REPUBLIC OF KENYA

MINISTRY OF TRANSPORT, INFRASTRUCTURE, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT OF PUBLIC WORKS

BILL OF QUANTITIES

FOR

PROPOSED CONSTRUCTION OF 3NO. CLASSROOMS, AND PURCHASE OF 60 3-SEATER DESKS AT BEMBO PRIMARY SCHOOL

NG-CDF-KILIFI SOUTH

REGIONAL QUANTITY SURVEYOR
COAST REGION
P.O. BOX 90350
MOMBASA

REGIONAL WORKS OFFICER
COAST REGION
P.O. BOX 90350
MOMBASA

F/Y 2026/2027

3NO CLASSROOMS:-

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 1: -				
	SUBSTRUCTURE (ALL PROVISIONAL): -				
A	Excavate oversite average 150mm deep and cart away	330	Sm		
B	Excavate trench for strip foundation not exceeding 1.5m deep	120	Cm		
C	Return fill and ram	59	Cm		
D	Cart away surplus excavated materials	62	Cm		
E	Extra-over excavation for excavating in rock	30	Cm		
F	Allow for planking and strutting	1	Item		
G	Allow for keeping excavations free from water	1	Item		
	Hardcore: -				
H	300mm thick approved hardcore	285	Sm		
I	50mm thick murram blinding	285	Sm		
J	Treat hardcore surface with approved antitermite	285	Sm		
	Concrete works: -				
K	Plain concrete (1:4:8) in 50mm blinding under strip foundation	77	Sm		
	Carried to collection				

