

REPUBLIC OF KENYA



**MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING
AND URBAN DEVELOPMENT**

State Department for Public Works

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR
OBER POLICE STATION IN UGENYA SUB-COUNTY**

BILL OF QUANTITIES

TENDER NO.: _____

CLIENT:
NG-CDF UGENYA

ISSUED BY:
COUNTY WORKS OFFICER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY QUANTITY SURVEYOR
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ELECTRICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ARCHITECT
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY MECHANICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY STRUCTURAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

COUNTY WORKS OFFICER
STATE DEPT. FOR PUBLIC WORKS
P.O. BOX 141 - 40600 SIAYA
SIGNATURE
14/2/24

FEBRUARY 2024

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	Disposal of water Keep excavations free from all water	ITEM	1	1,500.00	1,500.00
	Imported filling				
B	300mm Thick Crushed stone hardcore: deposited, spread, levelled and compacted in 150mm layers	CM	22	550.00	12,100.00
C	50mm Stone dust blinding to surfaces of hardcore	SM	73	250.00	18,250.00
	Anti-termite treatment "Gladiator TC" or equal approved chemical ant-termite treatment to subsoil or filling :with and including a ten year written warranty	SM	73	120.00	8,760.00
	In situ mass concrete class 15 (19 mm aggregates): 1:4:8 vibrated: to				
E	50 mm Blinding under strip foundations	SM	36	450.00	16,200.00
	In situ concrete class 20 (20 mm aggregate): vibrated: reinforced: in				
F	150mm Thick slab	SM	73	1,100.00	80,300.00
G	Strip foundation	CM	11	9,000.00	99,000.00
	Foundation Walling Rough dressed natural stones: in cement sand mortar (1:4)				
J	200mm Thick walls; and reinforced with 20 gauge hoop iron wall ties at every alternate courses	SM	72	1,200.00	86,400.00
	Carried to collection				
				Ksh	322,510.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAROBER POLICE STATION ISIOGENYA
SUB COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 02 WALLING AND RCC REINFORCED CONCRETE SUPERSTRUCTURE				
	In situ concrete class 25 (20 mm aggregate), vibrated, reinforced, in				
A	Ring beams	CM	4	9,000.00	36,000.00
	High yield square twisted bars to B.S. 4461, including bends, hooks and tying wire, (Provisional)				
B	8 mm Diameter bars	KG	125	150.00	18,750.00
C	12mm Diameter bars	KG	310	150.00	46,500.00
	Sawn formwork; one coat approved retarding agent; to				
D	Sides and soffits: Beams and ring beams	SM	45	300.00	13,500.00
	EXTERNAL & INTERNAL WALLING				
	Selected fine machine cut stone walling with a minimum of 7.0N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1,4)mortar to Architects approval				
E	200mm thick walling reinforced with 20gauge hoop iron at alternate courses	172	5M	1,300.00	223,600.00
	DPC Bituminous hessian base to BS 743 type A, or equal approved dpc 200mm wide				
F		70	1M	100.00	7,000.00
	TOTAL FOR WALLING CARRIED TO SUMMARY			KSHS	345,350.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO:03 ROOF</u>				
	<u>Structural timber to be sawn celcured cypress: The following in 6 No roof trusses spanning max 9200, @1500mm centres 3000mm high</u>				
A	150x50mm tie beams	LM	58	150.00	8,700.00
B	150x50mm king post	LM	14	150.00	2,100.00
C	150x50mm rafters	LM	74	150.00	11,100.00
E	75x50mm struts/ties	LM	60	150.00	9,000.00
F	75x50mm purlins nailed to rafters (m.s) battens	LM	88	150.00	13,200.00
G	100x50mm wall plate fixed with and including 12mm hoop irons at 1200 mm centers	LM	36	200.00	7,200.00
H	28gauge Versatile iron roofing sheets materials fixed on timber purlins(ms)	SM	103	1,300.00	133,900.00
I	Ditto ridge and hip caps	LM	11	450.00	4,950.00
J	225x25mm wrot fascia/arge boards	LM	23	350.00	8,050.00
L	Knot prime and stop prepare and apply 3 coats gloss oil pint to isolated timber surface girth 200-300mm	LM	23	150.00	3,450.00
M	100mm diameter down pipes	LM	6	550.00	3,300.00
	<u>Extra Over downpipe for:</u>				
N	Sawn neck	NO	2	500.00	1,000.00
O	Horse shoe end	NO	2	500.00	1,000.00
	Carried to collection			Ksh	206,950.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Extra Over downpipe for:</u>				
A	Bend	NO	2	450.00	900.00
B	150x150 mettalic box gutter	LM	23	650.00	14,950.00
C	Out let in box gutter	NO	2	550.00	1,100.00
D	Extra Over gutters for Corner ends	NO	2	550.00	1,100.00
E	Prepare and apply three coats of glosss paint to metal surfaces	LM	23	150.00	3,450.00
F	Allow for testing the whole of rainwater disposal installation to the satisfaction of the architect and for replacing any defective work at contractors costs	ITEM	1	1,500.00	1,500.00
	Carried to collection			Ksh	23,000.00
	<u>COLLECTION</u>				
	Total From page:1/5			Ksh	206,950.00
	Total From above			Ksh	23,000.00
	TOTAL FOR ROOFING CARRIED TO SUMMARY			Ksh	229,950.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAROBER POLICE STATION IN UGENYA
SUB COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO:04				
	DOORS				
	panel Single Door				
	45mm thick panel single door overall size 900x2400mm high,200mm stiles,tops,middle and bottom rails.	3	NO	5,000.00	15,000.00
A					
	Flush doors as B.S 459				
	45mm overal size 900x2400mm high thick semi solid core flush door faced both sides and transom	3	NO	6,500.00	19,500.00
B					
	Wrot Mahogany or other equal and approved				
	150x50mm frame with two labours plugged	7	LM	1,000.00	7,000.00
C					
	100x50mm frame with two labours plugged	21	LM	1,000.00	21,000.00
D					
	45x38mm architrave	21	LM	150.00	3,150.00
E					
	25mm diameter quadrant	21	LM	100.00	2,100.00
F					
	Supply and fix the following ironmongery with screws to match				
	3-Lever mortice lock&furniture Ref. Union 2295	3	NO	3,000.00	9,000.00
G					
	100mm Brass butts hinges	3	PRS	400.00	1,200.00
H					
	40mm Diameter rubber door stops	3	NO	100.00	300.00
I					
	TOTAL FOR DOORS CARRIED TO SUMMARY			Ksh	90,250.00

PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>WINDOWS</u>				
	Supply, assemble and fix the following purpose made steel casements fabricated from standard dimensioned 'z' and 'I' sections, complete with all the necessary coupling mullions and transomes: building in lugs to jambs, plugging and screwing to head and cill: with and including mosquito wire gauze p.v: bedding all round in cement and sand mortar, pointing one side in mastic: oiling casing and adjusting, iron mongery with and including 25 mm Thick mild steel square bars: spaced at 150 mm and 200 mm vertically and horizontally respectively; welded connections; One coat red oxide primer: to				
A	Window size 1500 x 1500 mm High with 2No. Openable sliding leaves size 450 x 1600mm high respectively .	NO	3	9,000.00	27,000.00
B	Window size 600 x 1500 mm High with 2No. Openable sliding leaves size 750 x 1600mm high respectively .	NO	3	5,500.00	16,500.00
C	Window size 600 x 900 mm High, Openable top hung	NO	2	2,000.00	4,000.00
	Carried to collection			Ksh	47,500.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	6mm Thick clear sheet glass and glazing to metal with putty In panes not exceeding 0.1 square metres	SM	10	1,000.00	10,000.00
B	Precast concrete units class 20 (19 mm aggregates): vibrated: reinforced with 2 No. 6mm diameter steel bars 265 x 75 mm Thick weathered and throated window eill: fairfaced on exposed surfaces: bedded jointed and pointed in cement and sand(1:4) mortar	LM	9	800.00	7,200.00
C	Prepare, touch up primer and apply three coats gloss oil paint: on metal: to General surfaces: grilles (measured flat overall)	SM	10	300.00	3,000.00
D	Windows: ditto	SM	10	300.00	3,000.00
	Carried to collection			Ksh	23,200.00
	COLLECTION				
	Total From page:1 8				47,500.00
	From above:				23,200.00
	TOTAL FOR WINDOWS CARRIED TO SUMMARY			Ksh	70,700.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 6				
	WALL FINISHES				
	<u>Cement and sand (1:4) externally:</u>				
A	15 mm Plaster applied externally in two coats: wood floated to walls above ring beams and beams externally	SM	123	300.00	36,900.00
	<u>Key pointing</u>				
	Extra over walling for finishing one side with struck and horizontal keyed and flush vertical joints as per architect detail drawing	SM	123	200.00	24,600.00
B	Door jambs and window reveals 100-200mm girth <u>INTERNAL LIME PLASTER: first coat of cement lime and sand (1:2:9) second coat of cement, lime and sand (1:1:6) steel trowelled smooth</u>	LM	51	150.00	7,650.00
C	15 mm Thick two coat plaster to walls: internally	SM	208	300.00	62,400.00
	<u>Prepare and apply one mist coat and three coats of prime grade Silk Vinyl Emulsion paint internally on.</u>				
D	Plastered surfaces	SM	208	300.00	62,400.00
E	Ditto to door jambs and window reveals 100-200mm girth	LM	51	150.00	7,650.00
	<u>Prepare and apply one undercoat and two coats of first grade weather resistant gloss oil paint</u>				
F	Rendered surfaces	SM	123	300.00	36,900.00
				Ksh	238,500.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>CEILING FINISHES</u>					
A	12mm chipboards soffit lining with "V" joints	SM	73	640.00	46,720.00
B	75x50 timber bandering	LM	129	200.00	25,800.00
C	50x50 ditto	LM	129	150.00	19,350.00
D	Ditto 100 x 25mm moulded cornice	LM	70	150.00	10,500.00
E	Pvc t and g in eaves including 75x50 and 50x50 timber bandering	SM	10	800.00	8,000.00
F	Extra over for forming 600x600mm access panel including 50x50mm softwood framing all round, fixing with chromium plated screws and cup washers	NO	3	600.00	1,800.00
G	Prepare and apply one undercoat and two finishing coats of first quality plastic emulsion paint to general surfaces of ceiling	SM	73	300.00	21,900.00
<u>FLOOR FINISHES</u>					
<u>Cement and sand (1:4): in</u>					
H	25 mm Backing: finished to receive floor tiles (m.s)	SM	73	400.00	29,200.00
Carried to collection				Ksh	163,270.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>300 x 300 x 10 mm Thick first quality, ceramic floor tiles on screeded backings (m/s): bedded and jointed in approved colour cement grout: pointed to:</u>				
A	Floors	SM	73	1,500.00	109,500.00
B	8mm Thick x 100 mm high Skirting	LM	69	200.00	13,800.00
	Carried to collection			Ksh	123,300.00
	<u>COLLECTION</u>				
	From page:1/11				238,500.00
	From page:1/12				163,270.00
	From above				123,300.00
	TOTAL FOR FINISHES CARRIED TO SUMMARY			KSHS	525,070.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.7				
	<u>PROVISIONAL SUMS</u>				
A	Provide provisional sum of ksh 150,000 for electricals works an reticulation				150,000.00
B	Allow Provisinal Sum of Kenya Shillings Two Hundred Thousand Shillings (Kshs 250,000) only for Mechanical Installation Works(plumbing works to kitchen and washroom and istallation of washroom cistern,WC and shower)				200,000.00
C	Allow Provisional sum of Kenya shillings (300,000) for construction of septic tank and soakage pit				300,000.00
D	Supply and fix worktop sink equipped with bip taps at the kitchen	NO	4	4,500.00	18,000.00
E	Allow for construction of kitchen worktop	NO	3	20,000.00	60,000.00
TOTAL FOR PROVISIONAL SUMS CARRIED TO SUMMARY				KSHS	728,000.00

