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 FIRST FLOOR, SECOND FLOOR AND THIRD FLOOR AT AN EXISTING GROUND FLOOR OF A 3 STOREY BUILDING CONSISTING OF 3NO. CLASSROOMS IN EACH FLOOR AT KOLONGONI SECONDARY 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

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 1: -				
	REINFORCED CONCRETE SUPERSTRUCTURE:-				
	Vibrated reinforced concrete (1:2:4) in: -				
A	Beams	9	Cm		
B	Columns	6	Cm		
C	Staircase	7	Cm		
D	Ramp	10	Cm		
E	150mm thick suspended slab	239	Sm		
	Formwork to: -				
F	Sides and soffites of beams	124	Sm		
G	Vertical sides of columns	98	Sm		
H	Soffites of suspended slab	239	Sm		
I	Soffites and sides of staircase and landing	14	Sm		
J	Soffites and sides of ramp	45	Sm		
K	Edges of suspended slab 75 - 150mm wide	85	Lm		
L	Edges of staircase risers ditto	27	Lm		
	High yield deformed bars: -				
K	Assorted bars (D8, D10, D12 & D16)	8142	Kg		
	TOTAL OF RC SUPERSTRUCTURE				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 2: -				
	WALLING: -				
A	200mm thick machine cut coral block walling bedded and jointed in cement sand (1:3) mortar and reinforced every alternate course with hoop iron	217	Sm		
B	200mm thick pre-cast concrte vent block walling bedded and jointed in cement sand (1:3) mortar	7	Sm		
	TOTAL OF WALLING,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 3: -				
	DOORS: -				
A	Heavy duty mild-steel door size 900x 2400mm comprising 50 x 50 x 2mm thick RHS main framing, 45x25x2mm thick shutter framing 4mm thick panelled plates welded to framing including all necessary heavy duty hinges, bolts, fanlights with with mosquito gauze and metal lugs	3	No		
B	Prepare and apply primer and two coats first quality gloss oil paint on mild-steel surfaces	14	Sm		
	TOTAL OF DOORS,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 4: -				
	WINDOWS: -				
	Heavy duty mild-steel casement window comprising 40 x 40 x 2mm thick framing ("Z" and "T" - Sections) including all necessary hinges, bolts, fasteners, stays, fanlights with mosquito gauze and metal lugs: -				
A	Window size 1500 x 1500mm	21	No		
B	5mm clear glass and glazing with metal putty in panes 0.1 - 0.5sm	47	Sm		
C	250x50mm reinforced concrete (1:2:4) window cill including all necessary renforcement, formwork and plaster	38	Lm		
	Painting: -				
D	Prepare and apply primer and two coats gloss oil paint on mild-steel surfaces	94	Sm		
E	Ditto 200-300mm girth	38	Lm		
	TOTAL OF WINDOWS,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO.5: -				
	FIXTURES AND FITTINGS: -				
	Staircase, ramp and balcony railings: -				
	Mild-steel members welded together and neatly grinded at weld joints: -				
A	50mm diameter x 2mm thick CHS Hand	70	Lm		
B	Ditto mid and bottom rails	140	Lm		
C	50mm diameter x 2mm thick balusters 900mm high	468	No		
D	Mortice in concrete size 100 x 100 x 100mm deep and grout with cement sand (1:3) mortar	468	No		
E	Fanged ends of balusters	468	No		
F	Prepare and apply primer and two coats gloss oil paint on 50mm diameter mild-steel pipes	631	Lm		
	White board: -				
G	White board size 6x1.2m	3	No		
	TOTAL OF FIXTURES AND FITTINGS, 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, beams and columns internally	342	Sm		
B	Ditto door and window jambs	29	Sm		
C	15mm thick cement, sand (1:3) rendering on walls, beams and columns internally	235	Sm		
	Floor finishes: -				
D	25mm thick cement sand (1:3) screed to receive floor tiles	268	Sm		
E	Ditto to staaircase and landing to receive terrazzo	14	Sm		
F	Ditto to ramp to receive terrazzo	45	Sm		
