



REPUBLIC OF KENYA
DIRECTORATE OF PUBLIC WORKS
PROPOSED WARD ADMINISTRATORS' OFFICES

..... **AT SERICHO WARD**

TENDER DOCUMENT

W.P. ITEM NO.

ISSUED BY:
COUNTY WORKS OFFICER
P. O. BOX 38 -60300
MINISTRY OF PUBLIC WORKS
ISIOLO

ISIOLO COUNTY GOVERNMENT
P. O. BOX 36- 60300
ISIOLO

DECEMBER, 2018

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	<p><u>PROPOSED CONSTRUCTION OF WARD ADMINISTRATORS OFFICE – ISIOLO COUNTY. ELEMENT NO.1 SUBSTRUCTURES</u></p>				
	<p>(ALL PROVINCIAL MEASURED) The following works have been measured up to and including around slab).</p>				
A	<p><u>Earthworks & excavations.</u> Clear site of all bushes, shrubs, small trees, and hedged including grubbing up their roots and dispose as directed.</p>	SM	120		
B	<p>Excavate foundation and column baase not exceeding 1.5 metres deep.</p>	CM	82		
C	<p>Extra over excavation for all class of rocks</p>	CM	2		
D	<p>Approved hardcore 300mm filling well hand packed, rammed, watered and compacted in layers of 150mm thick</p>	SM	86		
E	<p>50mm fine material for building (murrum/quarry dust) to surface of hardcore well and leveled.</p>	SM	86		
F	<p>Return, fill and ram selected excavated material around foundation.</p>	CM	49		
G	<p>Load and cart away excavated soil from site as directed</p>	CM	33		
H	<p>“Termidor” or other equal and approved insecticide solution treatment to manufacturer’s instructions on blinded surfaces and bottoms of foundations</p>	SM	105		
I	<p>500 gauge polythene D.P.M. undelay sheeting to bottom of slab with end and side laps of 150mm.</p>	SM	105		
J	<p>Allow for keeping excavations free from all water by draining pumping or otherwise</p>		ITEM		
L	<p>Allow for maintaining and upholding sides of excavations as necessary clearing away any debris: rubbish etc.</p>		ITEM		
	<p>TOTAL CARRIED TO COLLECTION</p>			<p>KSH</p>	

SH/1

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	<u>UBSTRUCTURES (continued)</u>				
	<u>Plain concrete (1:4:8) in:-</u>				
A	50mm thick blinding to foundation.	SM	55		
	<u>Vibrated reinforced concrete (1:2:4)in:-</u>				
B	Column bases and foundation	CM	11		
C	Columns	CM	1		
D	100mm thick ground floor slab	SM	105		
	<u>Sawn formwork to:-</u>				
E	Columns	SM	5		
F	Edges of floor slab 75 – 150mm high	LM	51		
	<u>Steel reinforcements:</u>				
	<u>Supply and including all necessary lying wires and spacer blocks.</u>				
G	8mm high tensile square twisted steel bars	SM	30		
H	10mm Ditto.	LM	330		
I	12mm Ditto	SM	110		
	<u>Foundation Walling</u>				
	<u>Natural stone walling in cement – sand (1:3) mortar including reinforcing with 20 x 3mm thick hoop-iron in every alternate course.</u>				
J	200mm Thick walling	SM	100		

	TOTAL CARRIED TO COLLECTION				
				KSH	

SH/2

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	<u>SUBSTRUCTURES (cont)</u>				
	(Plinths)				
A	12mm thick cement – sand (1:3) render to plinths	SM	25		
B		SM	25		
	Prepare and apply three coats of bitumastic paint to rendered plinths externally.				
C		SM	30		
	<u>Paving slabs around building</u>				
D	600 x 600 x 50mm thick grey pre-cast concrete (1:2:4)paving slabs with cement and sand mortar (1:3) joints including 50mm bed sand				
	TOTAL CARRIED TO COLLECTION BELOW				
	<u>COLLECTION</u>				
	FROM PAGE SH/1				
	FROM PAGE SH/2				