**PROPOSED CONSTRUCTION OF SERVANT QUARTERS IN BAR OBER POLICE STATION IN UGENYA
SUB-COUNTY**

GRAND SUMMARY		AMOUNT
	SUMMARY	
1	TOTAL FOR ELEMENT NO: 1(SUBSTRUCTURE)	584,510.00
2	TOTAL FOR ELEMENT NO:2(WALLING)	345,350.00
3	TOTAL FOR ELEMENT NO:3(ROOFING)	229,950.00
4	TOTAL FOR ELEMENT NO:4(DOORS)	90,250.00
5	TOTAL FOR ELEMENT NO:5(WINDOWS)	70,700.00
6	TOTAL FOR ELEMENT NO:6(FINISHES)	525,070.00
	TOTAL FOR BUILDERS WORK	1,845,830.00
	TOTAL FOR ELEMENT NO.7(PROVISIONAL SUMS)	728,000.00
	SUB-TOTAL NO.2	2,573,830.00
	ADD 5% CONTIGENCY	128,691.50
	ADD 5% PROJECT SUPERVISION/PMC	128,691.50
	TOTAL FOR SERVANT QUARTERS CARRIED TO TENDER(V.A.T INCLUSIVE)	2,831,213.00

COUNTY WORKS OFFICER
 MINISTRY OF PUBLIC WORKS
 P.O. BOX 803 SIAYA
 DATE--11/2/20


REPUBLIC OF KENYA



**MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING
AND URBAN DEVELOPMENT**

State Department for Public Works

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT
ST. ANNE'S SEGA GIRLS IN UGENYA SUB-COUNTY**

BILL OF QUANTITIES

TENDER NO.: _____

CLIENT:
NG-CDF UGENYA

ISSUED BY:
COUNTY WORKS OFFICER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY QUANTITY SURVEYOR
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ELECTRICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
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COUNTY ARCHITECT
STATE DEPT. FOR PUBLIC WORKS
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COUNTY MECHANICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY STRUCTURAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 883 SIAYA
DATE: 14/02/24

FEBRUARY 2024

PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.01</u>				
	<u>SUBSTRUCTURES (PROVISIONAL)</u>				
	<u>Site preparation</u>				
	<u>Excavation</u>				
A	Clear site of all vegetation, small bushes, scrubs and undergrowth; grub up roots and including disposing appropriately or as directed	SM	247	80.00	19,760.00
B	Excavate to remove vegetable soil average 150 mm deep: and remove from site	SM	155	100.00	15,500.00
C	Excavate to reduce levels not exceeding 300mm deep from stripped level	CM	20	300.00	6,000.00
D	Excavate pit for column bases not exceeding 1.5 m deep starting from the reduced level	CM	65	300.00	19,500.00
E	Excavate trenches for strip foundation not exceeding 1.5m deep starting from the reduced level	CM	59	300.00	17,700.00
F	Extra over for excavation in rocks	CM	4	800.00	3,200.00
	<u>Disposal of excavated material</u>				
G	Remove surplus spoil from site and deposit in permanent spoil heaps at a site to be agreed with the Local Authority	CM	85	250.00	21,250.00
H	Backfill and compact selected excavated material around foundations or within the site	CM	64	250.00	16,000.00
	<u>Planking and strutting</u>				
I	Planking and strutting to sides of all excavations: keep excavations free from all fallen materials	ITEM	1	10,000.00	10,000.00
	<u>Carried to collection</u>				
				Ksh	128,910.00

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 803 SIAYA
DATE: 14/12/24 SIGN.