G	300 x 300 x 8mm ceramic floor tiles fixed with approved adhesive	268	Sm		
H	25mm polished terrazzo on staircase and landing	14	Sm		
	Ditto to ramp	45	Sm		
I	100 x 8mm cerami skirting	114	Lm		
J	100 x 25mm terrazzo skirting	41	Lm		
	Ceiling finishes: -				
K	15mm thick cement, sand, lime (1:1:6) plaster to soffites of suspended slab	239	Sm		
L	Ditto Soffites and sides of staircase and landing	14	Sm		
M	Ditto Soffites of ramp	45	Sm		
	Carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	Painting: -				
A	Prepare and apply undercoat and two coats first quality plastic emulsion paint on plastered walls internally	371	Sm		
B	Ditto rendered walls externally	235	Sm		
C	Prepare and apply undercoat and two coats first quality plastic emulsion paint on plastered ceiling	239	Sm		
D	Ditto soffites of staircase and landing	14	Sm		
E	Ditto Soffites of ramp	45	Sm		
	Carried to collection below				
	COLLECTION: -				
	Brought forward from page FST/6				
	Brought down from above				
	TOTAL OF FINISHES,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO 8				
	ELECTRICAL WORKS:-				
	LIGHTING INSTALLATION				
	LIGHTING POINTS				
A	Lighting points wired in 3x1.5mm2 PVC/SC copper cables drawn in concealed 20mm diameter heavy duty gauge PVC conduits including all boxes, sadles and accessories excluding the light fitting and switch for:				
	i)One way switching	27	No		
	ii)Two way switching	2	No		
	LIGHTING ACCESSORIES:-				
B	10A Single plates moulded plate switch for flush mounting				
	i)One gang two way	6	No		
	ii)Two gang two way	2	No		
	LIGHT FITTINGS WITH LAMPS:-				
C	14W, 1x1200mm LED Luminaire	23	No		
D	Weather proof bulkhead fitting complete with a glass cover, metallic base and 9W LED lamp	4	No		
E	50W flood light	2	No		
	carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	INTERNAL POWER INSTALLATION				
	POWER POINTS				
A	13A Socket outlet points comprising wiring in 3x2.5mm2 SC-PVC pure copper cables in the ring circuit drawn in 20mm DIA HG PVC conduits concealed in the Building Fabric from the Distribution board but without the outlet plate	12	No		
	POWER ACCESSORIES:-				
B	13A twin white moulded single socket outlet plate for flush mounting and connection to the raw power supply	12	No		
	POWER DISTRIBUTION:-				
C	Recessed 8-Way SPN Consumer Unit incorporating 32A DP MCB isolator, lockable front door, labeling front cover	1	No		
	Miniature circuit breakers for incorporating in distribution board				
B	5A SP	4	No		
C	10A SP	4	No		
	SUB-MAINS CABLE :-				
D	Submains comprising 3x10mm2 single core PVCI copper cable drawn in 32mm diameter HG PVC Conduit concealed in the building fabric from the cable looping box to the consumer unit	40	Lm		
	Total carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	Fire Extinguishers:-				
	Water extinguisher with CO2 propellant for class A fire				
B	9 Liter CO2 fire extinguisher	2	No		
	Foam extinguisher with CO2 propellant for class A & B fires				
C	9 Liter AFFF multi-purpose foam spray FE complete with catridge and wall fixing bravket	2	No		
	CARRIED TO COLLECTION BELOW				
	COLLECTION Brought forward from page FST/8 Brougt forward from page FST/9 Brought down from above				
	TOTAL OF ELECTRICAL WORKS				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	SUMMARY: -				
1	REINFORCED CONCRETE SUPER-STRUCTURE FROM PAGE FST/1				
2	WALLING FROM PAGE FST/2				
3	DOORS FROM PAGE FST/3				
4	WINDOWS FROM PAGE FST/4				
5	FIXTURES AND FITTINGS FROM PAGE FST/5				
6	FINISHES FROM PAGE FST/7				
7	ELECTRICAL WORKS FROM PAGE FST/10				
	TOTAL OF FIRST FLOOR,				
	CARRIED TO MAIN SUMMARY				

