



ZAMBIA RAILWAYS LIMITED

ZRL BATOKA OFFICES BOQ

LOCATION: BATOKA

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	BUSH CLEARING				
1.1	Remove, cut and /or uproot all trees within perimeter of structure.	Sum	1.00		
1.2	Clear site of all grass and shrubs	m ²	379.49		
	Subtotal				
2	EXCAVATION				
2.1	Removing top soil in areas for building works up to 150mm depth in vegetation soil	m ³	56.92		
2.2	Set out building complete with profiles	Item	1.00		
2.3	Excavate for strip foundations upto a depth as prescribed (800mm wide)	m ³	100.00		
	Subtotal				
3	SUBSTRUCTURE				
3.1	Foundation				
3.1.1	Treat all earth-exposed sides of the foundation trenches with approved termite repellent.	m ²	350.00		
3.1.2	Cast insitu concrete blinding grade C10 (50mm x 800mm)	m ³	10.00		
3.1.3	Cast insitu strip foundation footing concrete grade 25/20 (800mmx200mm)	m ³	20.00		
3.2	Foundation Walls				
3.2.1	Erect 200mm thick hollow concrete block walls filled with lean concrete and reinforced with one course of brickforce	m ²	85.00		
3.3	Backfilling/Compaction				
3.3.1	Backfill trenches in common material and compacting every 200mm thickness	m ³	80.01		
3.3.2	Compact foundation box insitu earth material to 93% mod. AASHTO	m ²	210.21		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.3.3	Import 150mm thick laterite and compact to 95% mod. AASHTO	m ³	31.53		
3.3.4	Treat exposed compacted laterite surface with termite repellent	m ²	210.21		
3.4	Ground Floor Slab				
3.4.1	Supply and lay dump proof membrane (polythene sheet) to cover all exposed earth surfaces	m ²	210.21		
3.4.2	Supply and lay 86" conforce wire mesh with a 30mm cover to top	m ²	210.21		
3.4.3	Cast a 150mm thick concrete floor slab grade 25/20 as depicted in the drawings	m ³	31.53		
	Subtotal				
4	SUPER STRUCTURE				
4.1	Bricklaying				
4.1.1	Set out super structure according to contract drawings provided	item	1.00		
4.1.2	Lay 200mm wide dpc for 200mm thick walls.	m	45.00		
4.1.3	Lay 150mm wide dpc for 150mm thick walls	m	85.55		
4.1.4	Erect 200mm thick hollow concrete block walls in 1:4 cement/sand mortar reinforced with brickforce every third course.	m ²	107.09		
4.1.5	Erect 150mm thick hollow concrete block walls in 1:4 cement/sand mortar reinforced with brickforce every third course	m ²	197.68		
4.2	Ring Beam/Lintels				
4.2.1	Supply and erect formwork to formulate 200X200mm deep ringbeam.	m ²	22.70		
4.2.2	Supply and fix 12mm high yield rebars cut to suit on site for ringbeams	kg	302.36		
4.2.3	Supply and fix 6mm and round bars according to bar bending schedule	kg	81.54		
4.2.4	Cast concrete ringbeam grade 25/50	m ³	4.54		
	Subtotal				
5	ROOFING				
5.1	Trusses				
5.1.1	Supply and fix 200x38 SW timber wall plate complete with tying wire	m	111.80		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.1.2	Supply and fabricate 150x50SW timber trusses erect and brace at 1300 c/c or as directed.	m	544.00		
5.1.4	Supply and fix 75x50 SW timber purlins at 300c/c to receive roofing sheets other than tiles	m	294.00		
5.1.5	Apply 1 No. coats of wood preservative to all trusses and purlins	Item	1.00		
5.2	Roofing Sheets				
5.2.1	Roofing Sheets according to the suppliers and specialists	No.	70.00		
	Subtotal				
6	PLASTER				
6.1	Apply 15mm thick cement/sand plaster to all walls both internal and external	m ²	609.54		
6.2	Apply 30mm thick cement/sand screed to floor slab	m ²	188.38		
	Subtotal				
7	IRON MONGERY				
7.1	Window Frames				
7.1.1	Supply and fix steel window frames complete with burglar bars and stays to :-				
	(a) 700x1100 - 600x1100 - 700x1100 steel window frame (W1)	Item	2.00		
	(b) 600x1100 - 600x1100 Steel window frame (W2)	Item	3.00		
	(c) 550x1100 - 550x1100 Steel window frame (W3)	Item	4.00		