**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>Disposal of water</u> Keep excavations free from all water	ITEM	1	10,000.00	10,000.00
B	300 mm thick hardcore hand packed compacted in layers of 150mm thick	CM	47	500.00	23,500.00
C	50mm Stone dust blinding to surfaces of hardcore	SM	155	250.00	38,750.00
<u>Anti-termite treatment</u>					
D	"Gladiator TC" or equal approved chemical ant-termite treatment to subsoil or filling :with and including a ten year written warranty	SM	155	200.00	31,000.00
E	B.R.C reinforcement mesh ref. A 142	SM	155	500.00	77,500.00
<u>Weak concrete 1:4:8</u>					
F	Under strip foundations	SM	66	600.00	39,600.00
G	Ditto under Column bases	SM	38	600.00	22,800.00
<u>In situ concrete class 25 (20 mm aggregate): vibrated: reinforced: in</u>					
H	150mm Thick slab	SM	155	1,300.00	201,500.00
I	Column bases	CM	30	10,000.00	300,000.00
J	Strip foundation	CM	20	10,000.00	180,000.00
K	Sub-structure columns	CM	4	10,000.00	40,000.00
<u>Foundation Walling</u>					
<u>Rough dressed natural stones: in cement sand mortar (1:4)</u>					
L	200mm Thick walls; and reinforced with 20 gauge hoop iron wall ties at every alternate courses	SM	132	1,500.00	198,000.00
<u>Sawn formwork: one coat approved retarding agent: to</u>					
L	Vertical sides of columns/Strip	SM	185	580.00	107,300.00
M	Edges of floor slab exceeding 75 mm but not exceeding 150 mm height	SM	65	200.00	13,000.00
<u>Plinth</u>					
N	15 mm cement and sand (1:4) render on concrete or stonework: applied in two equal coats	SM	20	350.00	7,000.00
O	Prepare and apply three coats of first grade bituminous paint on rendered plinth	SM	20	300.00	6,000.00
TOTAL CARRIED TO COLLECTION					1,295,950.00
COLLECTION					
Brought from page 1					128,910.00
Brought from page Above					1,295,950.00
<u>TOTAL SUB-STRUCTRE CARRIED TO SUMMARY</u>					
				Ksh	1,424,860.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.2				
	<u>WORKTOPS TO KITCHEN</u>				
	Insitu concrete; reinforced; class 20/(20mm); vibrated in				
A	100mm conc suspended worktop	SM	3	1,200.00	3,600.00
B	50mm thick concrete to plinth	SM	2	1,200.00	2,400.00
C	100mm thick concrete blocks ditto in worktops walling	SM	2	1,200.00	2,400.00
D	12mm thick plaster to work top walls	SM	4	300.00	1,200.00
E	25mm thick screed to receive tiles on worktops	SM	3	380.00	1,140.00
F	200X300X6mm ceramic thick tiles on worktops	SM	3	2,000.00	6,000.00
	<u>Reinforcement</u>				
	<u>Bars; high yield steel: cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
G	Of assorted bars	KG	45	200.00	9,000.00
	Sawn formwork to insitu concrete as described:-				
H	To soffits of worktops	SM	3	300.00	900.00
I	Edges of suspended slab 75 to 150mm wide	LM	5	150.00	750.00
J	Ditto to plinths 75 to 150mm wide	LM	2	150.00	300.00
K	Supply and fix metal Double sink Equipped with faucet to worktops	NO	1	6000	6,000.00
	<u>FIXING OF HANGING WARDROBE</u>				
	<u>FIXTURES & FITTINGS</u>				
	Shelves for filling				
A	19mm thick blockboard wall cladding veneered to sides in MDF.	SM	8	1,800.00	14,400.00
B	19 x 25mm MDF lipping to edges of ditto.	LM	11	150.00	1,650.00
C	25mm thick blockboard to shelves veneered;both sides in MDF	SM	2	2,100.00	4,200.00
D	25 x 25mm lipping to edges of ditto.	LM	3	150.00	450.00
E	Approved cupboard 4 lever lock.	NO	3	600.00	1,800.00
F	Ditto p.v.c ball catches.	NO	3	150.00	450.00
G	Ditto cupboard door handle knob.	NO	3	450.00	1,350.00
H	Ditto pianno hinges.	NO	3	200.00	600.00
	TOTAL FOR WORKTOPS TO KITCHEN TAKEN TO SUMMARY				58,590.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 03				
	REINFORCED CONCRETE SUPERSTRUCTURE				
	<u>In situ concrete class 25 (20 mm aggregate): vibrated:reinforced: in</u>				
A	Columns	CM	19	13,000.00	247,000.00
B	Beams	CM	20	13,000.00	260,000.00
C	150 mm thick suspended floor slabs	SM	155	1,300.00	201,500.00
	<u>High yield square twisted bars to B.S. 4461: including bends, hooks and tying wire: (Provisional)</u>				
D	8 mm Diameter bars	KG	620	200.00	124,000.00
E	10 mm Diameter bars	KG	1,240	200.00	248,000.00
F	12mm Diameter bars	KG	1,860	200.00	372,000.00
G	16mm Diameter bars	KG	2,480	200.00	496,000.00
	<u>Sawn formwork: one coat approved retarding agent: to</u>				
I	Sides and soffites: Beams and ring beams	SM	208	200.00	41,600.00
J	Vertical sides of columns	SM	216	200.00	43,200.00
K	Soffites of suspended slabs	SM	155	200.00	31,000.00
L	Edges of floor slab exceeding 75 mm but not exceeding 150 mm height	LM	63	200.00	12,600.00
	TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURES TAKEN TO SUMMARY				2,076,900.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 4				
	STAIRCASE				
	STAIRCASES (4NO. FLIGHTS)				
	In situ concrete: class 20 (20 mm aggregate): vibrated: reinforced				
A	Staircases	CM	12	13,000.00	156,000.00
B	Landings	SM	5	1,300.00	6,500.00
	High yield square twisted bar reinforcement to BS 4461				
C	12 mm Diameter bars	KG	110	200.00	22,000.00
D	8 mm Diameter bars	KG	90	200.00	18,000.00
	Steel / sawn Softwood Formwork: to				
E	Sloping soffits of staircases	SM	13	200.00	2,600.00
F	Vertical risers: over 75 but not exceeding 150 mm wide	LM	12	100.00	1,200.00
G	Ditto: Edges of Landings	LM	6	100.00	600.00
H	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	LM	12	100.00	1,200.00
I	Soffits: Suspended Landings	SM	5	200.00	1,000.00
	Carried to collection			KSHS	209,100.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KSHS)	AMOUNT (KSHS)
	600 x 600 x 10mm Thick polished non-slip ceramic tiles on screeded beds				
A	Landings	SM	5	1,800.00	9,000.00
B	300 mm Wide treads with 3mm deep groove for non-slip : bullnose front	LM	25	400.00	10,000.00
C	150 mm high risers	LM	12	300.00	3,600.00
D	10mm Thick x 150 mm high skirting: with rounded top and coved junction with floor	LM	31	300.00	9,300.00
E	Ditto: labour item for raking to profile of treads and risers	LM	37	100.00	3,700.00
	12 mm Thick lime plaster: steel trowelled: on concrete or blockwork: to				
F	Horizontal soffits: Landings	SM	5	250.00	1,250.00
G	Slopping soffits: staircases	SM	13	250.00	3,250.00
H	Sides: sloping staircase strings	SM	7	250.00	1,750.00
I	Vertical: edges of landings 150mm high	LM	6	200.00	1,200.00
	Prepare and apply three coats first grade matt emulsion paint or equal and approved paint: on plastered surfaces: to:				
J	Soffits: Landings	SM	5	200.00	1,000.00
K	Ditto: slopping staircases	SM	13	200.00	2,600.00
L	Sides: sloping staircase strings	SM	19	200.00	3,800.00
M	Vertical: edges of landings 150mm high	LM	6	200.00	1,200.00
	Carried to collection			KSHS	51,650.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KSHS)	AMOUNT (KSHS)
	30 mm Thick Cement and sand screeded beds on concrete: to				
A	Landings: finished to receive granito tiles	SM	5	300.00	1,500.00
B	Ditto: 300 mm wide treads: ditto	LM	25	100.00	2,500.00
C	Ditto: 150 mm risers: ditto	LM	12	100.00	1,200.00
	STAIRCASE BALUSTRADING				
	General Joinery: wrot mahogany: selected and kept clean				
D	75 mm Diameter half round handrail welded to balusters	LM	6	400.00	2,400.00
E	Ditto: 75mm diameter half round handrail: fixed to wall at 600mm centres with 12 mm diameter x 150 mm long brack	LM	15	400.00	6,000.00
	Mild steel in bars, sections and plates: with one coat two-pack epoxy zinc chromate primer before fixing or equal and approved as described in:				
F	25 mm Diameter x 3mm thick middle & bottom rails; at 450mm centres; welded to balusters at 200mm centres	LM	12	400.00	4,800.00
G	50 mm Diameter x 3mm thick intermediate balusters 1050 mm long: top end welded to handrail; bottom end (150mm long) cranked and built into mortice concrete; fixed with 65 mm diameter mild steel plate complete with 4No. 5mm diameter screw holes & screws; 50mm diameter galvanised steel receptacle with 15mm flange for screws grouted into floors.	NO	27	400.00	10,800.00
	Prepare and apply one undercoat and two finishing coats of first grade two pack epoxy paint or equal and approved paint: as described in				
H	Surfaces: over 100 but not exceeding 200 mm girth	LM	54	60.00	3,240.00
	Prepare and apply three coats first grade polyurethane clear varnish: on wood: to				
I	Surfaces: not exceeding 100 mm girth	LM	21	60.00	1,260.00
	Carried to Collection			KSHS	33,700.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KSHS)	AMOUNT (KSHS)
BALCONY & TERRACE BALUSTRADING					
Mild steel in bars, sections and plates: with one coat two-pack epoxy zinc chromate primer before fixing or equal and approved as described in:					
A	25mm diameter x 3mm thick handrail: welded to vertical balusters at 500mm centres and fixed to wall on both ends with 12mm diameter x 150 mm long brackets	LM	19	400.00	7,600.00
B	Ditto: Middle and Bottom rail	LM	38	400.00	15,200.00
C	25 mm Diameter x 3mm thick C.H.S members running daigonally and vertically: top end welded to handrail; bottom end welded to bottom rail; one end (150mm long) of intermediate members at 900mm centres cranked and built into mortice concrete; fixed with 65 mm diameter mild steel plate complete with 4No. 5mm diameter screw holes & screws; 50mm diameter galvanised steel receptacle with 15mm flange for screws grouted into floors.	LM	95	200.00	19,000.00
Prepare and apply one undercoat and two finishing coats of first grade two pack epoxy paint or equal and approved paint: as described in					
D	Metal surfaces: not exceeding 200 mm girth Carried to Collection	LM	153	60.00 KSHS	9,180.00 50,980.00
<u>COLLECTION</u>					
PAGE NO. 5					209,100.00
PAGE NO. 6					51,650.00
PAGE NO. 7					33,700.00
PAGE NO. 8					50,980.00
<u>TOTAL CARRIED TO SUMMARY</u>					KSHS 345,430.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO. 05</u>				
	<u>WALLING</u>				
	<u>EXTERNAL WALLING</u>				
	<u>Selected fine machine cut stone walling with a minimum of 7.0N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4)mortar to Architects approval</u>				
A	200mm thick walling ;reinforced with 20gauge hoop iron at alternate courses	SM	221	1,600.00	353,600.00
B	Extra over walling for pointing on masonsry walling horizontal recessed and flush vertical joints	SM	221	200.00	44,200.00
	<u>DPC</u>				
	<u>Bituminous hessian base to BS 743 type A;or equal approved dpc</u>				
C	200mm wide	LM	101	100.00	10,100.00
	<u>INTERNAL WALLING</u>				
	<u>150mm thick brick walling ;reinforced with 20gauge hoop iron at alternate courses</u>				
D		SM	135	1,800.00	243,000.00
	<u>DPC</u>				
	<u>Bituminous hessian base to BS 743 type A;or equal approved dpc</u>				
E	200mm wide	LM	57	100.00	5,700.00
	<u>TOTAL EXTERNAL AND INTERNAL WALLING CARRIED TO SUMMARY</u>				
				Ksh	<u>656,600.00</u>

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO:06 ROOF				
	<u>Structural timber to be sawn celeured cypress or equally approved</u>				
	The following in 22 No roof trusses spanning 1500mm 6000mm high all to structural Eng.details				
A	100x50mm tie beams	LM	78	200.00	15,600.00
B	100x50mm rafters	LM	92	200.00	18,400.00
C	Ditto hip rafters	LM	30	200.00	6,000.00
D	Ditto valley rafters	LM	8	200.00	1,600.00
E	75x50mm struts/ties	LM	121	200.00	24,200.00
F	75x50mm purlins nailed to rafters (m.s)	LM	145	200.00	29,000.00
G	100x50mm wall plate fixed with and including 12mm hoop irons at 1200 mm centers	LM	71	200.00	14,200.00
H	30 gauge prepainted box profile roofing sheets fixed to purlins(m.s)	SM	158	1,500.00	237,000.00
I	Ditto ridge caps	LM	28	250.00	7,000.00
	TOTAL TO COLLECTION				353,000.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ROOF WORK CONTND					
A	225x25mm wrot fascia/varge boards	LM	92	200.00	18,400.00
B	Knot prime and stop prepare and apply 3 coats gloss oil pint to isolated timber surface girth 200-300mm 28guage galvanised iron	LM	92	200.00	18,400.00
C	200x100mm boxed gutter jointed at straight joints and fixed with metal brackets at 1200mm(minimum) centers	LM	61	400.00	24,400.00
<u>Extra Over gutters for</u>					
D	Corner ends	NO	4	300.00	1,200.00
E	Spigot	NO	4	300.00	1,200.00
F	100mm diameter down pipes	LM	36	300.00	10,800.00
<u>Extra Over downpipe for:</u>					
G	Sawn neck	NO	4	600.00	2,400.00
H	Horse shoe end	NO	4	600.00	2,400.00
Total collection below					79,200.00
<u>COLLECTION</u>					
TOTAL FROM PAGE 10					353,000.00
TOTAL FROM ABOVE					79,200.00
<u>TOTAL ROOFWORKS CARRIED TO SUMMARY</u>					432,200.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>DOORS</u>				
A	Double semi core door; overall size 1500 x 2400 mm high; comprising iron mongery with 6mm thick tinted glass transome fanlight overall size 1500 x300mm	NO	2	15,000.00	30,000.00
B	45mm thick semi solid core flush door size 900mm x2400mm faced both sides with 6mm interior quality Plywood ready for painting	NO	13	6,000.00	78,000.00
	<u>Carried to collection</u>			Ksh	108,000.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>DOORS (CONTINUED)</u>				
	<u>Wrot Mahogany or other equal and approved</u>				
A	100x50mm frame with two labours plugged	LM	86	1,100.00	94,600.00
B	45x38mm architrave	LM	86	150.00	12,900.00
C	25mm diameter quadrant	LM	86	100.00	8,600.00
	<u>Supply and fix the following ironmongery with screws to match</u>				
D	3-Lever mortice lock&furniture Ref. Union 2295	NO	13	3,000.00	39,000.00
E	100mm Brass butts hinges	PRS	13	400.00	5,200.00
F	40mm Diameter rubber door stops	NO	13	100.00	1,300.00
G	Prepare and apply three coats wood preservative primer to backs of timber frame not exceeding 100mm girth	LM	86	200.00	17,200.00
	<u>Knot,prime,prepare and apply three coats glossoil paint to:</u>				
H	General surfaces of timber	SM	50	200.00	10,000.00
					188,800.00
	<u>COLLECTION</u>				
	TOTAL FROM PAGE 12				108,000.00
	TOTAL FROM ABOVE				188,800.00
	<u>TOTAL FOR DOORS CARRIED TO SUMMARY</u>				
				Ksh	296,800.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 8				
	WINDOWS				
	STEEL CASEMENT				
	<u>Supply, assemble and fix:alluminium sliding windows as Architects drawing: including 8 mm thick one way glass fixed with and including fixing beads: plugged screwed to concrete or blockwork: including ironmongery and accessories to Architects schedule</u>				
A	Window size 1800 x 1500 mm	NO	5	10,000.00	50,000.00
B	Window size 1500 x 1200 mm	NO	2	7,000.00	14,000.00
C	Window size 1500 x 1500 mm	NO	3	8,100.00	24,300.00
D	Window size 900 x 1500 mm	NO	6	5,000.00	30,000.00
E	Window size 600 x 700 mm	NO	4	2,200.00	8,800.00
F	Window size 850 x 1400 mm	NO	1	4,900.00	4,900.00
G	Window size 600 x 3750 mm	NO	2	8,200.00	16,400.00
H	Window size 1200 x 700 mm	NO	1	3,000.00	3,000.00
C	275x100mm P.C window cill bedding in cement /sand (1:4) mortar	LM	75	900.00	67,500.00
	<u>Curtain rails</u>				
D	20mm Diameter Chrome plated curtain rods	LM	75	250.00	18,750.00
	TOTAL FOR WINDOWS CARRIED TO SUMMARY			Ksh	237,650.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 9 FINISHES WALL FINISHES				
	<u>Cement and sand (1:4) externally:</u>				
A	15 mm Plaster applied externally in two coats: wood floated to ,exposed columns and beams	SM	221	300.00	66,300.00
	<u>INTERNAL LIME PLASTER: first coat of cement lime and sand (1:2:9): second coat of cement, lime and sand (1:1:6) steel trowelled smooth</u>				
B	15 mm Thick two coat plaster to walls: internally	SM	491	300.00	147,300.00
	<u>Prepare and apply one mist coat and three coats of prime grade Silk Vinyl Emulsion paint internally on.</u>				
C	Plastered surfaces	SM	491	300.00	147,300.00
	<u>Prepare and apply one undercoat and two coats of first grade weather resistant gloss oil paint</u>				
D	Rendered surfaces	SM	221	300.00	66,300.00
	<u>12mm thick gauged lime (1:2:9) plaster to:-</u>				
E	Beams (Internally& externally)	SM	202	300.00	60,600.00
F	Columns (internally & externally)	SM	67	300.00	20,100.00
	<u>Prepare and apply three coats of first grade silk</u>				
G	Beams (Internally& externally)	SM	202	350.00	70,700.00
H	Columns (internally & externally)	SM	67	300.00	20,100.00
	TOTAL FOR FINISHES CARRIED TO COLLECTION				598,700.00