SECOND FLOOR

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 1: -				
	REINFORCED CONCRETE SUPERSTRUCTURE:-				
	Vibrated reinforced concrete (1:2:4) in: -				
A	Beams	9	Cm		
B	Columns	6	Cm		
C	Staircase	7	Cm		
D	Ramp	10	Cm		
E	150mm thick suspended slab	239	Sm		
	Formwork to: -				
F	Sides and soffites of beams	124	Sm		
G	Vertical sides of columns	98	Sm		
H	Soffites of suspended slab	239	Sm		
I	Soffites and sides of staircase and landing	14	Sm		
J	Soffites and sides of ramp	45	Sm		
K	Edges of suspended slab 75 - 150mm wide	85	Lm		
L	Edges of staircase risers ditto	27	Lm		
	High yield deformed bars: -				
K	Assorted bars (D8, D10, D12 & D16)	8142	Kg		
	TOTAL OF RC SUPERSTRUCTURE				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 2: -				
	WALLING: -				
A	200mm thick machine cut coral block walling bedded and jointed in cement sand (1:3) mortar and reinforced every alternate course with hoop iron	217	Sm		
B	200mm thick pre-cast concrte vent block walling bedded and jointed in cement sand (1:3) mortar	7	Sm		
	TOTAL OF WALLING, CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 3: -				
	DOORS: -				
A	Heavy duty mild-steel door size 900x 2400mm comprising 50 x 50 x 2mm thick RHS main framing, 45x25x2mm thick shutter framing 4mm thick panelled plates welded to framing including all necessary heavy duty hinges, bolts, fanlights with with mosquito gauze and metal lugs	3	No		
B	Prepare and apply primer and two coats first quality gloss oil paint on mild-steel surfaces	14	Sm		
	TOTAL OF DOORS,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO. 4: -				
	WINDOWS: -				
	Heavy duty mild-steel casement window comprising 40 x 40 x 2mm thick framing ("Z" and "T" - Sections) including all necessary hinges, bolts, fasteners, stays, fanlights with mosquito gauze and metal lugs: -				
A	Window size 1500 x 1500mm	21	No		
B	5mm clear glass and glazing with metal putty in panes 0.1 - 0.5sm	47	Sm		
C	250x50mm reinforced concrete (1:2:4) window cill including all necessary renforcement, formwork and plaster	38	Lm		
	Painting: -				
D	Prepare and apply primer and two coats gloss oil paint on mild-steel surfaces	94	Sm		
E	Ditto 200-300mm girth	38	Lm		
	TOTAL OF WINDOWS,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO.5: -				
	FIXTURES AND FITTINGS: -				
	Staircase, ramp and balcony railings: -				
	Mild-steel members welded together and neatly grinded at weld joints: -				
A	50mm diameter x 2mm thick CHS Hand	70	Lm		
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D	Mortice in concrete size 100 x 100 x 100mm deep and grout with cement sand (1:3) mortar	468	No		
E	Fanged ends of balusters	468	No		
F	Prepare and apply primer and two coats gloss oil paint on 50mm diameter mild-steel pipes	631	Lm		
	White board: -				
G	White board size 6x1.2m	3	No		
	TOTAL OF FIXTURES AND FITTINGS, 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, beams and columns internally	342	Sm		
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	Carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
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E	Ditto Soffites of ramp	45	Sm		
	Carried to collection below				
	COLLECTION: -				
	Brought forward from page SCD/6				
	Brought down from above				
	TOTAL OF FINISHES,				
	CARRIED TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	ELEMENT NO 8				
	ELECTRICAL WORKS:-				
	LIGHTING INSTALLATION				
	LIGHTING POINTS				
A	Lighting points wired in 3x1.5mm2 PVC/SC copper cables drawn in concealed 20mm diameter heavy duty gauge PVC conduits including all boxes, sadles and accessories excluding the light fitting and switch for:				
	i)One way switching	27	No		
	ii)Two way switching	2	No		
	LIGHTING ACCESSORIES:-				
B	10A Single plates moulded plate switch for flush mounting				
	i)One gang two way	6	No		
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	LIGHT FITTINGS WITH LAMPS:-				
C	14W, 1x1200mm LED Luminaire	23	No		
D	Weather proof bulkhead fitting complete with a glass cover, metallic base and 9W LED lamp	4	No		
E	50W flood light	2	No		
	carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	INTERNAL POWER INSTALLATION				
	POWER POINTS				
A	13A Socket outlet points comprising wiring in 3x2.5mm2 SC-PVC pure copper cables in the ring circuit drawn in 20mm DIA HG PVC conduits concealed in the Building Fabric from the Distribution board but without the outlet plate	12	No		
	POWER ACCESSORIES:-				
B	13A twin white moulded single socket outlet plate for flush mounting and connection to the raw power supply	12	No		
	POWER DISTRIBUTION:-				
C	Recessed 8-Way SPN Consumer Unit incorporating 32A DP MCB isolator, lockable front door, labeling front cover	1	No		
	Miniature circuit breakers for incorporating in distribution board				
B	5A SP	4	No		
C	10A SP	4	No		
	SUB-MAINS CABLE :-				
D	Submains comprising 3x10mm2 single core PVCI copper cable drawn in 32mm diameter HG PVC Conduit concealed in the building fabric from the cable looping box to the consumer unit	40	Lm		
	Total carried to collection				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	Fire Extinguishers:-				
	Water extinguisher with CO2 propellant for class A fire				
A	9 Liter CO2 fire extinguisher	2	No		
	Foam extinguisher with CO2 propellant for class A & B fires				
B	9 Liter AFFF multi-purpose foam spray FE complete with catridge and wall fixing bravket	2	No		
	CARRIED TO COLLECTION BELOW				
	COLLECTION Brought forward from page SCD/8 Brougt forward from page SCD/9 Brought down from above				
	TOTAL OF ELECTRICAL WORKS				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	SUMMARY: -				
1	REINFORCED CONCRETE SUPER-STRUCTURE FROM PAGE SCD/1				
2	WALLING FROM PAGE SCD/2				
3	DOORS FROM PAGE SCD/3				
4	WINDOWS FROM PAGE SCD/4				
5	FIXTURES AND FITTINGS FROM PAGE SCD/5				
6	FINISHES FROM PAGE SCD/7				
7	ELECTRICAL WORKS FROM PAGE SCD/10				
	TOTAL OF SECOND FLOOR,				
	CARRIED TO MAIN SUMMARY				

