



REPUBLIC OF KENYA

DIRECTORATE OF PUBLIC WORKS

PROPOSED CONSTRUCTION OF ECD CLASSROOMS

AT

TENDER DOCUMENT

W.P ITEM NO.....

**ISSUED BY:
COUNTY WORKS OFFICER,
MINISTRY OF PUBLIC WORKS
P.O BOX 38,
ISIOLO.**

**ISIOLO COUNTY GOVERNMENT
P.O BOX 36
ISIOLO.**

MARCH 2018

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<p>PROPOSED CONSTRUCTION OF 1 NO CLASSROOM</p> <p><u>ELEMENT NO.1 SUBSTRUCTURES</u> <u>(ALL PROVISIONAL)</u></p> <p><u>Note: This element comprises all work up to and including the concrete surface bed.</u></p> <p><u>Earthworks & excavations.</u></p>				
A	Excavate to remove vegetable soil average .mm deep and cart away.	SM	95		
B	Ditto to reduce leves.	CM	20		
C	Excavate surface trench not exceeding 1.5m deep starting from reduce level.	CM	24		
D	Extra over rock excavations.	SM	3		
	<u>FILLING</u>				
E	300mm thick approved hardcore filling well watered rolled and compacted in layers not exceeding 150mm thick.	CM	25		
F	Selected earth filling	CM	12		
G	50mm thick murrum blinding on surface for harddcore .	SM	83		
H	Treat ground with approved anti-termite fluid in accordance with manufacturer's instructions	SM	114		
	Carried forward to page /1				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>ELEMENT NO.3 (CONTD)</u>				
	<u>CONCRETING</u>				
	<u>WEAK CONCRETE (1:4;8) IN:-</u>				
A	50mm thick blinding in foundation bases.	SM	28		
	<u>Concrete (1:2:4) in:-</u>				
B	Foundation	CM	5		
C	100mm thick floor slab	SM	93		
	<u>Steel reinforcement including bending tying wires:</u>				
D	12mm diameter high yield square twisted	KG	120		
E	10mm Ditto	KG	90		
F	A 142 – BRC	SM	93		
	<u>Sawn formwork to:-</u>				
G	Sides of slabs 75 to 150mm high	LM	38		
	<u>Damp proof courses</u>				
H	200mm wide horizontal bituminous laid and bedded in cement mortar 1:3	LM	35		
	Carried forward to page /2				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>ELEMENT NO.1 (CONTD)</u>				
	<u>DAMP PROOF MEMBRANE</u>				
A	500 gauge polythene sheet	SM	93		
	<u>Quarry stone walling polythene sheet</u>				
B	200mm walling	SM	30		
	TOTAL				
	<u>COLLECTION</u>				
	Brought forward from page /1				
	Brought forward from page /2				
	Brought down from above				
	TOTAL CARRIED TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>ELEMENT NO.2 WALLING</u>				
	<u>VIBRATED REINFORCED CONCRETE (1:2:4) IN:</u>				
A	Ring beam concrete	CM	2		
	<u>Steel reinforcement including bending and trying wire</u>				
B	12mm diameter high yield square twisted bars	KG	115		
C	8mm diameter mild round bar	KG	65		
	<u>Dressed quarry stone walling in cement sand mortar 1:4:-</u>				
D	200mm thick walling	SM	83		
	<u>Sawn formwork to:-</u>				
E	Sides and soffits of ring beam	SM	22		
F	75mm diameter hollows steel pipe support	LM	15		
G	100x40mm precast or instu weathered all reinforced with 2No. 12mm steel bars	LM	9		
H	Black board to details	ITEM			
	TOTAL CARRIED TO SUMMARY			KSH.	

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>ELEMENT NO. 3</u> <u>ROOFING</u>				
	<u>Covering</u>				
A	30gauge G.C.I sheet and fixed on timber purlins (measured separately) with two corrugated side laps 75mm end laps (measured net).	SM	125		
B	Ditto for ridge cap	LM	10		
	<u>Construction</u>				
	<u>Sawn celcured cypressor other equal and approved</u>				
C	100x50mm wall plate	LM	17		
D	150x50mm rafters	LM	81		
E	100x50mm purlins strats and ties.	LM	150		
F	150 x 50mm ties beam	LM	50		
G	200x25mmfascia & Berge board	LM	45		
	Carried total to summary				
				KSH.	

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
A	<u>ELEMENT NO. 4</u> <u>DOORS</u> <u>METAL DOORS</u> 45mm thick metal door 1200x2700mm high complete	NO	1		
TOTAL CARRIED TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<p><u>ELEMENT NO. 5</u> <u>WINDOWS</u></p> <p><u>Supply and fix following standard section 1 purpose made hardwood windows with one coat red primer complete with fixing lugs, stays bars, hinges and fasteners.</u></p> <p>A Window overall size 1800 x 1200mm high</p> <p>B Ditto overall size 1800 x 1700mm high</p> <p><u>GLAZING</u></p> <p>C 4mm thick glass in medium panes including cutting and glazing to metal with lead putty</p>	NO	3		
	<p>CARRIED TO SUMMARY PAGE</p>			KSHS	

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<p><u>ELEMENT NO. 6</u> <u>FINISHES</u></p> <p><u>Cement and sand 1:3</u></p> <p><u>FINISHED SMOOTH</u></p>				
A	25mm floor screed	SM	86		
B	25 x 100mm skirting	LM	54		
	<p><u>Internal two coat cement and sand plaster (1:4)</u></p>				
C	12mm finish to walls	SM	80		
D	Ditto externally	SM	15		

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
ELEMENT NO.7 PAINTING					
A	Prepare and apply three coats plastic emulsion paint to walls internally	SM	90		
B	Ditto externally	SM	12		
C	Ditto gloss painted to wood and metal surfaces.	SM	55		
D	Ditto bituminous paint to plinth	SM	10		
Carried total to summary					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT KSHS
	<u>SUMMARY</u>				
	<u>ELEMENT NO. & PAGES FOR ONE CLASSROOM</u>				
1	SUBSTRUCTURE				
2	WALLING				
3	ROOFING				
4	DOORS				
5	WINDOWS				
6	FINISHES				
7	PAINTING				
8	ELECTRICAL WORKS				
9	CONTINGENCY				40,000
	PROJECT MANAGEMENT EXPENSES				20,000
	TOTAL				
	ADD 16% V.A.T				
	GRAND TOTAL				