598,700.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>CEILING FINISHES</u>				
	<u>INTERNAL LIME PLASTER: first coat of cement lime and sand (1:2:9): second coat of cement, lime putty</u>				
B	12 mm Thick two coat plaster to soffites of suspended slab	SM	155	300.00	46,500.00
C	Celotex ceiling board fixed on timber bandering	SM	314	1,200.00	376,800.00
D	75x50 timber bandering both ways	LM	980	250.00	245,000.00
E	Ditto 100 x 25mm moulded cornice	LM	184	400.00	73,600.00
F	Extra-over in forming access panels	NO	3	600.00	1,800.00
	<u>FLOOR FINISHES</u>				
	<u>tile finish</u>				
G	Cement and sand (1:3) screed on concrete floors 42mm thick to receive ceramic floor tiles	SM	295	400.00	118,000.00
H	300X300mm thick ceramic tile to screeded floor	SM	295	2,000.00	590,000.00
I	300X300mm non-slip tiles to washrooms	SM	4	1,500.00	6,000.00
J	150mm high tile skirting	LM	184	350.00	64,400.00
K	Cement and sand (1:3) screed on concrete floors 15mm thick to receive ceramic wall bathroom tiles	SM	10	400.00	4,000.00
L	150X150mm thick ceramic tile to screeded wall	SM	10	1,500.00	15,000.00
M	150mm high tile skirting	LM	7	350.00	2,450.00
	Carried to collection				1,451,700.00
	<u>COLLECTION</u>				
	From page:16				598,700.00
	From above				1,451,700.00
	TOTAL FOR FINISHES CARRIED TO SUMMARY			Ksh	2,050,400.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ELEMENT NO.10 PROVISIONAL SUMS					
A	Provide provisional sum of ksh 700,000 for electricals works installation and reticulation				700,000.00
B	Allow for Ksh.150,000 for Mechanical Installations This shall include purchase and installation of fire extinguishers,internal plumbing ,sanitary fittings				150,000.00
TOTAL FOR PROVISIONAL SUMS CARRIED TO SUMMARY					850,000.00

**PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY**

GRAND SUMMARY					AMOUNT
	SUMMARY				
1	TOTAL FOR ELEMENT NO: 1(SUBSTRUCTURE)				1,424,860.00
2	TOTAL FOR ELEMENT NO:2(WORKTOP TO KITCHEN)				58,590.00
3	TOTAL FOR ELEMENT NO:3(CONCRETE FRAMES)				2,076,900.00
4	TOTAL FOR ELEMENT NO:4(STAIRCASE)				345,430.00
5	TOTAL FOR ELEMENT NO:5(WALLING)				656,600.00
6	TOTAL FOR ELEMENT NO:6(ROOFING)				432,200.00
7	TOTAL FOR ELEMENT NO:7(DOORS)				296,800.00
8	TOTAL FOR ELEMENT NO:8(WINDOWS)				237,650.00
9	TOTAL FOR ELEMENT NO:9(FINISHES)				2,050,400.00
10	TOTAL FOR ELEMENT NO:9(PROVISIONAL SUMS)				850,000.00
	SUBTOTAL 1				8,429,430.00
	Allow for supervisory and pmc fee(5%)				421,471.50
	Allow contingency sum of 5%				421,471.50
	SUBTOTAL 3				9,272,373.00
	ADD 16% V.A.T				1,483,579.68
	SUB-TOTAL N0.4				10,755,952.68
	TOTAL CARRIED TO FORM OF TENDER				10,755,952.68

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 803 SIAYA
DATE: 14/12/24 SIGN: [Signature]

PROPOSED CONSTRUCTION OF ADMINISTRATION BLOCK AT ST ANNE'S SEGA GIRLS SECONDARY SCHOOL IN
UGENYA SUB-COUNTY

EMPLOYER
CONTRACTOR

NAME.....

NAME.....

.....

.....

SIGNATURE.....

SIGNATURE.....

WITNESS.....

WITNESS.....

.....

.....

DATE.....

DATE.....

REPUBLIC OF KENYA



MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING
AND URBAN DEVELOPMENT

State Department for Public Works

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY
COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

BILL OF QUANTITIES

TENDER NO.: _____

CLIENT:
NG-CDF UGENYA

ISSUED BY:
COUNTY WORKS OFFICER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY QUANTITY SURVEYOR
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ELECTRICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ARCHITECT
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY MECHANICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY STRUCTURAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 803 SIAYA
DATE: 14/2/24

FEBRUARY 2024

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.1				
	SUBSTRUCTURE				
A	Clear site of small scrubs,Excavate oversite average 200mm deep and cart away	68	SM	80.00	5,440.00
B	Excavate vegetable soil average 200mm deep and cart away as directed	55	SM	120.00	6,600.00
C	Excavate foundation to reduce levels	7	CM	350.00	2,450.00
D	Excavate for column bases	1	CM	350.00	350.00
E	Excavate for foundation strip	14	CM	350.00	4,900.00
F	Erra over excavation to rocks of all classes	2	CM	600.00	1,200.00
G	Return,fill and ram	8	CM	180.00	1,440.00
H	Load cart away surplus excavated materials	17	CM	350.00	5,950.00
I	300mm Thick approved hardcore filling	12	CM	550.00	6,600.00
J	50mm thick murrum blinding onto hardcore surfaces	39	SM	280.00	10,920.00
K	Gladiator TC or equal approved chemical ant-termite treatment to subsoil or filling :with and including a ten year written warranty	55	SM	100.00	5,500.00
L	500gauge polythene sheets laid on prepared bed ready to receive concrete floor slab(m.s)	55	SM	250.00	13,750.00
M	A142 BRC fabric mesh reinforcement	55	SM	480.00	26,400.00
N	water disposal from the excavation	1	ITEM		1,500.00
O	Planking and strutting	1	ITEM		1,500.00
	CONCRETE WORKS				
P	500mm thick 1:3:6/30mm concrete blinding in column bases/strips	25	SM	480.00	12,000.00
	1:2:4/20mm vibrated reinforced concrete in:-				
Q	Column bases	0.5	CM	10,000.00	5,000.00
R	Strip foundation	5	CM	10,000.00	50,000.00
S	125mm thick floor slab	55	SM	1,300.00	71,500.00
T	Sub-structure columns	0.03	CM	10,000.00	300.00
U	Entrance steps	0.1	CM	10,000.00	1,000.00
	Foundation Walling				
	<u>Rough dressed natural stones: in cement sand mortar (1:4)</u>				
V	200mm Thick walls; and reinforced with 20 gauge hoop iron wall ties at every alternate courses	36	SM	1,500.00	54,000.00
	CARRIED TO COLLECTION				288,300.00