	(d) 900x1100 Steel window frame (W4)	Item	2.00		
	(e) 800x400 Steel window frame (W5)	Item	1.00		
	(f) 600x400 Steel window frame (W6)	Item	4.00		
	(g) 600x1100 Steel window frame (W7)	Item	1.00		
	(h) 400x1100 Steel window frame (W8)	Item	1.00		
7.2	Door Frames				
7.2.1	Supply and fix steel door frames				
	(a)2000x800x2M opening	Item	2.00		
	(b)2000x800x1.5M opening	Item	8.00		
	(c)2000x700x1.5M opening	Item	6.00		
	Subtotal				
8	CEILING				
8.1	Supply and fix Rhino board ceiling material complete with accessories	m ²	188.38		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Subtotal				
9	PAINTING				
9.1	Apply 1 No. undercoat to all wall surfaces both external and internal including ceiling	m ²	986.29		
9.2	Supply and apply 2 No. Coats PVA paint external to walls	m ²	214.18		
9.3	Supply and apply 2 No. Coats PVA paint upto 2.8m of internal to walls	m ²	395.36		
9.4	Supply and apply 2 No. coats gloss paint to all window frames, burglar bars and door frames	m ²	1.89		
	Subtotal				
10	GLAZING				
10.1	Supply and fix 4mm thick clear glass to aluminium steel windows	m ²	17.60		
10.2	Supply and fix obscure glass to aluminium steel windows	m ²	1.28		
	Subtotal				
11	DRAINAGE				
11.1	Supply and fix either steel or PVC gutters complete with downpipes and accessories to suit	sum	1.00		
11.2	Provide spoon drain complete with apron in suitable material for storm water drainage	m	46.60		
	Subtotal				
12	CAPENTRY				
12.1	Supply and fix internal and external doors to :-				
	(a)2000x800x2M opening (D1)	No.	2.00		
	(b)2000x800x1.5M opening (D2)	No.	8.00		
	(b)2000x800x1.5M opening (D3)	No.	6.00		
12.2	Supply and fix motice locks to :-				
	(a)Internal flash doors	No.	14.00		
	(b)External doors	No.	2.00		
	Subtotal				
13	PLUMBING				
13.1	Supply and install cold and hot water supplylines	sum	1.00		
13.2	Supply and fix toilet fittings complete with toilet pan, cistern and accessories to suit	No	4.00		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
13.3	Supply and fix single unit urinals with accessories to suit.	No.	3.00		
13.4	Supply and fix hand wash basin with accessories to suit	No	4.00		
13.5	Supply and fix shower fittings complete with accessories to suit	No.	3.00		
13.6	Excavation and construcion of standard domestic manholes	No	2.00		
13.7	Excavation and construction of standard domestic septic tank with accessories	sum	1.00		
13.8	Excavation and construction of standard domestic soakaway	sum	1.00		
13.9	Supply, assemble and 2.5Hp pump and erect 5m high borehole stand for 2000L storage tank	sum	1.00		
13.10	Provision for drilling of borehole	sum	1.00		
13.11	Supply and fix 100mm diametre domestic sewer discharge pipe	sum	1.00		
Subtotal					
14	ELECTRICALS				
14.1	Electricals according to specialist	sum	1.00		
Subtotal					
15	TILING				
	Supply and lay ceramic tiles to entire internal floor area to suit	m ²	188.38		
Subtotal					
16	MISCELLENEOUS				
16.1	Rework reviews to all windows, door frames and any other patchup works	Sum	1.00		
16.2	Provide window sills to all windows	m	19.20		
16.3	Provide and fix air vents to suit.	No.	36.00		
16.4	Granite (In the Kitichen)	sum	1.00		
16.5	Kitchen sink with accessories to suit	sum	1.00		
Subtotal					
SUMMARY					
1	BUSH CLEARING				
2	EXCAVATION				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	SUBSTRUCTURE				
4	SUPER STRUCTURE				
5	ROOFING				
6	PLASTER				
7	IRON MONGERY				
8	CEILING				
9	PAINTING				
10	GLAZING				
11	DRAINAGE				
12	CAPENTRY				
13	PLUMBING				
14	ELECTRICALS				
15	TILING				
16	MISCELLENEOUS				
	Total cost for Material & Equipment				
	Preliminary and General Items (15%)				
	Labour cost (25%)				
	Contingency (5%)				
	SUB TOTAL				
	Contractor's Profit (20%)				
	TOTAL				