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Item No	Description	Qty	Unit	Rate	Total (Kshs)
	Vibrated reinforced concrete (1:2:4) in: -				
A	Strip foundation	14	Cm		
B	100mm surface slab	342	Sm		
	Formwork to: -				
C	Edges of surface slab 75 - 150mm wide	96	Lm		
	High yield deformed bars: -				
D	8mm diameter bars	167	Kg		
E	10mm ditto	435	Kg		
F	BRC mesh type A142	285	Sm		
	Sub-wall: -				
G	200mm thick natural stone block walling in cement sand (1:3)mortar reinforced every alternate course with hoop iron	167	Sm		
H	Ditto attached pier size 400x200mm	32	Lm		
	Carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	Damp proof course: -				
A	200mm wide Hessian based Bituminous felt DPC	93	Lm		
	Damp proof membrane: -				
B	1000 gauge polythene DPM	285	Sm		
	Plinth: -				
C	15mm thick cement sand (1:3) rendering on plinth wall	33	Sm		
D	Prepare and three coats Bitumastic paint on plinth walls	33	Sm		
	Paved area around the building: -				
E	Cast insitu 600mm x 600mm concrete paved area	53	Sm		
	Carried to collection below				
	COLLECTION: -				
	Brought forward from page CL / 1				
	Brought forward from page CL / 2				
	Brought down from above				
	TOTAL OF SUBSTRUCTURE,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 2: -				
	REINFORCED CONCRETE				
	RING BEAM				
	Vibrated reinforced concrete (1:2:4) in: -				
A	Beams	6	Cm		
	Formwork to: -				
E	Sides and soffites of ring beams	63	Sm		
	High yield deformed bars: -				
K	8mm diameter bars	203	Kg		
M	12mm ditto	381	Kg		
	TOTAL OF R.C SUPERSTRUCTURE,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 3: -				
	WALLING: -				
A	200mm thick machine cut coral block walling in cement sand (1:3) mortar reinforced every alternate course with hoop iron	239	Sm		
B	Ditto attached pier size 400x200mm	72	Lm		
	TOTAL OF WALLING,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 4: -				
	ROOFING: -				
	Sawn treated cypress: -				
A	100 x 50mm rafters	332	Lm	245	81,340
B	150 x 50mm tie beams	144	Lm	365	52,560
C	150 x 50mm king posts	36	Lm		
D	100 x 50mm ties and strutts	324	Lm		
E	150x50mm verandah joist	29	Lm		
F	100 x 50mm wall plate	57	Lm		
G	75 x 50mm purlins	324	Lm		
H	200 x 25mm wrot cypress fascia board	95	Lm		
I	75mm diameter x 2mm thick mild-steel CHS verandah posts	41	Lm		
J	75mm wide x 250mm girth x 3mm thick "U' shaped plate welded to top of pipe	14	No		
K	25 x 25 x 100mm long mild-steel angle lugs welded to bottom of pipes	28	No		
	Roof coverings: -				
L	30 gauge pre-painted Corrugated roofing sheets	371	Sm		
M	Matching ridge caps	30	Lm		
N	Prepare and apply under-coat and two coats gloss oil paint on fascia board 200-300mm girth	95	Lm		
	TOTAL OF ROOFING CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 4:- **DOORS: -**				
A	Heavy duty mild-steel door size 1400 x 2500mm comprising 50 x 50 x 3mm thick SHS framing, 4mm thick gauge welded to framing including all necessary hinges, bolts and metal lugs	3	No		
B	Prepare and apply primer and two coats gloss oil paint on mild-steel surfaces	24	Sm		
	TOTAL OF DOORS,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 5: -				
	WINDOWS: -				
	Heavy duty mild-steel of casement window comprising 50 x 45 x 3mm thick framing ("Z" and "T" - Sections) including all necessary hinges, bolts, fasteners, stays, metal lugs excluding glass:				
A	Window size 1500 x 1500mm	21	No		
B	Grilled sections with mild steel 8mm thick for the moveable and unmoveable sections	48	Sm		
C	Prepare and apply primer and two coats gloss oil paint on mild-steel surfaces	96	Sm		
	TOTAL OF WINDOWS,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 6: -				
	FINISHES: -				
	Wall finishes: -				
A	15mm thick cement, sand, lime (1:1:6) plaster on walls, internally	309	Sm		
B	15mm thick cement sand (1:3) rendering on walls externally	215	Sm		
	Floor finishes: -				
C	25mm thick cement sand (1:3) floor screed	338	Sm		
	Black-board size 6x1.5m(2No): -				
E	15mm thick cement, sand, lime (1:3) plaster mixed with black oxide	27	Sm		
	Painting: -				
	Prepare and apply undercoat and two coats first quality silk vinyl paint on: -				
F	Walls internally	309	Sm		
G	Rendered walls beams and columns externally	215	Sm		
H	Prepare and apply three coats first black-board paint	27	Sm		
	TOTAL OF FINISHES, CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	SUMMARY: -				
1	SUBSTRUCTURE FROM PAGE CL/3				
2	RING BEAM FROM PAGE CL/ 4				
3	WALLING FROM PAGE CL / 5				
4	ROOFING FROM PAGE CL / 7				
5	DOORS FROM PAGE CL / 8				
6	WINDOWS FROM PAGE CL / 9				
7	FINISHES FROM PAGE CL/10				
	TOTAL OF 3NO CLASSROOMS				
	CARRIED TO MAIN SUMMARY				

DESKS

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	Purchase and supply to the school 60 three seater desks as of hardwood as per the specification of the project man	60	No		
	TOTAL OF LOCKERS AND CHAIRS				
	CARRIED TO MAIN SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	PRIME COST & PROVISIONAL SUMS:-				
A	Provide a provisional sum of Kenya Shillings Two forty Thousand for Administration of the Project including PMC and Supervision to be deducted partly or whole by the project manager				240,000
B	Provide a provisional sum of Kenya Shillings twenty Thousand for Branding of project				20,000
C	Provide a provisional sum of Kenya shillings Seventy Five thousand for electrical works which caters for electical conduits and piping.				75,000
	TOTAL OF PC & PROVISIONAL SUMS,				
	CARRIED TO MAIN SUMMARY				**335,000**

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	MAIN SUMMARY: -				
A	PRELIMINARIES				
B	3NO CLASSROOMS FROM PAGE CL/13				
C	DESKSFROM PAGE LC/1				
D	PC & PROVISIONAL SUMS FROM PAGE PS/ 1				335,000
	SUB-TOTAL				
	ALLOW 16% VAT				
	ALLOW 0.03% CAPACITY BUILDING LEVY				
	TOTAL CARRIED TO FORM OF TENDER				

AMOUNT IN WORDS: …….

…….

CONTRACTOR'S NAME: …….

ADDRESS: …….

SIGNATURE: …….. DATE: ……...…….

NAME OF WITNESS: ……

ADDRESS: …….

SIGNATURE: …….. DATE: ……..