COUNTY WORKS OFFICER
 MINISTRY OF PUBLIC WORKS
 P.O. BOX 803 SIAYA
 DATE: 14/2/24

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE (CONTINUED)</u>				
	<u>Sawn formwork to:</u>				
A	Column bases strips	26	SM	560.00	14,560.00
B	Foundation Column	1	SM	560.00	560.00
C	Edges of floor bed 75-150mm high	23	LM	180.00	4,140.00
	<u>The following high tensile stress steel reinforcement B.S.4461 including cutting to length, bending, hoisting and fixing including all necessary tying wires and sacing blocks (all provisional)</u>				
D	8mm Diameter bars	210	KG	200.00	42,000.00
E	10mm Ditto	420	KG	200.00	84,000.00
	<u>Plinth</u>				
F	15 mm cement and sand (1:4) render on concrete or stonework: applied in two equal coats	9	SM	350.00	3,150.00
G	Prepare apply 3 coats black bituminous paint to rendered plinths.	9	SM	300.00	2,700.00
	TOTAL TAKEN BELOW				151,110.00
	<u>COLLECTION</u>				
	BROUGHT FROM PG 2				288,300.00
	BROUGHT FROM ABOVE				151,110.00
	CARRIED TO COLLECTION				439,410.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	<u>R.C. FRAME (BEAMS AND COLUMNS)</u>				
	<u>Vibrated reinforced concrete grade 25/20(1:2:4)in:</u>				
A	Ring Beams	3	CM	10,000.00	30,000.00
B	Columns	0.1	CM	10,000.00	1,000.00
	<u>High yield square twisted bars to B.S 4461;including bends, hooks and tying wire;(provisinal)</u>				
D	8mm diameter bars	110	KG	200.00	22,000.00
J	10mm diameter bars	220	KG	200.00	44,000.00
	<u>Sawn formwork to:</u>				
G	Sides of columns	3	SM	300.00	900.00
H	Sides and soffities of beams	30	SM	300.00	9,000.00
	<u>CARRIED TO SUMMARY</u>				
					106,900.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT N0.3				
	<u>EXTERNAL & INTERNAL WALLING</u>				
	<u>Selected fine machine cut stone walling with a minimum of 7.0N/mm² average compressive strength to B.S 5390; bedded and jointed in cement and sand (1:4)mortar to Architects approval</u>				
A	200mm thick walling ;reinforced with 20gauge hoop iron at alternate courses	98	SM	1,500.00	147,000.00
	DPC				
	<u>Bituminous hessian base to BS 743 type A;or equal approved dpc</u>				
B	200mm wide	45	LM	100.00	4,500.00
	CARRIED TO COLLECTION				151,500.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.4				
	<u>ROOFING</u>				
	<u>Structural timber to be sawn calcured cypress: The following in 6 No roof trusses spanning max 9200, @ 1500mm centres 3000mm high</u>				
A	150x50mm tie beams	29	LM	150.00	4,350.00
B	150x50mm king post	10	LM	150.00	1,500.00
C	150x50mm rafters	35	LM	150.00	5,250.00
D	150x50mm valley rafters	9	LM	150.00	1,350.00
E	Ditto hip rafters	15	LM	150.00	2,250.00
F	75x50mm struts/ties	15	LM	150.00	2,250.00
G	75x50mm purlins nailed to rafters (m.s) battens	80	LM	150.00	12,000.00
H	100x50mm wall plate fixed with and including 12mm hoop irons at 1200 mm centers	43	LM	250.00	10,750.00
I	30 gauge sheet pitch 35degrees materials fixed on timber purlins(ms)	58	SM	1,300.00	75,400.00
J	Ditto ridge and hip caps	15	LM	450.00	6,750.00
K	225x25mm wrot fascia/barge boards	29	LM	350.00	10,150.00
M	Knot prime and stop prepare and apply 3 coats gloss oil pint to isolated timber surface girth 200-300mm	29	SM	150.00	4,350.00
N	100mm diameter down pipes	6	LM	550.00	3,300.00
	<u>Extra Over downpipe for:</u>				
O	Sawn neck	2	NO	450.00	900.00
P	Horse shoe end	2	NO	400.00	800.00
	CARRIED TO COLLECTION				141,350.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Extra Over downpipe for:				
A	Bend	2	NO	450.00	900.00
B	150x150 metallic box gutter	13	LM	1,200.00	15,600.00
C	Out let in box gutter	2	NO	500.00	1,000.00
D	Extra Over gutters for Corner ends	2	NO	500.00	1,000.00
E	Prepare and apply three coats of glosss paint to metal surfaces	13	LM	150.00	1,950.00
F	Allow for testing the whole of rainwater disposal installation to the satisfaction of the architect and for replacing any defective work at contractors costs			1,500.00	1,500.00
TOTAL CARRIED TO COLLECTION					21,950.00
FROM ABOVE					21,950.00
FROM PAGE 5					141,350.00
6					
TOTAL FOR ROOFING CARRIED TO SUMMARY					163,300.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO .5				
	DOORS				
	panel Single Door				
A	45mm thick panel single door overall size 900x2400mm high, 200mm stiles, tops, middle and bottom rails	1	NO	9,000.00	9,000.00
	Flush doors as B.S 450				
B	45mm overall size 900x2400mm high thick semi solid core flush door faced both sides and transom	3	NO	6,500.00	19,500.00
	Wrot Mahogany or other equal and approved				
C	150x50mm frame with two labours plugged	7	LM	1,100.00	7,700.00
D	100x50mm frame with two labours plugged	21	LM	1,100.00	23,100.00
E	45x38mm architrave	21	LM	150.00	3,150.00
F	25mm diameter quadrant	21	LM	100.00	2,100.00
	Supply and fix the following ironmongery with screws to match				
G	3-Lever mortice lock & furniture Ref Union 2295	3	NO	3,000.00	9,000.00
H	100mm Brass butt hinges	3	PRS	400.00	1,200.00
I					
J	40mm Diameter rubber door stops	3	NO	100.00	300.00
	TOTAL FOR DOORS CARRIED TO SUMMARY				75,050.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.7				
	WINDOWS				
	-				
A	250x25mm precast concrete window cill bedded and jointed with cement and sand (1:3)mortar	10	LM	300.00	3,000.00
	<u>Supply & fix the following purpose made steel casement window fabricated from standard sections complete with frames,mullions and transomes including all necessary locking and window stays,screws and nuts once shop primed before delivery to site</u>				
B	Steel casement window with burglar size 1500x1500mm high(W1)	7	NO	8,000.00	56,000.00
C	Ditto size 600X900mm high (W2)	1	NO	2,000.00	2,000.00
	<u>4mm Thick obscure glass and glazing fixed with and</u>				
D	Panes 0.1-0.5 square metres	16	SM	1,100.00	17,600.00
	CARRIED TO SUMMARY				
					78,600.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.8</u>				
	<u>EXTERNAL FINISHINGS</u>				
	<u>Walls</u>				
A	Extra over walling for smooth chisel dressing with flush pointed vertical joints and recessed horizontal joints (ground floor)	59	SM	300.00	17,700.00
B	Extra over 200mm thick walling for chasing 50mm deep to receive rendering (m/s)	59	SM	300.00	17,700.00
	<u>12mm thick gauged lime (1:2:9) plaster to:-</u>				
C	Beams and columns	27	SM	350.00	9,450.00
D	Walling	59	SM	350.00	20,650.00
	<u>Prepare and apply three coats of first grade silk vinyl emulsion paint to:</u>				
E	Plastered surfaces of beams and columns	27	SM	180.00	4,860.00
F	Ditto walling	59	SM	180.00	10,620.00
	CARRIED TO SUMMARY EXTERNAL FINISHES				80,980.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.9</u>				
	<u>INTERNAL FINISHES</u>				
	<u>FLOORS</u>				
	<u>Cement and sand (1:4) screeding smooth trowelled</u>				
A	15mm thick to receive ceramic floor tiles	55	SM	400.00	22,000.00
	<u>8mm thick polished "granito" floor tiles bedded and jointed in cement and sand(1:3)mortar(m/s) and flush pointed with white cement</u>				
B	300X300mm Tiles	55	SM	1,800.00	99,000.00
C	100mm high x 20mm thick skirting	48	LM	180.00	8,640.00
	<u>CEILING FINISHES</u>				
F	25mm thick celotex softboard ceiling board complete with and including 50x50mm timber bandering	55	SM	1,200.00	66,000.00
G	50X50mm Thick wrot softwood moulded cornice	48	LM	200.00	9,600.00
	CARRIED TO COLLECTION				205,240.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Prepare apply three coats first grade plastic emulsion paint to:</u>				
A	Ceiling surfaces	55	SM	300.00	16,500.00
B	Timber surfaces not exceeding 100mm girth	48	LM	90.00	4,320.00
	<u>WALL FINISHES</u>				
	<u>Cement and sand (1:3)plaster</u>				
C	12mm Thick to wall surfaces	198	SM	300.00	59,400.00
	<u>Prepare and apply three coats first grade plastic emulsion paint to:</u>				
D	Plastered walls	198	SM	300.00	59,400.00
	TOTAL CARRIED TO COLLECTION				139,620.00
	FROM PAGE 10				205,240.00
	FROM ABOVE				139,620.00
	CARRIED TO SUMMARY INTERNAL FINISHES				344,860.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROVISIONAL SUM</u>				
A	Provide provisional sum of ksh 250,000 for electricals works				250,000.00
	CARRIED TO SUMMARY PROVISIONAL SUM				250,000.00

PROPOSED CONSTRUCTION OF ASSISTANT COUNTY COMMISSIONER'S OFFICE IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY SECTION</u>				
A	SUBSTRUCTURES				439,410.00
B	RC FRAME				106,900.00
C	WALLING				151,500.00
D	ROOFING				163,300.00
E	DOORS				75,050.00
F	WINDOWS				78,600.00
G	EXTERNAL FINISHES				80,980.00
H	INTERNAL FINISHES				344,860.00
I	PROVISIONAL SUMS				250,000.00
	SUB-TOTAL NO.1				1,690,600.00
	Add:-				
	5% For Project Management Expenses/Supervision fees				84,530.00
	5% For Contingency Sum to be expended on instructions of the P.m				84,530.00
	SUB-TOTAL NO.2				1,859,660.00
	ADD 16% V.A.T				297,545.60
	TOTAL FOR ASS CHIEF'S OFFICE CARRIED TO TENDER				2,157,205.60
	BUILDER'S WORKS CARRIED TO TENDER				2,157,205.60

COUNTY WORKS OFFICER
 MINISTRY OF PUBLIC WORKS
 P.O. BOX 803 SIAYA
 DATE: 14/02/24
 SIGNATURE

REPUBLIC OF KENYA



MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING
AND URBAN DEVELOPMENT

State Department for Public Works

PROPOSED CONSTRUCTION OF DINNING HALL UDIRA SEC.
SCHOOL IN UGENYA SUB-COUNTY

BILL OF QUANTITIES

TENDER NO.: _____

CLIENT:
NG-CDF UGENYA

ISSUED BY:
COUNTY WORKS OFFICER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ELECTRICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY MECHANICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY QUANTITY SURVEYOR
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ARCHITECT
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY STRUCTURAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 141 SIAYA
DATE: 14/02/24