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	PRIME COST AND PROVISIONAL SUMS: -				
	PROVISIONAL SUMS: -				
A	Provide a provisional sum of Kenya Shillings Fifty Thousand for Contigencies				50,000
B	Provide a provisional sums of Kenya Shillings Two Hundred Thousand for Project Management Technical team				200,000
C	Provide a provisional sums of Kenya Shillings One Hundred and Forty Thousand for Project Management PMC				140,000
D	Provide a provisional sums of Kenya Shillings Twenty for project branding				20,000
	TOTAL OF PROVISIONAL AND PRIMECOST				
	SUMS, CARRIED TO SUMMARY				**410,000**

No	Description	Qty	Unit	Rate	Total (Kshs)
	MAIN SUMMARY: -				
A	PRELIMINARIES				
B	FIRST FLOOR FROM PAGE FST/11				
C	SECOND FLOOR FROM PAGE SCD/11				
E	P.C SUM & PROVISIONAL SUMS FROM PAGE PS / 1				410,000
	SUB-TOTAL				
	ADD 16% VAT				
	ADD 0.03% PPRA LEVY				
	TOTAL CARRIED TO FORM OF TENDER				

AMOUNT IN WORDS: …….

…….

CONTRACTOR'S NAME: …….

ADDRESS: …….

SIGNATURE: …….. ……..

NAME OF WITNESS: ……

ADDRESS: …….

SIGNATURE: …….. ……..