87	LM	250	21,750	
G	225 x 25mm Fascia board	133	LM	350	46,550	
H	Ditto but verge boards	21	LM	250	5,250	
J	Prepare and apply one undercoat and two coats gloss oil paint to general surfaces of wood 200-300mm girth	133	LM	250	33,250	
	<u>FINISHES</u>					
K	Repair damaged wall cracks both internally and externally	1	ITEM	3000	3,000	
L	15mm thick cement sand (1:4) plastering to walls internally and tyrolean finish	27	SM	400	10,800	
M	15mm thick cement sand (1:4) rendering to walls externally including the verandah faces and tyrolean finish	491	SM	400	196,400	
	<u>Ceiling</u>					
	<u>Sawn cypress</u>					
N	Carefully demolish the existing worn out ceiling and brandering and remove them from site as directed by the engineer.	1	ITEM			
	Brandering size 50 x 50 mm	150	LM	250	37,500	
P	Brandering plugged size 75 x 50mm	97	LM	250	24,250	
Q	12mm thick chipboard soffits celing with "V" joints	285	SM	1100	313,500	
R	Extra over ditto for forming trap door with cypress framing, size 1000 x 1000 mm	4	LM	200	800	
S	Moulded cornice plugged size 50 x 50 mm	167	LM	100	16,700	
	<u>Prepare and apply one undercoat and two finishing coats of 1st quality plastic Emulsion paint to:</u>					
U	Chipboard ceillings and cornice	285	SM	250	71,250	
	Carried to Collection			Ksh.	1,286,700	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
A	DOORS Supply and fix steel casement door overall size 900 x 2100mm complete with and including locking device. Samples to approved before mass production	1	NO	6500	6500	
	Flush doors to BS 459 (Part 2)					
B	50 x 150mm solid core flush single leaf door faced both sides with 6mm mahogany veneered and hardwood lipped all round with and including fanlight with 5mm thick glass and beads overall, size 900 x 2100mm. Samples to approved before mass production	3	NO	4500	13500	
	<u>prepare and apply two undercoats and one finishing coat plastic emulsion paint first quality to:-</u>					
C	Plastered walls internally	27	SM	300	8100	
D	Rendered walls externally	491	SM	300	147300	
	<u>Plinth finishes</u>					
E	15mm thick cement sand (1:3) rendering trowelled smooth to plinth	81	SM	300	24300	
F	Prepare and apply two coats of black bituminous paint to plinth	81	SM	250	20250	
G	Allow a sum of Kenya Shillings Thirty Thousand only for repair of ramps	1	LS	30,000	30000	
	<u>Curtain rods</u>					
H	Premium quality chrome plated curtain rods complete with all accessories to the architects approval. Sample to be approved before mass delivery on site	51	LM	450	22950	
	Carried to Collection			Ksh.	249,950	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
	<u>Rainwater Disposal</u>					
	<u>24 gauge light presed galvanized mild steel purpose made ready primed box gutters jointed with mastic and fixed to fascia brackets to BS 1091</u>					
A	Size 200mm x 150 mm	133	LM	350	46550	
B	Extra for outlet in box gutter, diameter 100mm	12	NO	350	4200	
C	Extra for bend	12	NO	350	4200	
D	Extra for stopped end	12	NO	350	4200	
E	100mm Diameter PVC rain water down pipe fixed to wall with clips	27	LM	200	5400	
F	Extra for swan neck offset 600 mm long	12	NO	300	3600	
G	Extra for shoe 500 mm long	12	NO	300	3600	
	<u>Testing</u>					
H	Allow for testing the whole of the rainwater disposal installation to the satisfaction of the Architect and for replacing any defective work	1	ITEM	2000	2000	
	Carried to Collection			Ksh.	73,750	00

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS	CTS
<u>2NO.TOILETS RENOVATION</u>						
A	Hack worn out rendering and redo 15mm thick (1:4)	15	SM	400	6000	
B	Carefully remove worn out roof covering and fascia boards	1	ITEM	3000	3000	
<u>ROOF</u>						
C	30 gauge pre-painted galvanized corrugated iron sheets of approved quality	8	SM	800	6400	
<u>Replace the following in sawn celcured cypress</u>						
D	75 x 50mm Purlins	10	LM	250	2500	
E	100 x 50mm Wall plate	7	LM	250	1750	
F	100 x 50mm Rafters	10	LM	250	2500	
G	225 x 25mm Fascia board	10	LM	250	2500	
H	Prepare and apply one undercoat and two coats gloss oil paint to general surfaces of wood 200-300mm girth	3	SM	250	750	
<u>FINISHES</u>						
<u>prepare and apply two undercoats and one finishing coat plastic emulsion paint first quality to:-</u>						
J	Plastered walls internally	42	SM	250	10500	
K	Rendered walls externally	30	SM	250	7500	
<u>Plinth finishes</u>						
L	15mm thick cement sand (1:3) rendering trowelled smooth to plinth	18	SM	400	7200	
M	Prepare and apply two coats of black bituminous paint to plinth	18	SM	250	4500	
Carried to Collection				Ksh.	55,100	

