

**BOQs Construction of 8mx24m**  
**Transitional Communal Shelters with Iron sheet**

Item	Description	Unit	Qty	Rate (Usd)	Amount(Usd)
	Cost include all requirement for completion of the activities but not limited to necessary material, equipment, machineries, fittings labor cost , mobilization , demobilization, commisioning,testing, quality check etc.				
i	Site preparation and setting out	Sum	1		
	<b>Element A: Sub structure</b>				
	<b>Excavations</b>				
A1	Excavate 35cmx35cmX80cm pit Hole for vertical post erecting 80cm depth	m3	9.31		
A2	Excavate foundation trench to a minimum of 80cm depth by 50cm wide	m3	81.6		
	<b>Plinth Walling</b>				
	<b>Burnt clay brick walling bedded and jointed with cement and sand (1:3) mortar as described including 20 SWG hoop iron double strand every two courses built into joint of brick walling</b>				
A3	300mm thick plinth walls	m2	98.4		
	<b>Concrete</b>				
A4	50mm concrete 1:5:10 blinding below strip foundations	m3	1.44		
A5	Mass concrete 1:4:8 mass concrete fill 35cmx35cmX80cm for vertical post erecting 80cm depth	m3	9.31		
A6	100mm thick RCC concrete of mix 1:2:4	m3	19.2		
	<b>Floor Finishes</b>				
A7	40mm thick cement sand screed finished with steel float complete with 5mm thick cement surface seal.	m2	192		
	<b>Filling</b>				
A8	150 mm thick bed of approved imported Murram, well compacted spread, leveled and consolidated in two layers not exceeding 400 mm	m3	37.5		
A9	Allow for anti-termite treatment	Liter	4		
A10	Provide A142 BRC	m2	192		
A11	Provide DPM	m2	192		
	<b>ELEMENT B; Superstructure</b>				
	<b>Frame work and Cladding</b>				
	<b><u>The following structural timber and walling includes all necessary cutting, hoisting, nails, washers, hoop iron, joining, painting and fixing in position:</u></b>				
B1	80mmx40mmx3mm steel square section(RHS) steel columns posts	Nr	21		
B2	Supply and cast 100mm x 50mm hard wood timber wood 4meter columns posts	Nr	22		
B3	Cast 10cm diameter X4m length locally available wood posts/columns to reinforce walling and partition	Nr	52		
B4	Fix 50mmx75mmx4m Timber wood horizontal bracing equivalent walling for fixing wall cladding iron sheet.	m	512		
B5	Provide and secure 28 guage EGA roofing sheets on the well tensioned internal partition and external walling	m2	317.6		
B6	Supply welded mesh material and fix approved mosquito Mesh wire as shown on the drawing	m2	45.6		
	<b>ELEMENT C: Roof Construction &amp; Finishes</b>				
	<b><u>Treated sawn cypress softwood as described</u></b>				
	<b><u>The rates for structural timber works include all necessary cutting to length, nails, joints, connections, paintings, hoisting and fixing in position:</u></b>				
C1	Supply and fix 100mm X 75mm Wall Plate	m	72		
C2	Supply and fix 75mm X 50 mm purlins	m	312.5		
	<b><u>The following in 12 No. compete Trusses in treated softwood size 9600 mm X 1200 mm high, overall spanning 1500 mm fixed approximately 3 m above ground level. Supply and fix, cost to include all necessary works</u></b>				
C3	100X50 mm struts and ties	m	105		
C4	100 X 50 mm rafters	m	123		
C5	150 X 50 mm Tie beams	m	72		
C6	225 X 25 mm fascia board	m	70		
C7	Supply 28 guage EGA roofing sheets fixed on timber purlins to slope not exceeding 20 degrees from horizontal and in accordance withdrawing. Cost include all necessary fitting rope and roofing nail ,Coping etc.	m2	260		
	Matching Ridge cap	m	26		

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Item	Description	Unit	Qty	Rate (Usd)	Amount(Usd)
	<b><i>ELEMENT D - Windows</i></b>				
	Fabricated iron sheet Windows on timber frame				
D1	Fabricate and fix Windows complete with timber wood Frame and Shutters size 1000 mm X 1000 mm.	nr	12		
	<b><i>ELEMENT E: Doors</i></b>				
	<b><i>Iron Sheet Doors</i></b>				
E1	Fabricate and Fix Iron sheet doors Complete with 50X70mm Timber wood Frame & Shutters, size 2000 X 900 mm.	nr	12		
	<b><u>Visibility Sign Board</u></b>				
	Allow a provisional sum for the supply and installation of 1.2x0.8m of 1.2mm thick metal sheet board; 60x40mm framings and posts; artwork to be provided by DRC Engineer; footing in 1:3:6 concrete and 2 coats of oil paint on the metal surfaces.	Item	1		
	<b>TOTAL COST for construction of one shelter in USD</b>		<b>1</b>		
	<b>TOTAL COST for construction of two shelters in USD</b>		<b>2</b>		