	FROM ABOVE				
	TOTAL FOR ELEMENT NO. 1 SUBSTRUCTURES CARRIED SUMMARY PAGE			KSH	

SH/3

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
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	<u>SUBSTRUCTURE</u>				
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	Vibrated reinforcement concrete (1:2:4) in:-				
A	Beams	CM	4		
B	Columns	CM	1		
	<u>Sawn formwork to:</u>				
C	Sides and soffits of beams and lintols	SM	55		
D	Sides columns curved at radius of 100mm.	SM	9		
	<u>Steel reinforcement:</u>				
	<u>Supply and fix including all necessary living wires and spacer blocks</u>				
E	8mm high tensile square twisted bars	KG	110		
F	12mm Ditto	KG	310		
	TOTAL FOR ELEMENT NO. 2			KSH	
	REINFORCED CONCRETE SUBSTRUCTURES				
	TOTAL				
	CARRIED SUMMARYPAGE.....				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	
	<u>ELEMENT NO.3</u>				
	<u>WALLING</u>				
	<u>Natural building stones or concrete blocks in cement-sand (1:4) mortar and reinforced at alternate course with 25mm x 3mm thick hoop – iron.</u>				
A	200mm thick walling	SM	203		
B	Extra over walling for smooth face dressing and horizontal and vertical keying with 1:3 cement and sand mortar	SM	123		
	<u>Bitumastic pamp proof Course felt cement (1:4) mortar bed.</u>				
C	150mm wide	LM	69		
	<u>Permanent ventilation.</u>				
D	Leave or make hole size 225x225mm through walling for vents	NO	22		
E	225 x225 x12mm thick precast concrete (1:2:4) went block lined with mosquito gauze internally including moulding around in cement – sand (1:3) mortar.	NO	22		
		LM	30		
F	250 x 50mm precast concrete coping				
	TOTAL FOR ELEMENT NO. 3 WALLING CARRIED TO SUMMARY PAGE.....			KSH.	

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SH/5

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	ELEMENT NO.4 ROOFING AND RAINWATER DISPOSAL				
A	100 x50mm wall-plate on beam with 12mm cement/sand (1:3) mortar bed and hoop iron straps (m/s)	LM	31		
B	Make mortice in concrete beam for anchoring hoop iron straps	NO	26		
C	20 x2mm thick hoop iron strapping 800mm long once folded, cst into beams and other ends run over and lapped over timber with adequate nailing.	NO	26		
	Covering				
D	30 gauge prepainted IT 4 sheets on 75 x50mm timber purlins (m/s) with adequate end and side laps.	SM	156		
E	Ditto matching ridge cap/valley cap	LM	44		
	<u>Wrot 1st grade cypress in:-</u>				
F	250 x 25mm fascia/verge boards with one beveled edge and fixed to ends of rafters aand purlins.	LM	58		

	TOTAL CARRIED TO COLLECTION PAGE			KSH.	
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SH/6

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
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	ROOFING (continued) <u>1st grade sawn cypress timber in:-</u>				
A	75 x 50mm purlins	LM	172		
B	150 x 50mm tie beams	LM	97		
C	150 x 50mm rafters	LM	175		
D	100 x 50mm beams files/structs	LM	136		
	<u>Rain water goods in 26 gauge galvanized iron sheet rolled to required shape and hoisting to position.</u>				
E	150 x 150mm deep box gutters fixed to fascia with wrought metal brackets set at 1000mm centres	LM	43		
F	Extra over ditto stopped end with 100mm diameter nozzle outlet	NO	8		
G	Ditto only 150mm diameter nozzle outlet	NO	8		
H	100mm diameter downpipe fixed at walling with holder butts at 1000mm centres one end built into walling including grouting around in mortar.	LM	32		
I	Extra over ditto for swanneck	NO	8		
J	Ditto but shoe 500mm long	NO	8		
	<u>Decoration and painting</u> <u>Knot, prime, destain, prepare and apply one undercoat and two finishing gloss oil paint to:-</u>				
K	Surfaces of timber 200-300mm girth	LM	43		
	<u>Prepare and apply three coats gloss oil paint to:-</u>				
L	General surfaces of metal surfaces	SM	23		
M	Surface timber 200 -300mm girth	LM	32		
	TOTAL CARRIED TO COLLECTION PAGE.....			KSH.	

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	<p>ROOFINF (continued)</p> <p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;">FROM PAGE SH/6</p> <p style="text-align: center;">FROM PAGE SH/7</p> <p>TOTAL FOR ELEMENT NO.3 ROOFING SUMMARY PAGE</p>				

				KSH.	
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SH/8

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	<u>ELEMENT NO.5</u>				
	<u>DOORS</u>				
	<u>METAL DOORS</u>				
A	<u>The following purpose made mild steel doors complete with hanging and locking accessories fabricated in accordance with the architectural designs and once primed with red oxide before delivery to the site by cutting and pinning fixed lugs to walls and plastering reveals in cement 1:3) mortar with all main frame in 50x40mm RHS tubing.</u>	NO	2		
	Double leaf door size 1200mmx2400mm high overall comprising 50x25x3mm thick framing 50x25mm RHS vertical in fills flush welded and jointed to full with of door.				
	<u>TIMBER DOORS</u>				
B	<u>The following in framing and finishes wrot hardwood in:-</u>	LM	43		
C	100x50mm rebated and mouldled framing	LM	43		
D	45x20mm architrave	LM	43		
	30mm quadrant beading				
E	<u>Flush doors</u>	NO	2		
F	50mm thick semi-solid core flush door size 850x2080 lipped all round with hardwood lipping.	NO	5		
	820x20280mm solid core ditto				
	<u>IRONMONGERY</u>				