ITEM	DESCRIPTION	KSHS	CTS
	<u>SUMMARY</u>		
	<u>RENOVATIONS, BILL NO.1</u>		
A	COLLECTION FROM PAGE .....PG/01	77,100	
B	COLLECTION FROM PAGE .....PG/02	25,180	
C	COLLECTION FROM PAGE .....PG/03	1,286,700	
D	COLLECTION FROM PAGE .....PG/04	73,750	
E	COLLECTION FROM PAGE .....PG/05	249,950	
F	COLLECTION FROM PAGE .....PG/06	55,100	
	TOTAL FOR BILL NO.1 CARRIED TO GRAND SUMMARY.....KSH.	1,767,780	00

SUB-COUNTY WORK OFFICER
 KHWISERO SUB COUNTY
 P.O. BOX 24-50135 KHWISERO
 DATE 03/07/2023 SIGN. 

GROUND WATER TANK NO. 10-028 DEVELOPMENT AND MAINTENANCE

NO.	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
1	Excavation of tank foundation	1	sqm	150	150
2	Reinforcement for tank foundation	1	kg	100	100
3	Formwork for tank foundation	1	sqm	100	100
4	Concrete for tank foundation	1	cu m	100	100
5	Excavation of tank walls	1	sqm	150	150
6	Reinforcement for tank walls	1	kg	100	100
7	Formwork for tank walls	1	sqm	100	100
8	Concrete for tank walls	1	cu m	100	100
9	Excavation of tank floor	1	sqm	150	150
10	Reinforcement for tank floor	1	kg	100	100
11	Formwork for tank floor	1	sqm	100	100
12	Concrete for tank floor	1	cu m	100	100
13	Installation of tank cover	1	sqm	100	100
14	Painting of tank walls	1	sqm	100	100
15	Painting of tank floor	1	sqm	100	100
16	Installation of tank pipes	1	m	100	100
17	Installation of tank valves	1	no	100	100
18	Installation of tank gauges	1	no	100	100
19	Installation of tank pumps	1	no	100	100
20	Installation of tank filters	1	no	100	100
21	Installation of tank tanks	1	no	100	100
22	Installation of tank tanks	1	no	100	100
23	Installation of tank tanks	1	no	100	100
24	Installation of tank tanks	1	no	100	100
25	Installation of tank tanks	1	no	100	100
26	Installation of tank tanks	1	no	100	100
27	Installation of tank tanks	1	no	100	100
28	Installation of tank tanks	1	no	100	100
29	Installation of tank tanks	1	no	100	100
30	Installation of tank tanks	1	no	100	100

BILL NO. 3

GROUND WATER TANK

MEASURED WORKS.

