

	ISSB Shelter with Kitchen					
Item	Detailed description	UNIT	QTY	RATE/Ks	Amount	Remarks
Shelter componet 1: Roofing						
1	Cypress untreated timber 2"x2"	M	107	100	10,700.00	
2	Iron Sheet 2.5M gauge 30 Dumu Zas	Pcs	22	600	13,200.00	
3	Roofing nails	Kgs	3	180	540.00	
4	Ordinary nails 4"	Kgs	3	150	450.00	
5	ordinary nails 3"	Kgs	0.5	150	75.00	Additional
6	Hoop iron 20mm, G22*18m roll	Roll	0.5	230	115.00	
7	Ridge cap 1.8m G30 Dumu Zas	Pcs	4.5	200	900.00	
8	wood preservative	Lts	10	100	1,000.00	
9	Labour cost(Roofing, Door/window Fabrication/ install)	LS	1	2500	2,500.00	
10	50mmx50mmx2mm Angle sections for the lintel 6m long	Pcs	1	850	850.00	Additional
11	100mm diameter gum poles to support kitchen verandah 3m long	Pcs	2	400	800.00	Additional
	Sub- Total				31,130.00	
Shelter component 2: Doors and windows						
1	Untreated Timber 2" x2"	M	25	100	2,500.00	
2	Plain iron sheet 2.4m x 1.2 m G30 Dumu Zas	PCS	1.3	450	585.00	
3	Ordinary nails 3"	Kgs	1	100	100.00	
4	Ordinary nails 2"	Kgs	0.5	150	75.00	Addltional
5	ordinary nails 1"	Kgs	1	150	150.00	Addltional
6	Butt hinges and screws	PCS	7	25	175.00	
7	Pad bolt and screw 6"	PCS	1	130	130.00	
8	Tower Bolt 6"	PCS	1	70	70.00	
9	Tower Bolt 4"	PCS	2	20	40.00	
10	Ordinary nails	Kgs	1	100	100.00	
	Sub total				3,925.00	
Shelter component 3: Walls and brick production						
1	Soil transport cost(Trucks, Loading, Fuel, Labor etc)	Tons	18	700	12,600.00	
2	Ordinary Portland Cement(OPC) Bamburi(Blocks)	Bags	26	1300	33,800.00	
3	Labor Costs for fabrication of ISSB blocks	Blocks	1550	5	7,750.00	
4	Cost of water for production(ISSB)	Lts	3000	1	3,000.00	
5	Labor costs for wall construction including gables	LS	1	9600	9,600.00	
6	Used engine oil for lubrigating block production machines	Lts	1	30	30.00	
7	Diesel and oil for Hydrafoam machine 1 liter per block	PC	1550	1	1,550.00	Additional
	Sub total				68,330.00	

Shelter componet 4: Substructures/Foundation						
1	Site clarence, setting out fdn, trenching and levelling	LS	1	1200	1,200.00	
2	Construction of foundation	LS	1	0	-	
3	Sand for foundation block manufacturing 1:4	Tons	1	600	600.00	
4	Ordinary portland cement(OPC) Bamburi	Bags	10	1300	13,000.00	
5	Labor cost for fabrication of foundation cement blocks	LS	75	7	525.00	
6	Point foundation unvibrated concrete dia 300x 600 mm Pcs	CM	0	15000	-	
	Sub-total				15,325.00	
	Grand total for shelter construction				118,710.00	
	Grand total in USD				1,483.88	

Notes

1. shelter model type 4-ISSB-Interlocking Stabilised SoilBlocks-no community
2. All type of shelters will adopt the cement /sand blocks foundation (75 blocs) to reduce costs, time and increase strenght during flooding
3. Soil and water are imported to the shelter sites. Average distance from soil quarry site is 15 kilometre. No more use of chlorined/piped water
4. Prices are inclusive of transport ex-stock Dadaab, Garissa and Nairobi
5. the cement prce of ksh. 1300/bag is subjected to go down to Ksh. 1050 /bag depending on the quantity of order
- 6.Community participation in the old shelter model includes: casual labour for site clearance, foundation trenching, block fabrication and construction iof walling
7. All community contribution is paid in cash using (local artisans) and not in kind