FEBRUARY 2024

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 1.</u> <u>SUBSTRUCTURES(ALL PROVISIONAL)</u> <u>Excavations and Earth works</u>				
A	Clear the site of all grass, shrubs, undergrowth and small trees including grubbing up roots and burn arisings	433	SM	50.00	21,650.00
B	Excavate to remove top soil comencing from ground level, average depth 150mm	351	SM	60.00	21,060.00
C	Excavate oversite to reduce levels	23	CM	250.00	5,750.00
D	Excavate for strip foundation trenches not exceeding 1.5 metres deep from reduced level	46	CM	250.00	11,500.00
E	Extra over for excavating in soft rock	8	CM	690.00	5,520.00
F	Allow for keeping excavations free of surface water by pumping or any other approved method		ITEM		2,500.00
G	Allow for maintaing and upholding sides of excavation clear of all falling materials by plunking and strutting		ITEM		2,500.00
H	Excavate for column bases not exceeding 1.5m deep from reduced level	24	CM	400.00	9,600.00
	<u>Backfilling</u>				
J	Return, fill and ram selected excavated material around foundations and columns	39	CM	250.00	9,750.00
	<u>Disposal</u>				
K	Load and cart away from site surplus excavated material not exceeding 10m away and spread as directed	62	CM	250.00	15,500.00
	<u>Imported filling</u>				
L	300mm thick hardcore bed hand packed watered and compacted in 150 mm thick layers	105	CM	980.00	102,900.00
<p>COUNTY WORKS OFFICER MINISTRY OF PUBLIC WORKS P.O. BUX 803 SIAYA UACE SIGN</p>					
Carried to collection					105,330.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	50mm Thick approved quality murrum or quarry dust blinding to surfaces of hardcore (m.s) to receive damp-proof membrane <u>Damp-Proof membrane</u>	351	SM	80.00	28,080.00
B	1000 gauge polythene damp proof membrane or equal and approved laid over blinded hardcore (m.s) with 200 mm end and side laps (measured net-no allowance for laps) <u>Anti-termite treatment</u>	351	SM	120.00	42,120.00
C	Termidor 25 EC" or other equal and approved anti-termite chemical treatment applied by an approved pest control specialist with a 10 year warranty strictly applied according to manufacturer's printed instructions. <u>Concrete work</u> <u>50mm thick blinding in plain concrete (1:4:8) in:-</u>	351	SM	180.00	63,180.00
D	Strip footing	76	SM	450.00	34,200.00
E	Column bases <u>Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in:</u>	24	SM	450.00	10,800.00
F	Foundation strip footing	23	CM	10,000.00	230,000.00
G	Column bases	11	CM	10,000.00	110,000.00
H	Starter columns	1	CM	10,000.00	10,000.00
J	150mm Ground Floor bed <u>Reinforcement (All Provisional)</u> <u>Supply, cut, bend and fix the following reinforcement bars including tying wire, stirrups and spacer blocks to B.S. 4461</u>	351	SM	1,200.00	421,200.00
L	8mm (D8)	584	KG	180.00	105,120.00
M	10mm Ditto (D10)	1,170	KG	180.00	210,600.00
N	12mm Ditto (D12)	1,650	KG	180.00	297,000.00
Carried to collection					1,562,300.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Steel mesh fabric reinforcement to BS 4483</u>				
A	B.R.C fabric mesh reinforcement ref: A142 weighing 2.22 kg / m ² laid with 200 mm laps (measured net-no allowance made for laps)	351	SM	380.00	133,380.00
	<u>Sawn form work to:</u>				
B	Sides of strip footing	76	SM	300.00	22,800.00
C	Sides of column bases	44	SM	300.00	13,200.00
D	Sides of starter columns	6	SM	300.00	1,800.00
E	Edges of floor slab 75-150mm wide	100	LM	150.00	15,000.00
	<u>Load bearing natural stone rough walling in cement and sand mortar</u>				
F	225mm thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with 25x3mm thick hoop iron in every alternate course	152	SM	1,400.00	212,800.00
	<u>Bituminous felt damp proof courses laid on and including levelling screed of cement mortar</u>				
G	200mm wide in walling	100	LM	100.00	10,000.00
	<u>Cement and Sand (1:4) rendering</u>				
H	20mm thick rendering to concrete and masonry surfaces finished with a steel float trowelled to plinth	30	SM	250.00	7,500.00
	<u>Prepare and apply three coats bituminous paint</u>				
I	Rendered surfaces externally	30	SM	230.00	6,900.00
	Total carried to collection				423,380.00
	<u>COLLECTION</u>				
	<u>SUBSTRUCTURE</u>				
	Carried from page 1				105,330.00
	Carried from page 2				1,562,300.00
	Carried from above				423,380.00
	Carried to collection				2,091,010.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2				
	SUPERSTRUCTURE				
	REINFORCED CONCRETE				
	SUPERSTRUCTURE				
	Reinforcement				
	Supply, cut, bend and fix the following				
	reinforcement bars including tying wire, stirrups				
	and spacer blocks to B.S. 4461				
A	8mm diameter high tensile ribbed bars (D8)	1,105	KG	200.00	221,000.00
B	12mm Ditto (D12)	2,950	KG	200.00	590,000.00
	Vibrated reinforced concrete class 20/20 in:-				
C	Beams	11	CM	12,000.00	132,000.00
D	Columns	4	CM	12,000.00	48,000.00
E	Columns curved to plan	1	CM	12,000.00	12,000.00
J	concrete beams to entrances	2	CM	12,000.00	24,000.00
	Sawn formwork to :-				
K	Sides and soffites of beams	103	SM	350.00	36,050.00
L	Sides and soffites of columns	50	SM	350.00	17,500.00
M	Sides of concrete beam to entrance	2	SM	350.00	700.00
	WALLING				
	WALLING				
	EXTERNAL WALLING				
	Selected fine machine cut stone walling with a				
	minimum of 7.0N/mm² average compressive				
	strength to B.S 5390; bedded and jointed in				
	cement and sand (1:4)mortar to Architects				
	approval				
	200mm thick walling ;reinforced with 20gauge hoop				
N	iron at alternate courses	SM	280	1,600.00	448,000.00
O	Ditto to gable ends	SM	41	1,600.00	65,600.00
	Extra over walling for pointing on masonsry walling				
P	horizontal recessed and flush vertical joints	SM	280	200.00	56,000.00
	DPC				
	Bituminous hessian base to BS 743 type A;or equal				
	approved dpc				
Q	200mm wide	LM	89	100.00	8,900.00
	INTERNAL WALLING				
	150mm thick brick walling ;reinforced with 20gauge				
R	hoop iron at alternate courses	SM	51	1,800.00	91,800.00
	DPC				
	Bituminous hessian base to BS 743 type A;or equal				
	approved dpc				
S	200mm wide	LM	22	100.00	2,200.00
TOTAL FOR SUPERSTRUCTURE CARRIED TO SUMMARY					1,753,750.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 3.				
	ROOFING				
	Roof Covering				
A	30 gauge pre-painted roofing sheets at 30deg. Pitch on steel trusses	418	SM	1,500.00	627,000.00
B	Matching cap	25	LM	200.00	5,000.00
C	Ditto Valley	33	LM	200.00	6,600.00
	Roof Construction				
	The following in Steel trusses and/or independent members				
D	75 x50mm truss Rafter (inclusive of valley and hip rafters)	287	LM	150.00	43,050.00
E	Ditto Tie beams	235	LM	150.00	35,250.00
F	Ditto kingpost	98	LM	150.00	14,700.00
G	50x50mm Struts and ties	134	LM	150.00	20,100.00
H	150x3mm thick Z- purlins	280	LM	180.00	50,400.00
J	100x50mm steel wall plate; fixed to concrete or masonry with and including approved bolts at 100mm centers	112	LM	600.00	67,200.00
	Rain water Disposal				
K	180mm half-round heavy gauge UPVC gutter as "metro" or equal and approved fixed to fascia board with and including matching brackets at 500mm centers	50	LM	510.00	25,500.00
L	100mm diameter rainwater UPVC down pipe with matching brackets at 1000mm centers	12	LM	510.00	6,120.00
M	Extra-over down pipe for 100mm bend	4	NO	250.00	1,000.00
N	Extra over for shoe	4	NO	250.00	1,000.00
TOTAL FOR ROOFING CARRIED TO GRAND SUMMARY					902,920.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4				
	WINDOWS				
A	<u>Precast Concrete, once throated fixed with cement and sand (1:3) mortar</u> 250x75mm Thick window cill	11	LM	300.00	3,300.00
	<u>Supply and fix the following purpose made small panel mild steel once shoped primed window to schedule with pressed steel ventilating hood and 25x6mm mild steel flat to match window division burglar proofing in openings and polished in oppenings; complete with approved brass fasteners and stavs 12 mm mild as supplied by Kensmetal Industries Ltd and fixed to metal jambs and concrete head.</u>				
B	Window overall size 1,800 wide x 1,500 mm high	7	NO	12,000.00	84,000.00
C	Window overall size 1,500 wide x 1,500 mm high	7	NO	8,500.00	59,500.00
D	Window overall size 1,800 wide x 500 mm high	10	NO	4,150.00	41,500.00
	Glazing Clear Sheet Glass				
E	4mm glass and glazing to metal putty in panes not exceeding 0.1 square meter	44	SM	780.00	34,320.00
	<u>Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-</u>				
F	General surfaces of windows and burglar bars (b.s.m)	120	SM	250.00	30,000.00
Total for Windows Carried to collection					252,620.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5				
	DOORS				
	<u>Supply, assemble and fix the following purpose made steel casement door to comply with BS 990 obtained from an approved manufacturer, once shoped primed with red oxide before delivery to site complete with hinges, handles, catches and building in lugs.</u>				
A	Steel casement double leaf door overall size 3000x 2,400mm high, consisting of steel framing, bracing and infill to Architect's details and all necessary ironmongery	2	NO	20,000.00	40,000.00
	Flush doors to BS 459(part 2)				
B	45mm Thick semi-solid core beech laminated flush door and hardwood lipped all round overall size 900 x 2400 mm high.	5	NO	6,000.00	30,000.00
	Frames and finishing in wrot Mahogany				
C	150 x 50mm frame once rebated to detail	33	LM	1,100.00	36,300.00
D	40 x 25mm architrave	33	LM	150.00	4,950.00
E	25mm diameter quadrant bead	33	LM	150.00	4,950.00
	Iron mongery				
	<u>Supply and fix the following "UNION" ironmongery with matching screws</u>				
F	Two lever mortice lock complete with brass handles	5	NO	3,000.00	15,000.00
G	100mm brass butt hinges	5	PRS	450.00	2,250.00
H	Brass coat and hat hook	5	NO	350.00	1,750.00
I	38mm diameter rubber door stop fixed to wall or floor	5	NO	120.00	600.00
J	Brass tower bolts	5	NO	450.00	2,250.00
Carried to collection					138,050.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DOORS CONTD				
	<u>Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-</u>				
A	General surfaces of wooden doors	19	SM	300.00	5,700.00
B	Surfaces not exceeding 100mm girth	33	LM	100.00	3,300.00
	<u>Touch up primer and apply one undercoat and two finishing coats of first quality super gloss paint to:-</u>				
D	General surfaces of metal doors (b.s.m)	29	SM	300.00	8,700.00
	Carried to collection				17,700.00
	COLLECTION DOORS				
	Carried from page 8				138,050.00
	Carried from above				17,700.00
	TOTAL FOR DOORS CARRIED TO SUMMARY				155,750.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY


ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 6				
	FINISHES				
	WALL FINISHES				
	Cement: Lime: Sand (1:2:9) render				
A	12mm rendering to wall surfaces finished with a wood float thickness	241	SM	300.00	72,300.00
B	Ditto to wall internally	382	SM	300.00	114,600.00
C	Ditto but columns curved on plan to radius 100mm	1	SM	300.00	300.00
	column and beam surfaces internally & Externally	103	SM	300.00	30,900.00
D	Ditto to gable ends externally	71	SM	300.00	21,300.00
	Prepare surfaces and apply one undercoats stainer and two finishing coats of wall master paint to:-				
E	General rendered surfaces externally	241	SM	250.00	60,250.00
F	Walls internally	382	SM	300.00	114,600.00
G	Ditto but columns curved on plan to radius 150mm	1	SM	250.00	250.00
H	Ditto to gable ends externally	71	SM	250.00	17,750.00
I	column and beam surfaces internally & Externally	103	SM	300.00	30,900.00
	Floor finishes				
	Cement and sand (1:4) paving :-				
J	25 mm thick paving under floors finished with a wood float to receive Terrazzo floor finish	351	SM	350.00	122,850.00
K	25mm thick Terrazzo floor finish	351	SM	2,500.00	877,500.00
L	100mm high ditto skirting	198	LM	200.00	39,600.00
TOTAL FOR FINISHES CARRIED TO COLLECTION					1,503,100.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 7				
	PROVISIONAL SUM				
A	Supply and fix 1800mmx600mmx850mm double pot wash sink equipped with bip taps at the cook up area	1	NO	20,000.00	20,000.00
B	Supply and fix 1200mmx600mmx850mm general wash sink with taps at the food preparation area	1	NO	12,000.00	12,000.00
C	Provide provisional sum of ksh 250,000 for electricals works installation and reticulation	1			250,000.00
D	Allow Provisinal Sum of Kenya Shillings Three Hundred Thousand Shillings (Kshs 300,000) only for Mechanical Installation Works(plumbing works to kitchen area and steel grating to kitchen drainage channel)	1			300,000.00
E	Allow for Ksh.80,000 for construction of serving area worktop	1			80,000.00
TOTAL FOR PROVISIONAL SUMS CARRIED TO COLLECTION					662,000.00

PROPOSED CONSTRUCTION OF DINNING HALL AT UDIRA SEC SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>GROUND FLOOR SUMMARY</u>				
1	Substructure				2,091,010.00
2	Superstructure				1,753,750.00
3	Roofing				902,920.00
4	Windows				252,620.00
5	Doors				155,750.00
6	Finishes				1,503,100.00
7	Provisional sums				662,000.00
	SUB-TOTAL NO1				7,321,150.00
	ADD 5% CONTIGENCY SUM				366,057.50
	ADD 5% SUPERVISION AND PMC FEE				366,057.50
	SUB-TOTAL NO.2				8,053,265.00
	ADD 16% V.A.T				1,288,522.40
	TOTAL CARRIED TO TENDER				9,341,787.40

COUNTY WORKS OFFICER
 MINISTRY OF PUBLIC WORKS
 P.O. BOX 803 SIAYA
 DATE 10/2/20
 SIGN 

REPUBLIC OF KENYA



MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING AND URBAN DEVELOPMENT

State Department for Public Works

PROPOSED CONSTRUCTION OF SENIOR LABORATORY AT
SIGWENG KARUOTH SEC.SCHOOL IN UGENYA SUB-COUNTY

BILL OF QUANTITIES

TENDER NO.: _____

CLIENT:
NG-CDF UGENYA

ISSUED BY:
COUNTY WORKS OFFICER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ELECTRICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY MECHANICAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY QUANTITY SURVEYOR
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY ARCHITECT
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

PREPARED BY:
COUNTY STRUCTURAL ENGINEER
STATE DEPT. FOR PUBLIC WORKS
P.O. Box 141 - 40600
SIAYA

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 803 SIAYA
DATE: 14/2/24. SIGN: [Signature]

FEBRUARY 2024

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT NO 1					
SUBSTRUCTURES (ALL PROVISIONAL)					
Site clearance					
A	Clear the site off grass and all vegetations carry away as directed	122	SM	80.00	9,760.00
B	Excavate vegetable soil average 200mm deep and cart away as directed	122	SM	150.00	18,300.00
Excavation					
C	Excavate oversite to reduced levels commencing from stripped level average 300mm deep and spread on site av. 10 meters away	8	CM	300.00	2,400.00
D	Excavate for strip foundation starting from reduced level 1.50 meters deep and cart away as directed	20	CM	300.00	6,000.00
E	Ditto for column bases	3	CM	300.00	900.00
F	ditto for column pits	0.5	CM	300.00	150.00
G	Extra over excavation for excavating in rock	4	CM	600.00	2,400.00
H	Return, fill-in and rum selected excavated material	16	CM	400.00	6,400.00
I	Remove and cart from site surplus excavated materials as directed	48	CM	300.00	14,400.00
Disposal of water					
J	Keeping all excavations free from all water including spring or running water		ITEM		2,000.00
Planking and struting					
K	Uphold the sides of all excavations		ITEM		2,000.00
Filling					
L	Hardcore filling in making up levels exceeding 250mm thick, depositing and compacting in layers of 125mm maximum thickness	37	CM	300.00	11,100.00
M	50mm thick murrum blinding to surfaces durface of fill	122	SM	250.00	30,500.00
Carried to collection				KSH	106,310.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Antitermite treatment</u>				
A	TERMIDOR on other equal and approved insecticide with a ten years guarantee to surface of fill and tops of foundations	122	SM	90.00	10,980.00
	<u>Concrete</u>				
	<u>50mm thick blinding in plain concrete (1:4:8) in:-</u>				
B	50mm thick mass concrete class Q(1:3:6) to bottoms of column bases	2	SM	450.00	900.00
C	Strip footing	41	SM	450.00	18,450.00
	<u>In situ concrete, reinforced: class 20/ (20mm): vibrated</u>				
D	Foundations in trenches irrespective of thickness	8	CM	12,000.00	96,000.00
E	150mm thick bed	122	SM	1,200.00	146,400.00
F	Starter columns	1	CM	12,000.00	12,000.00
G	Column bases	1	CM	12,000.00	12,000.00
	Fabric; B.S. 4483				
H	Reference AJ142 mesh 200x200mm, weight 2.22 kgs per square meter (measured net-no allowance made for laps (including bends, tying wire and distance blocks	122	SM	450.00	54,900.00
	Carried to collection				351,630.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sawn Formwork to insitu concrete as described</u>				
A	Sides of strip footing	41	SM	300.00	12,300.00
B	Edges of ground floor slab: 75 to 150mm wide	45	LM	150.00	6,750.00
C	Sides of foundation columns	7	SM	300.00	2,100.00
D	Sides of column bases	6	SM	300.00	1,800.00
	<u>Walling</u>				
E	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	48	SM	1,300.00	62,400.00
	<u>Damp proofing</u>				
F	Polythene; 1000 gauge, 150mm laps (no allowance made to laps), horizontal; 1 no. layer laid on murrum blinding	122	SM	150.00	18,300.00
G	200 mm wide; B.S 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	68	LM	100.00	6,800.00
	<u>Insitu finishes</u>				
H	14mm thick 2No. Coat work cement sand (1:3) render; wood floated to concrete or blockwork to walls; external	14	SM	300.00	4,200.00
	<u>Prepare and supply three coats black bituminous paint on:-</u>				
I	Rendered plinths, externally.	14	SM	300.00	4,200.00
	Carried to collection			Ksh	118,850.00
	COLLECTION				
	From page 1				106,310.00
	From page 2				351,630.00
	From page above				118,850.00
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY			Ksh	576,790.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO:2</u> <u>WORKTOP</u> Insitu concrete; reinforced; class 20/(20mm); vibrated in				
A	100mm conc suspended worktop	24	SM	1,200.00	28,800.00
B	50mm thick concrete to plinth	29	SM	1,200.00	34,800.00
C	100mm thick brick blocks in worktops walling	20	SM	900.00	18,000.00
D	12mm thick plaster to work top walls	40	SM	300.00	12,000.00
E	25mm thick screed to receive tiles on worktops	24	SM	380.00	9,120.00
F	200X300X6mm thick Chemical resistant tiles on worktop	24	SM	1,500.00	36,000.00
	<u>Reinforcement</u> <u>Bars; high yield steel: cold worked to B.S. 4461</u> <u>including bends, hooks, tying wire and distance</u> <u>blocks</u>				
G	Of assorted bars	360	KG	180.00	64,800.00
	<u>Sawn formwork to insitu concrete as described:-</u>				
H	To soffits of worktops	24	SM	300.00	7,200.00
I	Edges of suspended slab 75 to 150mm wide	52	LM	150.00	7,800.00
J	Ditto to plinths 75 to 150mm wide	52	LM	150.00	7,800.00
	TOTAL FOR FRAME CARRIED TO SUMMARY			Ksh	226,320.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 3				
	<u>REINFORCED SUPER-STRUCTURE</u>				
	EXTERNAL & INTERNAL WALLING/BEAMS & COLUMNS				
A	200 mm thick approved local; machine cut; bedding, jointing and pointing in cement sand (1:3) mortar Externally	84	SM	1,300.00	109,200.00
B	Extra in stone walling for keying	84	SM	200.00	16,800.00
C	200mm thick internally	37	SM	1,300.00	48,100.00
D	Gable ends	3	SM	1,300.00	3,900.00
	Vibrated reinforced concrete (1:5:5:3)				
D	In Beams	3.4	CM	12,000.00	40,800.00
E	In Columns	1.2	CM	12,000.00	14,400.00
	Sawn form work or equal and approved				
F	To sides of beams	34	SM	300.00	10,200.00
G	To sides of columns	12	SM	300.00	3,600.00
H	To soffites of beams over openings	4	SM	300.00	1,200.00
	High tensile square twisted reinforcement bars to British standards including laps, bends, tying wire and space blocks(provisional)				
I	12mm diameter	310	KG	180.00	55,800.00
J	8mm ditto	160	KG	180.00	28,800.00
	<u>Steel Columns</u>				
K	75mm Diameter x 3mm thick x 2700m high mild steel black pipe top end with welded U-holder butt for 100x50mm wall plate (m/s) including welding on 200x200x6mm thick m/s plate, fixing 4no. hold down bolts and all necessary excavations and mass concrete 1:3:6 footing	5	NO	4,500.00	22,500.00
	TOTAL FOR EXTERNAL & INTERNAL WALLING CARRIED TO SUMMARY			Ksh	355,300.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO:4				
	<u>ROOFING</u>				
A	Galvanized corrugated Sheet roofing, 30 gauge; Prepainted Roof covering not exceeding 45o from horizontal; fixing to timber structure (m/s) with roofing nails and neoprene washers J bolts nuts neoprene washjers and caps.	152	SM	1,200.00	182,400.00
	<u>Accessories, fixing as necessary to roof</u>				
B	Ridge cap	15	LM	400.00	6,000.00
	<u>CARPENTRY</u>				
	<u>The following in sawn celcured cypress</u>				
C	150x50mm sawn cypress tie beam	81	LM	150.00	12,150.00
D	150x50mm rafters	105	LM	150.00	15,750.00
E	100x50mm wall plate rag-bolted at 1200mm centers with 12mm diameter bolts (m/s)	45	LM	150.00	6,750.00
F	100x50mm king post	22	LM	150.00	3,300.00
G	100x50mm sawn cypress struts	132	LM	150.00	19,800.00
H	75x50mm sawn cypress purlins	135	LM	150.00	20,250.00
	carried to collection			Ksh	266,400.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGAWENG, KARUOITH SEC. SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Wrote cypress. Prime grade</u> 200x25mm thick fascia and verge board	50	LM	250.00	12,500.00
B	2.5x100mm Tongue & grooved boarding secret nailed to sawn cypress bearers or branding at 600mm centers	29	LM	1,000.00	29,000.00
	<u>Rain water goods</u> 24g Galvanized mild,steel sheeting; all welds ground smooth				
C	150x100mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	28	LM	800.00	22,400.00
	Carried to collection			Ksh	63,900.00