G	<u>Supply and fix only the following ironmongeries to manufactures instructions with matching screws.</u>				
	100mm pressed brass hinges	Prs	10 ½		
	TOTAL CARRIED TO COLLECTION PAGE			KSH	

SH/9

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
A	2 – Lever mortice lock as “union” or other equal approved with set of lever furniture handles	NO	7		
B	Steel rebated five lever door lock as “union” or other equal approved with set of handle furniture.	NO	2		
C	100mm steel tower bolt	NO	11		
D	Rubber door stop with raw bolt screwed & plugged	NO	11		
	<u>Prepare and apply one undercoat and two finishing coats gloss oil painting to:-</u>				
E	Metal surfaces externally	SM	6		
F	Ditto internally	SM	6		
	<u>Knot, prime, stop and apply one undercoat and two finishing coats to:-</u>				
G	Wood surfaces internally	SM	26		
H	Ditto 100mm girth	LM	43		
I	Ditto 0 – 100mm girth	LM	6		

J	4mm thick clear sheet glass TOTAL CARRIED TO COLLECTION BELOW ... COLLECTION FROM PAGE SH/9 FROM ABOVE TOTAL FOR ELEMENT NO.5 DOORS CARRIED TO SUMMARY PAGE	SM	6	KSH.	
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SH/10

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
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ELEMENT NO.6					
WINDOWS					
<u>The following purpose made burglar proofed metal steel window casements in standard 25mmx3mm Tand Z section framing in medium panes (0.35M) finished with one coat Red-oxide primer before fixing and all complete with necessary fasteners and stays to all openable parts and 7mm vent hood filled with coffee-tray and mosquito gauze to full width all as per architects designs including cutting stone and pinning fixing lungs and beddings and pointing ground reveals in Cement (1:3)mortar.</u>					
A	Windows size 2000x2000mm high with 2 equal 900mm high side-hung openable satchets, one 3 equal sized panel top-hung openable snatch.	NO	1		
B	1800x1200mmdito	NO	6		
C	Ditto size 600x 600mm	NO	2		
GAZING					
<u>4mmthick class in medium panes including cutting and glazing to metal with lead putty</u>					
D	Clear sheet 0.10-0.50sm	SM	6		
E	Obscure sheets ditto	SM	1		
<u>Insitu concrete (1:2:4) as described including form work in:-</u>					
F	Windows cill size (average)65mm thick x 250mm wide weathered and throated.	LM	17		
<u>Pelment Boxes</u>					
G	Wrot hardwood pelment box comprising 150x250mm top fascia and ends fixed on 50x25mm sawn bearer plugged to wall	LM	17		
H	Brass – 1 section curtain track complete with hocks and rollers.	LM	17		
<u>Prepare and apply one undercoat and two coats glass oil finishing paint to:-</u>					
I	Glazed metal surfaces externally	SM	18		
J	Ditto internally	SM	18		
K	Timber 200-300mm high	LM	17		
TOTAL FOR ELEMENT NO.6 WINDOWS					
CARRIED TO SUMMARY PAGE					

				KSH.	
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SH/11

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	<u>ELEMENT NO.7</u>				
	<u>FINISHINGS</u>				
	<u>External Walls</u>				
A	12mm Thick cement-sand (1:4) render to beams	SM	15		
B	15mm thick ditto to wall surfaces	SM	18		
C	Three coats of 1 st grade plastic emulsion paint as per “crown berger” or other equal and approved to plastered/rendered surfaces.	SM	33		
	<u>Internal walls</u>				
D	15mm thick cement-sand (1:4) plaster finished smooth for painting.	SM	321		
E	9mm thick ditto as backing to receive tile.	SM	32		
F	6mm thick glazed ceramic tiling as ‘saj ceramic ltd or equal and approved on plastered walling including masatic pointing	SM	32		
		LM	16		
G	Extra for rounded edge tile				
	<u>Floors</u>				
H	25mm thick Cement-sand (1:4) screed finished smooth.	SM	96		
I	6mm thick approved quality ceramic floor tile	SM	96		
J	100x20mm matching skirting with covered junction at floor and rounded edges at top.	LM	120		
	<u>Ceiling</u>				
K	12mm thick celotex ceiling boards nailed systematically onto timber brandering (m/s) with clout nails and v-jointed.	SM	95		
L	100x20mm wrot cypress moulded cornice with mitre jointing at corners.	LM	140		
M	Extra-over chipboard ceiling for trap door size 600x600mm comprising loose 12mm board set on 50x25mm framing.	NO	2		
	<u>PAINTING and DECORATIONS</u>				
	<u>Prepare and apply three coats “silky vinly as crown berger” plastic emulsion painting to:-</u>				
N	Plastered walls surfaces.	SM	321		
O	Ditto plastered slab and stair surfaces	SM	140		

