

Bill of Quantity - plot demarcation and planting of trees

414.89

No.	Description	Unit	2	20	16	0	4	2	0	Total quantity	Estimated Cost (NGN)		Estimated Cost (USD)		Remarks
			Quantity (Plot A)	Quantity (Plot B)	Quantity (Plot C)	Quantity (Plot D)	Quantity (Plot E)	Quantity (Plot F)	Quantity (Plot G)		Unit Cost (NGN)	Total Cost (NGN)	Unit Cost (USD)	Total Cost (USD)	
A	Setting out and Excavation of plot boundary	m	21.5	17.9	22.7	20.1	29.4	28.3	16.9	56					
1	Clear site, set out the plot boundary according to layout provided by IOM and Excavate foundation trench to a minimum depth of 180mm below natural ground and in width 300mm to receive the foundation footing of 50mm thick.	CuM	1.16	0.97	1.23	1.09	1.59	1.53	0.91	53.70		0.00	0.00	0.00	
B	Substructure														
2	Foundation footings: plain in situ sandcrete for foundations footing (ratio 1:4 of cement:sharp sand - batching 1 cement bag for 2 wheelbarrows of sharp sand).	CuM	0.32	0.27	0.34	0.30	0.44	0.42	0.25	14.92		0.00	0.00	0.00	
3	Perimeter blockwork: Sandcrete hollow blocks 6"x 18"x 9" (150x450x230mm) bedded and jointed in cement-sand mortar (ratio 1:6 - batching is 1 cement bag for 3 wheelbarrows of sand), block holes filled with excavated soil. One course, with reinforced column at every 3m by rotating the block sideways	SqM	5.38	4.48	5.68	5.03	7.35	7.08	4.23	248.60		0.00	0.00	0.00	
	Subtotal substructure											0.00	0.00		
C	Superstructure (walls)	1.7													
4	Walling: Construct walls with Locally hand-made Mudbricks (150mmx150mmx350mm), including preparation and screening of soil of agreed grain composition, mixing with water and vegetable fibres, laid with mud mortar. Where possible, bricks to be moulded on site by local workers, including direct shelter beneficiaries.	SqM	34.85	28.73	36.89	32.47	48.28	46.41	27.03	1,615.68		0.00	0.00	0.00	Perimeter wall up to 1.8m height from NGL. Leaving a 1m gap for the access door
5	Apply earth-based plaster, 15mm thickness, mixture of mud, boiled bitumen and used engine oil (or water-based bitumen), to be applied in at least two coats. Inclusive of all required materials for the mixture, water and labour costs. On both sides of the perimeter wall including reinforcement columns.	SqM	69.70	57.46	73.78	64.94	96.56	92.82	54.06	3,231.36		0.00	0.00	0.00	
	Subtotal walls											0.00	0.00		
D	Main access door														

6	Provide and install Obeche Timber poles, 2x6 inches - full length min. 3m, pre-treated with antitermite/engine oil solution, for door frame. To be secured with langalanga to the brick walls.	Pcs	2.00	2.00	2.00	2.00	2.00	2.00	4.00	88.00		0.00	0.00	0.00	
7	Install purpose made door of 2x0.9m with 2x3" timbers for door leaf, three 100mm hinges per door to fix leaf on frame, cladding with CGI sheet 0.2mm thick branded with IOM logo, internal and external latches 125mm, padlock of 0.25kg and keys.	Pcs	1.00	1.00	1.00	1.00	1.00	1.00	2.00	44.00		0.00	0.00	0.00	
	Subtotal door											0.00		0.00	
E	Tree plantation on plot														
8	Provision and planting of tree seedling on the shelter plot.	Pcs	1.00	1.00	1.00	1.00	1.00	1.00	2.00	44.00		0.00	0.00	0.00	Tree species to be agreed based on location, including but not limited to: neem, papaya, guava, orange, cashew, huru,
9	Supply and fix cylindrical plant protector (cage) made from palm stick size 1.2m x 0.45mm diameter.	Pcs	1.00	1.00	1.00	1.00	1.00	1.00	2.00	44.00		0.00	0.00	0.00	
	Subtotal tree planting											0.00		0.00	
	Subtotal substructure											0.00		0.00	
	Subtotal walls											0.00		0.00	
	Subtotal doors and windows											0.00		0.00	
	Subtotal tree planting											0.00		0.00	
	Total Cost for plot demarcation and tree planting for 44 plots										NGN	0.00	USD	0.00	

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