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOIH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Extra for blocked ends with 75mm dia outlet 100mm long	2	NO	450.00	900.00
B	75mm dia. Rainwater downpipe fixed with and including	8	LM	560.00	4,480.00
C	Extra; swanneck bend	2	NO	450.00	900.00
D	Extra; horse shoe bend	2	NO	450.00	900.00
Painting and Decorations					
<u>On Woodwork</u>					
Prepare and apply one undercoat and two coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-					
F	Fascia; 200 to 300mm girth; external	50	LM	75.00	3,750.00
<u>On metal work</u>					
Prepare and apply one approved etching primer, one undercoat and two coats 'CROWN SOLO' or other equal and approved super gloss oil paint to:-					
G		28	LM	100.00	2,800.00
H	General surface of gutters; over 300mm girth external Small pipes; external	8	LM	100.00	800.00
<u>Tongue & Grooved timber surface</u>					
I	Prepare and apply three coats of 'CROWN SOLO' or other equal and approved polyurethane varnish to:- Surface of eaves; over 300mm girth external	29	SM	250.00	7,250.00
Carried to collection				Ksh	21,780.00
COLLECTION					266,400.00
From page 6					63,900.00
From page 7					21,780.00
From page above					
				Ksh	352,080.00

TOTAL OF ROOFING CARRIED TO SUMMARY

ITEM	QTY	UNIT	RATE	AMOUNT
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PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

DESCRIPTION				
ELEMENT NO: 5				
<u>DOORS</u>				
A	3	NO	7,500.00	22,500.00
Purpose made Aluminium casement door overal size 900x2400mm high				
B	2	NO	10,000.00	20,000.00
Ditto size 1200x2400mm high				
C	11	SM	300.00	3,300.00
Prepare and apply three coats of gloss paint to metal surfaces of doors				
D	1	SM	1,000.00	1,000.00
4mm thick clear glass in steel putty				
Total for Doors Carried to Summary			Ksh	46,800.00
ITEM	QTY	UNIT	RATE	AMOUNT
DESCRIPTION				

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN UGENYA SUB-COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT NO:6					
WINDOWS					
Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes,mullions and with including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x50mm projection to full width of window, coupling mullions, approved iron mongery and one coat manufacturer;s primer; all welding ground to smooth finish.					
Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or block work, fixing to head and sill with screws; plugging					
A	Window, overall size 1500x1500mm high with 2No. openable	10	NO	7,500.00	75,000.00
B	Ditto size 2000x1500mm high	3	NO	10,000.00	30,000.00
C	Ditto size 900x1500mm high	5	NO	4,500.00	22,500.00
D	<u>Precast Concrete, once throated fixed with cement and sand (1:3) mortar</u> 250x75mm Thick window cill	33	LM	300.00	9,900.00
					137,400.00
Carried to collection					

A	GLAZING 5mm thick clear glass panes over 1.5 but not exceeding 0.5 square meters fixing with putty	39	SM	1,000.00	39,000.00
B	PAINTING AND DECORATIONS Prepare and apply three coats of oil paint full gloss to crown solo or other equal and approved to: General window surfaces over 300mm girth internal	33	SM	180.00	5,940.00
C	Ditto externally	33	SM	180.00	5,940.00
D	Ditto metal surfaces burglar proofing	33	SM	180.00	5,940.00
E	Frames 200 to 300mm girth	26	LM	75.00	1,950.00
Total carried to collection					58,770.00
COLLECTION					
Total from page 10					137,400.00
Total from above					58,770.00
TOTAL CARRIED TO SUMMARY					196,170.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

ELEMENT NO: 7					
FINISHES					
Wall finishes					
Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand(1:6); 3mm second coat of cement and lime putty (1:10) steel trowelled to concrete or blockwork base generally to:-					
A	Walls ; internally	158	SM	300.00	47,400.00
B	Extra over horizontal pointing in 10mm thick rod in concrete in cement and sand (1:3) mortar to external wall	84	SM	200.00	16,800.00
C	Gable ends	18	SM	300.00	5,400.00
D	Beams and columns internally and externally	48	SM	300.00	14,400.00
E	3200x1500mm wide, 25mm thick digital white board	1	NO	10,000.00	10,000.00
Painting and decorations					
Prepare and apply three coats of first quality plastic emulsion paint to:-					
emulsion paint to:-					
F	Plastered walls	158	SM	300.00	47,400.00
G	Ditto to beams and columns	48	SM	300.00	14,400.00
Carried to collection			Ksh	155,800.00	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

<u>FLOOR FINISHES</u>					
A	<u>Beds and backing</u> 15mm thick to receive ceramic floor tiles	122	SM	400.00	48,800.00
B	300mmx300mmx6mm ceramic chemical resistant floor tiles fixed on floors with approved adhesive	122	SM	1,800.00	219,600.00
C	Skirting; 100mm wide with rounded junction with wall finish and straight junction with floor finish	76	SM	250.00	19,000.00
<u>Ceiling finishes</u>					
D	<u>Approved wrote cypress prime grade;pressure impregnated</u> 100x25mm moulded cornice	85	LM	150.00	12,750.00
E	<u>Approved sawn softwood; second grade; pressure impregnated</u> 50X50mm brandreing	405	LM	150.00	60,750.00
<u>PLAIN SHEET FINISHING</u>					
F	<u>Celotex ceiling boards</u> 13mm thick nailed to 50x50mm timber brandering (m/s), nails punched and puttied; set to pattern to ceilings	122	SM	700.00	85,400.00
G	Extra; access panels 600x600mm, 50mm softwood framing all round; fixing with chromium plated screws and cup washers.	2	NO	900.00	1,800.00
Total carried to collection				Ksh	448,100.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT

PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN UGENYA SUB-COUNTY

<u>Painting and Decorations</u>					
<u>To wood surfaces</u>					
<u>Knote, prime & stop and prepare and apply three coats polyrethane matt varnish on woodwork internally</u>					
A	Moulded cornice not exceeding 100mm girth	85	LM	150.00	12,750.00
<u>Prepare and apply three coats oil paint full gloss to crown solo or other equal and approved to:-</u>					
B	Softboard surface	122	SM	300.00	36,600.00
Carried to collection					49,350.00
COLLECTION					155,800.00
From page 13					448,100.00
From page 14					49,350.00
From page above					
TOTAL CARRIED TO SUMMARY					653,250.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

A	<u>PROVISIONAL SUMS & PRIME COSTS</u>			
				200,000.00
	Allow ksh.Two hundred thousand For electrial works to the laboratory			
B	Allow ksh.One hundred thousand For plumbing works/drainage works			100,000.00
C	Allow ksh. Three hundred thousand For construction of shelves and fume chamber			300,000.00
D	Allow ksh.Five hundred thousand For Gas installation/equipments			500,000.00
E	Supply and install a 3000l Roto water tank			30,000.00
TOTAL FOR PROVISIONAL SUM/PRIME COST CARRIED TO SUMMARY				1,130,000.00

ITEM	QTY	UNIT	RATE	AMOUNT
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PROPOSED CONSTRUCTION OF SENIOR SCIENCE LABORATORY BLOCK AT SIGWENG KARUOTH SEC.SCHOOL IN
UGENYA SUB-COUNTY

DESCRIPTION			
<u>SUMMARY</u>			
1			576,790.00
	SUBSTRUCTURE (ALL PROVISIONAL)		
2			226,320.00
	WORKTOP		
3			355,300.00
	REINFORCED SUPERSTRUCTURE & WALLING		
4			352,080.00
	ROOF WORKS		
5			46,800.00
	DOORS		
6			196,170.00
	WINDOWS		
7			653,250.00
	FINISHES		
8			1,130,000.00
	PROVISIONAL SUMS/PRIME COSTS		
		Ksh	3,536,710.00
	SUB TOTAL BUILDERS WORK		
	<u>ADD:</u>		176,835.50
	5% For Project Management Expenses/Supervision fees		100,000.00
	Allow Contingency Sum of ksh.100,000 to be expended on instructions of the P.m		
			3,813,545.50
	SUB-TOTAL NO.2		
			610,167.28
	ADD 16% V.A.T		
		Ksh	4,423,712.78
	GRAND TOTAL		
			4,423,712.78
	TOTAL CARRIED TO FORM OF TENDER		

COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 803 SIAYA
DATE: 14/2/24
SIGN: 