GROUND WATER TANK AT NG-CDF OFFICES IN KHWISERO SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>GROUND WATER TANK</u>					
A	Excavate for tank base strip footing depth not exceeding 1.0m	7	CM	100	700
B	Return fill in and ram selected excavated materials around foundation in layers not exceeding 150 mm thick	5	CM	100	500
C	Load and cart away surplus excavated materials from site	2	CM	200	400
D	Allow for upholding sides of excavated materials from site	1	ITEM	1000	1,000
E	Allow for removal of water and or mud from excavations by pumping, bailing, or otherwise	1	ITEM	1000	1,000
Fillings					
F	Hand packed crushed stone hard-core well rolled and consolidated (300mm thick)	4	SM	400	1,600
G	50 mm thick approved murrum blinding to surface of hard-core finished to receive concrete slab	4	SM	200	800
<u>Mass concrete blinding mix 1:3:6</u>					
H	50mm thick blinding	7	SM	500	3,500
<u>vibrated reinforced concrete class 25/20 1:2:4-20 mm</u>					
<u>Aggregate as described in:-</u>					
J	Strip Footing	2	CM	9000	24,000
K	Concrete bed 150mm thick (curved Circular)	4	SM	5000	20,000
<u>Sawn Formwork as described to:-</u>					
L	Sides of strip foundation girth 100-200mm	2	LM	300	600
M	Sides of strip foundation girth 100-200mm curved	7	LM	300	2,100
N	Edges of floor slab 100 - 200 mm girth curved	7	LM	300	2,100
TOTAL CARRIED TO COLLECTION				Ksh.	68,300.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Reinforcement High Tensile Mild steel</u>				
	<u>Reinforcement to BS.4449 as described:-</u>				
A	8mm diameter bars	13	KGS	160	2,080
B	10mm Ditto	27	KGS	160	4,320
C	BRC Mesh type A98 in concrete bed	4	SM	100	400
	<u>Insecticide Treatment</u>				
D	Treat Surface of blinded hard-core with "Aldrex 48" or other equal and approved insecticide treatment with at least minimum guarantee of 10 years in accordance with the manufacturer's printed instructions	4	SM	100	400
	<u>Damp proofing</u>				
E	1000 gauge polythene sheeting damp proof membrane laid on treated blinded hard-core with 200 mm side and end laps (Measured net. No. allowance for laps)	4	SM	120	480
	<u>Walling</u>				
F	150 mm thick solid concrete or stone walling in cement and sand (1:3) mortar Reinforced with and including 20SWG x 25mm wide hoop iron in every Third course	39	SM	600	23,400
	<u>Plinth finishes</u>				
G	25mm thick cement and sand (1:3) rendering trowelled smooth to plinth walls	11.92	SM	225	2,682
TOTAL CARRIED TO COLLECTION			Ksh		33,762.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Testing Allow for testing the whole of the rainwater disposal installation to the satisfaction of the Architect and for replacing any defective work	1	ITEM	5,000	3,000
B	10,000 litres tank Supply and fix 10,000 litres plastic water tank as Roto or equivalent approved. Complete with all plumbing accessories and rain water harvesting fittings to approvals	1	NO	100,000	100,000
total carried to collection below				Kshs	103,000.00
COLLECTION					
Brought forward from page T/1				Ksh	68,300.00
Brought forward from page T/2				Ksh	33,762.00
Brought forward from above				Ksh	103,000.00
TOTAL CARRIED TO SUMMRY				Kshs	205,062.00

Sl. No.	Description of Work	Quantity	Rate	Amount
1	Provisional sum for... (faint text)	...	...	...
2	Provisional sum for... (faint text)	...	...	...
3	Provisional sum for... (faint text)	...	...	...
4	Provisional sum for... (faint text)	...	...	...

BILL No.4

P.C. AND PROVISIONAL SUMS

TOTAL P.C. AND PROVISIONAL SUMS CARRIED TO... (faint text)

ITEM	P. C. AND PROVISIONAL SUMS	KSHS	CTS
A	Allow a provisional sum of Kenya shillings Two Hundred Thousand only for Electrical Works	200,000	00
B	Allow a provisional sum of Kenya shillings One Hundred Thousand only for project supervision and documentation.	100,000	00
C	Allow a provisional sum of Kenya Shillings One Hundred and Twenty Thousand only for Contingency	120,000	00
D	Allow a provisional sum of Kenya shillings Two Hundred Thousand only repair of 2NO. Parking shades as directed by the project manager.	200,000	00
TOTAL FOR P.C. AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY..... Ksh.		620,000	00

GRAND SUMMARY

PROPOSED RENOVATIONS OF NG-CDF OFFICES IN KHWISERO SUB COUNTY

ITEM	DESCRIPTION	CONTRACTOR'S USE		OFFICIAL USE	
		SHS	CTS	SHS	CTS
A.	Bill No.1 – From page PG/03			1,767,780	00
B.	Bill No.3 From page T/3			205,062	00
C.	Bill No.4 From page PC/01			620,000	00
	SUB-TOTAL			2,592,842	00
	ADD VAT 16%			414,854	72
	TOTAL CARRIED.....KSH.			3,007,696	72

AMOUNT IN WORDS: THREE MILLION, SEVEN THOUSAND, SIX HUNDRED AND NINETY SIX AND SEVENTY TWO CENTS ONLY

CONTRACTOR'S FIRM:

ADDRESS:

SIGNATURE:

DATE:

WITNESS:

SIGNATURE:

ADDRESS:

DATE:

CLIENT'S NAME:

ADDRESS:

SIGNATURE:

DATE:

WITNESS:

SIGNATURE:

ADDRESS:

DATE:

SUB-COUNTY WORK OFFICER
KHWISERO SUB COUNTY
P.O. BOX 84-50135 KHWISERO
DATE 03/01/2023 SIGN [Signature]

G.S.