	ELEMENTS NO.7 FINISHES TOTAL CARRIED TO SUMMARY PAGE			KSH.	
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SH/12

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
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ELEMENT NO. 8 PLUMPING WORKS					
<u>(All work in this element have measured to the outside of the building) medium grade galvanized mild steel tubing and connections and jointing</u>					
A	12mm tubing	LM	90		
B	19mm ditto	LM	60		
C	12mm brass fullway gate valve	NO	2		
D	19mm ditto	NO	2		
E	200 litres approved PVC storage tank complete with ball valve and other necessary accessories including fixing to roof on bearing.	NO	1		
F	Vitroues china water closet complete	NO	1		
G	Vitroues China wash hand basin fixed on semi-concealed brackets complete with two chromium plated bib taps and other accessories.	NO	1		
H	2000x500 Aluminum kitchen sink complete with accessories.	NO	1		
I	32mm diameter medium grade PVC waste pipe	LM	5		
J	100mm ditto went pipe	LM	4		
K	Allow for testing the whole of plumbing installation.	ITEM			
TOTAL ELEMENT SUMMARY CARRIED TO GRAND SUMMARY					KSH

SH/13

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
A	<u>ELEMENT NO.9 DRAINAGE</u>				
	<p><u>Standards types manhole as mow drawing No. (50) 5300 and (50) 5301 including all excavating constructions, benching channels and approved light duty cast iron manhole cover and frame.</u></p>				
	<p>Manhole type "A"</p> <p><u>Excavate trench for pipe not exceeding 150mm diameters not exceeding 1.5 metres total depth part backfilling and remainder cart away</u></p>	NO	3		
	<p>Average depth 500mm</p>	LM	40		
C	<p>100mm diameter medium grade UPVC drain pipe</p>	LM	40		
D	<p>Construct standard 10 person septic tank including two soak pits.</p>	NO	1		

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SH/14

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
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ISIOLO COUNTY WARD OFFICE

ELEMENT NO.1 SUBSTRUCTURES B/F/ FROM SH/3

**ELEMENT NO. 2 R.C
SUPERSTRUCTUREB/F/ FROM SH/4**

**ELEMENT NO. 3 WALLING B/F FROM SH/5
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**ELEMENT NO. 4 ROOFING B/F FROM SH/8
.....**

**ELEMENT NO. 5 DOORS B/F FROM SH/10
.....**

**ELEMENT NO. 6 WINDOWS B/F FROM
SH/11**

**ELEMENT NO. 7 FINISHING B/F FROM
SH/12**

**ELEMENT NO. 8 PLUMBING B/F FROM
SH/13**

**ELEMENT NO. 9 DRAINAGE B/F FROM
SH/14**

**TOTAL ELEMENT SUMMARY
FOR ISIOLO COUNTY MCA'S WARD OFFICE
CARRIED TO GRAND SUMMARY**

KSH.

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS.
	PC AND PROVISIONAL SUMS				
A	Allow a provision sum of Kshs.200,000 for contingencies				200,000
B	Allow a sum of Khs.100,000 for project management				100,000
C	Allow a provision sum of 150,000 for electrical works				150,000
	TOTAL PC. & PROVISIONAL SUMS				

	CARRIED TO GRAND SUMMARY			KSH.	
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PC/1

ITEM NO.	DESCRIPTION	FORTENDERES USE ONLY (KSHS)			OFFICIAL USE ONLY
1.	PARTICULARS PRELIMINARIES				
2.	GENERAL PRELIMINARIES				
3.	OFFICE BLOCK				
4.	PC AND PROVISIONAL SUMS FROM PC/1				
5.	SUB TOTAL (A)				
6.	ADD 16% V.A.T. OF SUB TOTAL				
7.	GRAND TOTAL CARRIED TO FORM OF TENDER				

Amount in Words:

Tenders signature and stamp:

Name:

Name of witness:.....

Signature:

Address:

GS/1