

Annex A: Tender No: SADC / RPTC / Wall / 02: Bill of Quantities for the Construction of Boundary Wall at SADC RPTC.

BILL OF QUANTITIES

Construction of 632m Boundary Wall

Item	Description	Total Sum US\$
A	PROPOSED BOUNDARY WALL	
B	Preliminaries & General	
	CONTINGENCIES	
E	Add Contigency 5%	
F	Sub- Total	
G	Add VAT (14.5%)	
H	TOTAL	

<u>SECTION NO 1-4</u> <u>BOUNDARY WALL</u> <u>SUMMARY</u>			
<u>Item</u>	<u>Description</u>	<u>Page No.</u>	<u>Amount</u>
1	Excavations	1/4	
2	Concrete	2/6	
3	Brickwork	3/7	
4	Plastering and Wall Linings	4/8	
Carried FORWARD to FINAL SUMMARY			

Item	Description	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 1</u>				
	<u>BILL NO. 1</u>				
	<u>FOUNDATIONS (PROVISIONAL)</u>				
	<u>NOTES:</u> 1. The foundations have been measured to the natural ground level. Foundation depths shall be confirmed on site. All excavations shall not be covered prior to the approval and recording of the depths by the Structural Engineer 2. For Preambles see General Specification				
	<u>SITE PREPARATION</u>				
	<u>REMOVAL OF TREES, ETC</u>				
	<u>Cutting down and removing, grubbing out roots and filling with suitable material in holes</u>				
A	Hedge not exceeding 1500mm high	m	R.O		
B	Trees of girth not exceeding 0.5metres	no.	R.O		
C	Trees of girth exceeding 0.5metres and not exceeding 1.0metres	no.	R.O		
D	Trees of girth exceeding 1.0 metres and not exceeding 2.0metres	no.	R.O		
	<u>SITE CLEARANCE, ETC</u>				
E	Clear site of all vegetation, including removal and disposal of bushes, shrubs, undergrowths, hedges, trees and stumps not exceeding 0.50metres girth and grubbing up roots and filling in holes	m2	948		
	<u>EXCAVATIONS, ETC</u>				
	<u>Excavate in pickable earth below natural or reduced ground level and excavated material to be cart away to a site to be found by Contractor (cart away elsewhere measured)</u>				
H	Excavate to reduce levels not exceeding 2 metres deep	m3	758		
	<u>Extra over all excavations in pickable earth for excavation in:-</u>				
E	Hard pickable material	m3	R.O		
F	Rock	m3	R.O		

Carried to Collection				
<u>Keeping excavations free of storm and surface water</u>				
A	Allow for keeping the excavations free from storm and surface water for the duration of the Contract by hand or machinery, including digging any necessary trenches and banks to keep water away from the excavations	Item	1.00	1,500.00
<u>Termite treatment</u>				
B	Termite treatment with approved fumigant to SAZS 314 (1973), sprayed over filling and tops of foundations walls (Contractor to provide a written ten year guarantee as to the contents, quality and effectiveness of termite treatment)	m2	632	
<u>FILLING, ETC</u>				
E	Backfilling to trenches, holes, etc with approved excavated material, levelled, well watered and compacted in layers not exceeding 150mm thick to 93% LCE density	m3	607	
Carried to Collection				
<u>SECTION NO. 1</u>				
<u>BILL NO. 1</u>				
<u>EXCAVATIONS (Provisional)</u>				
Total BROUGHT FORWARD from line totals				
Carried FORWARD to Summary			1/4	

<u>SECTION NO. 2</u>					
<u>BILL NO. 2</u>					
Item	Description	Unit	Quantity	Rate	Amount
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
For Preambles see General Specification					
<u>PRECAST CONCRETE</u>					
<u>"Fort Concrete" or equal approved approved precast concrete coping (20 MPA) jointed in 1:3 cement mortar on 230mm walls</u>					
A	Concrete coping	m	R.0		
<u>IN-SITU CONCRETE</u>					
<u>Reinforced Concrete (Grade 30Mpa)</u>					
A	Strip footing	m3	171		
<u>REINFORCEMENT (PROVISIONAL)</u>					
<u>High yield deformed steel reinforcement bars with characteristic strength 460n/mm2 and complying with BS4449 in concrete as described including all bending, hooked ends, binding wire and temporary supports</u>					
N	High yield deformed bar reinforcement exceeding 8mm but not exceeding 12mm	kg	4,200		
P	Ditto exceeding 12mm but not exceeding 30mm	kg	9,000		
O	Ditto exceeding exceeding 30mm	kg	R.O		
<u>Cover blocks and spacers</u>					
R	Allow for cover blocks and spacers	Item			
Carried to Collection					

<p><u>SECTION NO. 2</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK & REINFORCEMENT</u></p>				
<p>Total BROUGHT FORWARD from Page Number</p>			<p>2/5</p>	
<p>Carried FORWARD to Summary</p>			<p>2/6</p>	

<u>SECTION NO. 3</u>					
<u>BILL NO. 3</u>					
Item	Description	Unit	Quantity	Rate	Amount
<u>BRICKWORK</u>					
For Preambles see General Specification					
<u>Approved common bricks laid in 1:4 cement mortar laid in stretcher bond</u>					
A	One brick wall	m2	1,677		
B	Brick Pier	m2	218		
<u>Sundries</u>					
D	"Cotts ref C2" brick reinforcement built into one brick walls after every four courses, lapped at angles and passings (measured net)	m	4,740		
E	8 gauge Hoop iron ties 20mm wide x 700mm long one end shot fixed to concrete column and other built into brick wall (elsewhere measured)	no.		R.0	
Carried FORWARD to Summary				3/7	

Item	Description	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u> <u>BILL NO. 4</u>				
	<u>PLASTERING & WALL LININGS</u> For Preambles see General Specification <u>EXTERNALLY</u> <u>12mm One coat cement/sand plaster with slurry textured finish on to the following surfaces</u>				
A	On walls	m2	1,517		
B	Ditto in narrow widths not exceeding 300mm	m2	174		
	<u>SECTION NO. 4</u> <u>BILL NO. 7</u> <u>PLASTERING AND WALL LININGS</u>				
	Total BROUGHT FORWARD from Page Number				
	Carried FORWARD to Summary				
				4/8	