

Roofing Kit Type II - pitched

Summary

This type will provide material and design (one room - 16'x14') for a high quality, pitched roof, consisting of two steel girder, bamboo rafters, CGI Sheet and wire. The selected beneficiaries will construct walls of the room themselves and will receive the roofing materials upon reaching roof level. Steel girders and bamboo rafters will provide as a base for the CGI Sheet. Chicks will be placed over the bamboos and then CGI sheet will be fixed on the top. It is also proposed to include one door and one window in the shelter material.

Cultural Acceptance / Geographic Applicability

Recommended for areas with heavy snowfalls, not ideal for hot areas

Advantages

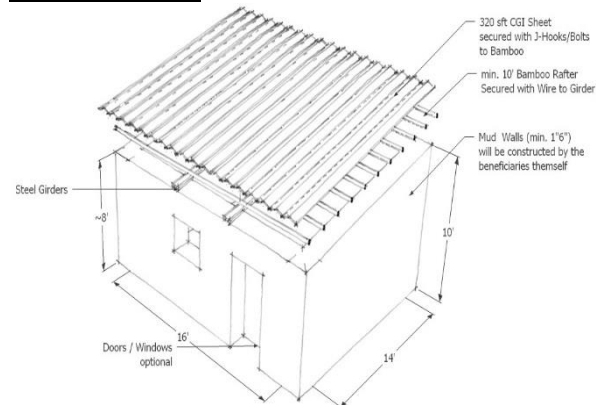
- in line with traditional/local building methods
- one sided pitched roof reduce cost and 'difficulty' of construction
- no skilled labour required
- high quality and reusable materials

Disadvantages

- high cost for 'only roofing'
- lot of hard work for beneficiaries (mud walls)
- time consuming construction
- difficult to monitor actual implementation rate

Total Cost / Cost of Materials / Proposed Cash for Work Assistance

Schematic Drawing



Example Photo



Detailed Bill of Quantities

S.No	Items	Unit	Rate	Qty.	Total	USD
Material for 1 Room (16' x 14') – Type II						
1	Steel girders (size: 3" x 6" x 16') - (Specs 3kg/ft, i/c red oxide paint)	Nos		2		
2	Bamboo Rafter (4" dia.) 18'	Nos		15		
3	CGI Sheet 24 SWG (20' x 18')	Sft		360		
4	Rope	Rft		50		
5	J-Hooks / Bolts	Nos		30		
6	Doors (3.5' x 7') as per design & specifications – 24 SWG	Nos		1		
7	Windows (3.5' x 5') as per design & specifications - 24 SWG	Nos		1		
8	Chicks	Sft		224		
9	Transportation cost	Lump sum		1		
10	Area Factor		5%			
Sub-Total:						