



REPUBLIC OF KENYA



## COUNTY GOVERNMENT OF NYANDARUA

DEPARTMENT OF PUBLIC WORKS, ROADS, TRANSPORT, HOUSING AND  
ENERGY

PROPOSED RENOVATION OF KAGONDI ECDE CLASSROOM BLOCK-GITHIORO  
WARD

FOR

THE DEPARTMENT OF EDUCATION, CHILDREN, GENDER AFFAIRS, CULTURE  
AND SOCIAL SERVICES

### BILLS OF QUANTITIES

ARCHITECT,  
COUNTY ARCHITECT,  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 701-20303,  
OL KALOU

QUANTITY SURVEYOR,  
COUNTY QUANTITY SURVEYOR,  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 701-20303,  
OL KALOU

ELEC/MECH ENGINEER  
COUNTY ELEC / MECH. ENGINEER,  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 701-20303,  
OL KALOU

STRUCTURAL ENGINEER,  
COUNTY ENGINEER - STRUCTURAL  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 701-20303,  
OL KALOU

SEPTEMBER, 2024

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<p><u>ELEMENT NO. 01 - PRELIMINARIES</u></p> <p>The Contractor is to allow for all Preliminaries including site offices and stores, transport of workmen to and from site, transport of materials, supply, setting out, servicing, fueling of the plant and equipment, provision of plant operator, insurance for the works shall be the sole responsibility of the contractor and all other preliminaries incidental to these works</p>				
A	Allow for all Preliminaries associated with the works	Item	1		
	Element 01				
	PRELIMINARIES CARRIED TO GRAND SUMMARY			KSHS	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<u>ELEMENT NO. 02 - SUBSTRUCTURES</u>				
	<u>Oversite excavation</u>				
A	Excavate oversite to remove top soil average 1.5mm deep To reduce level	SM	108		
	<u>Excavation</u>				
B	Return, fill-in and rum selected excavated materials around foundations	CM	94		
C	Remove and cart away from site surplus excavated materials spread on site as shown by the Client.	CM	14		
	<u>Filling</u>				
D	Hardcore filling in making up levels, hand packed, exceeding 300mm thick in layers of 150mm maximum thickness	CM	14		
E	50mm thick murrum blinding to surfaces of fill	SM	74		
	<u>Antitermite treatment</u>				
F	Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	SM	74		
	Element 02				
	Substructure (All Provisional) Carried Forward			Kshs.	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<b>Brought Forward</b>			<b>Kshs.</b>	
A	150mm thick bed  <u>Fabric; B.S. 4483</u>	SM	74		
B	Reference A98 mesh 200 x 100 mm , weight 1.54 kgs per square meter ( measured net - no allowance made for laps( including bends, tying wire and distance blocks	SM	74		
	Element 02				
	<b>Substructure (All Provisional) Carried Forward</b>			<b>Kshs.</b>	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
A	<p style="text-align: right;">Brought Forward</p> <p><u>Damp proofing</u></p> <p>Polythene sheet; 500 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding</p>	SM	74	Kshs.	
	Element 02				
	SUBSTRUCTURES CARRIED TO SUMMARY			KSHS	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<u>ELEMENT NO. 03 - WALLING</u>				
	<u>Precast concrete grade 20(20mm aggregate) including formwork, finishing fair on all exposed surfaces and hoisting and placing in position, bedding, jointing and pointing in cement and sand (1:4) mortar</u>				
A	WINDOW CILL; 225 x 50 mm extreme height; once weathered; once throated; reinforced as necessary for handling; surface fair finish 275 mm girth; bedding, jointing and pointing in cement sand (1:3) mortar	LM	10		
B	200 mm eaves filling, 200mm high including dressing between rafters	LM	17		
	<u>Labour and material</u>				
C	Raking cutting in 200mm thick natural stone walling	LM	21		
D	Extra over horizontal keying in 10mm thick rod in cement and sand (1:3) mortar; one coat of bituminous paint.	SM	86		
	Element 03				
	<b>WALLING</b>			<b>KSHS</b>	
	<b>CARRIED TO SUMMARY</b>				

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<b><u>ELEMENT NO. 04 - ROOFING</u></b>				
	<u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>				
A	Roof covering not exceeding 45 <sup>0</sup> from horizontal; fixing to timber structure (m/s) with roofing nails and neoprene washers.	SM	112		
	<u>Accessories, fixing as necessary to roof sheets</u>				
B	150mm dia. Half round ridge cap	LM	12		
	<u>The following in wrot cypress</u>				
C	200 x 25mm thick fascia/barge boards	LM	44		
	<u>Labour and material</u>				
D	12mm diameter rag bolt, 200mm long complete with and including head, nut and two washers; cast into and including mortice in stone or concrete and run with cement and sand (1:3) mortar	NO	12		
E	Drill 50mm thick timber to receive 12mm dia. Bolt (m/s)	NO	12		
	Element 04				
	<b>Roofing (All Provisional)</b>	<b>Carried Forward</b>		<b>Kshs.</b>	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
A	<p style="text-align: right;">Brought Forward</p> <p><u>Painting and Decorations</u></p> <p><u>On Woodwork</u></p> <p><u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u></p> <p>Fascias; 200 to 300mm girth; external</p> <p>Element 04</p>	LM	44	Kshs.	
	<p>ROOFING</p> <p style="text-align: center;">CARRIED TO SUMMARY</p>			KSHS	



Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<b>ELEMENT NO. 05-OPENINGS</b>				
	<u>Painting and Decorations</u>				
	<u>Aluminium primer or other equal and approved wood primer before fixing: -</u>				
A	Backs of frame, board, etc over 100mm but not exceeding 200mm girth	LM	7		
B	Ditto not exceeding 100mm girth	LM	14		
	<u>Knot, prime and stop and prepare and apply one undercoat and three coats of gloss oil paint to woodwork internally</u>				
C	General surfaces of timber doors	SM	5		
D	Frames; 100mm to 200mm girth	LM	7		
E	Ditto not exceeding 100mm girth	LM	14		
	<u>WINDOWS</u>				
	<u>Glazing</u>				
F	4mm Thick clear sheet glass panes; fixing with premium putty	SM	14		
	<u>Prepare and apply one coat etching primer; one undercoat and two coats gloss oil paint to Crown Solo or other equal and approved to: -</u>				
G	General surfaces of metal casement doors and windows; over 300mm girth.	SM	35		
	Element 05				
	Openings	Carried Forward		Kshs.	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Element 06-FINISHES <u>Render; 18mm thick, 1 No. coat work of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -</u>				
A	Beams and walls; external	SM	33		
	<u>Plaster; 18mm thick, 2 No. coat work, 15mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base</u>				
B	Walls; internal	SM	85		
	<u>Electrical conduit work</u>				
C	installation of conduits and boxes for lighting and power points	ITEM	1		
	<u>Floor finishes</u>				
	<u>Insitu Finishings</u>				
	<u>Screed; cement and sand (1:3) coloured</u>				
D	40mm thick red-oxide screed to concrete or blockwork base generally to floors level; internal	SM	74		
E	100mm wide skirting; rounded junction with wall finish, coved junction with floor finish.	LM	38		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
F	Rendered surfaces	SM	33		
G	Plastered surfaces	SM	85		
	Element 06				
	Finishes			Kshs.	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<b>Brought Forward</b>			<b>Kshs.</b>	
	<u>Ceiling finishes</u>				
	<u>Wrot cypress</u>				
A	75 x 25mm moulded cornice	LM	40		
	<u>Approved sawn softwood; second grade; pressure impregnated.</u>				
B	50 x 50mm brandering	LM	109		
C	50 x 50mm ditto; plugged	LM	81		
	<u>Chip board</u>				
D	9mm thick plain chip-board ceiling boards nailed to timber brandering (m/s); nails punched and puttied	SM	62		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
E	Chip-board ceiling boards	SM	62		
F	Moulded cornice not exceeding 100mm girth	LM	40		
	Element 06				
	<b>FINISHES</b>			<b>KSHS</b>	
	<b>CARRIED TO SUMMARY</b>				

<u>SUMMARY</u>			
Item	Element	Page. No	Amount
1	Substructures (All Provisional)	BW / 4	
2	Walling	BW / 5	
3	Roofing Construction and Covering	BW / 7	
4	Openings	BW / 8	
5	Finishes	BW / 10	
<b>TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY</b>			

## PROVISIONAL SUMS

<u>PROVISIONAL SUMS</u>					
	<u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</u>				
A	Allow a Provisional Sum of Kenya shillings thirty Thousand only for Supervisory Expenses	ITEM			30,000
	<b>PROVISIONAL SUMS CARRIED TO SUMMARY</b>			<b>KSHS</b>	<b>30,000</b>

## GRAND SUMMARY

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	FOR OFFICIAL USE ONLY	FOR TENDERER USE ONLY
			KSHS.	KSHS.
A	Preliminaries	BW/1		
B	Builder's Works	BW / 11		
C	P.C & Provisional Sums	BW / 13		30,000.00
	SUB-TOTAL			
	ADD 1% PROJECT MANAGEMENT PAYABLE TO COUNTY REVENUE ACCOUNT			
	TOTAL CARRIED TO FORM OF TENDER INCLUSIVE OF 16% V.A.T.			

Amount in words. Kenya shillings .....

.....

.....Cents .....

Tenderer's Signature and stamp.....

Address .....

.....

Date .....

Witness Signature .....

Address .....

.....

Date .....