

**Bill of Quantity - Emergency Shelter (Bama Type - Updated 3.8 x 5.2)**

No.	Description	Unit	Quantity	Estimated Cost (NGN)		Remarks
				Unit Cost (NGN)	Total Cost (NGN)	
	<b>Plastic Sheeting:</b>					
1	Plastic Sheeting - finish size 4mx60m, reinforced bands along edges, aluminium reinforced, labeled with IOM Logo	Roll	0.33	Provided by IOM		Roof cover and side walls (incl. door and windows) (refer to: <a href="https://emergencymanual.iom.int/entry/63728">https://emergencymanual.iom.int/entry/63728</a> )
	<b>Sub-Total</b>					
	<b>Construction Materials and Labour:</b>					
2	Obeche Wooden poles, 2x4 inches - 280 cm length	Pcs	3.00			Stud pillars/ under tarpaulin
3	Wooden poles, 2x4 inches - 210 cm length	Pcs	8.00			Stud pillars
4	Wooden poles, 2x3 inches - 330 cm length	Pcs	8.00			Tie beam and side bracing.
6	Wooden poles, 2x3 inches - 180 cm length	Pcs	3.00			Backbracing
7	Wooden poles, 2x3 inches - 330 cm length	Pcs	2.00			Roof Ridge
8	Wooden poles, 2x3 inches - 210 cm length	Pcs	12.00			Rafters
9	Wooden poles, 2x4 inches - 190 cm length	Pcs	2.00			Door panel sides
10	Wooden poles, 2x4 inches - 100 cm length	Pcs	6.00			Top/bottom frames of door and Daigonal Bracing of doors
11	Wooden poles, 2x4 inches - 260 cm length	Pcs	2.00			Door frame sides
13	Wooden poles, 2x3 inches - 160 cm length	Pcs	4.00			Front bracing of shelter.
14	Wooden poles, 2x3 inches - 90 cm length	Pcs	8.00			Windows frames (sides)
15	Wooden poles, 2x3 inches - 90 cm length	Pcs	20.00			Windows panel and mid bracing
16	Wooden poles, 2x4 inches - full length	Pcs	3.00			
17	Wooden Batten 1.5x0.5 inches - 330 cm length	Pcs	30.00			Windows panel, Windows frames, Door frame sides, Top/bottom and frames of door, Backbracing, Side bracing, Diagonal bracing on doors and Front bracing atfer fixing the tarpaulin
18	Nails - 4 inch	Lbs	5.00			Fixing thicker wooden poles together
19	Nails - 3 inch	Lbs	9.00			Fixing wooden poles together
20	Nails - 1 1/2 inch	Lbs	4.00			For fixing langalangas and battens
21	Rope, 10mm diam, twisted	m	25.00			For roof bracing and/or diagonal bracing, and to tie down roofing materials / tarps
22	Tie wire, galvanised steel, 1.5mm	m	50.00			For diagonal bracing and reinforcement of joints
23	Wind security (Langa langa) - 1m length	Pcs	14.00			Fixing wooden poles together
24	Cap nails	Packet	2.00			Fixing tarpaulin
25	Hinges	Pair	5.00			For door and windows
28	Labour	LS	1.00			
29	Transport	LS	1.00			
	<b>Sub-Total for 1 Shelter</b>				<b>0.00</b>	
	<b>Total Cost for 2000 Shelter</b>	<b>Shelter</b>	<b>2000</b>		<b>0.00</b>	