Government of the People's Republic of Bangladesh
Office of the Refugee Relief and Repatriation Commissioner
Cox's Bazar
www.rrrc.gov.bd

No: 51.04.2200.006.06.008.25-881 Date: 25 February 2025

Sub: **Approval for walling design option for Temporary Safer Shelter**

Ref: ISCG's letter no.- ISCG/2025/14, date: 19 February 2025

In reference to the above-mentioned subject and letter, the Office of the Refugee Relief and Repatriation Commissioner (RRRC) acknowledges receipt of your submission regarding the proposed walling design options for Temporary Safe Shelters. We appreciate the efforts of the Shelter-Camp Coordination and Camp Management (SCCCM) sector and the Inter Sector Coordination Group (ISCG) in enhancing shelter resilience for the Rohingya refugee response.

After careful consideration, RRRC is pleased to approve the following proposed walling design option:

> "Geotextile walling with exterior tarpaulin, interior wire mesh, and cement grouting on all four sides, including doors and windows"

This approval is granted with the understanding that the materials have been reviewed by the SCCCM-Shelter Task Force and align with approved standards for safety, durability, and ease of maintenance. The implementation of these options is expected to contribute to a more sustainable and effective shelter response, reducing reliance on traditional materials such as bamboo while ensuring the protection and well-being of the FDMN population.

Additionally, RRRC emphasizes the need for a comprehensive dismantling plan to be submitted alongside the implementation process. This plan should outline the safe and environmentally responsible removal of structures at the end of their lifecycle, including provisions for material reuse or disposal, future dismantling budget, and involvement of relevant stakeholders. Ensuring a structured dismantling process will help minimize environmental impact and facilitate efficient site management.

RRRC looks forward to continued collaboration with ISCG and SCCCM in delivering innovative and sustainable shelter solutions. Kindly provide regular updates on the implementation progress and any relevant findings from the field. Should any further clarifications be required, please do not hesitate to reach out.

Thank you for your continuous efforts and cooperation in the Rohingya crisis response.

25.02.2025

Abu Saleh Mohammad Obaidullah
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Mr. David Bugden
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Inter Sector Coordination Group (ISCG), Cox's Bazar.

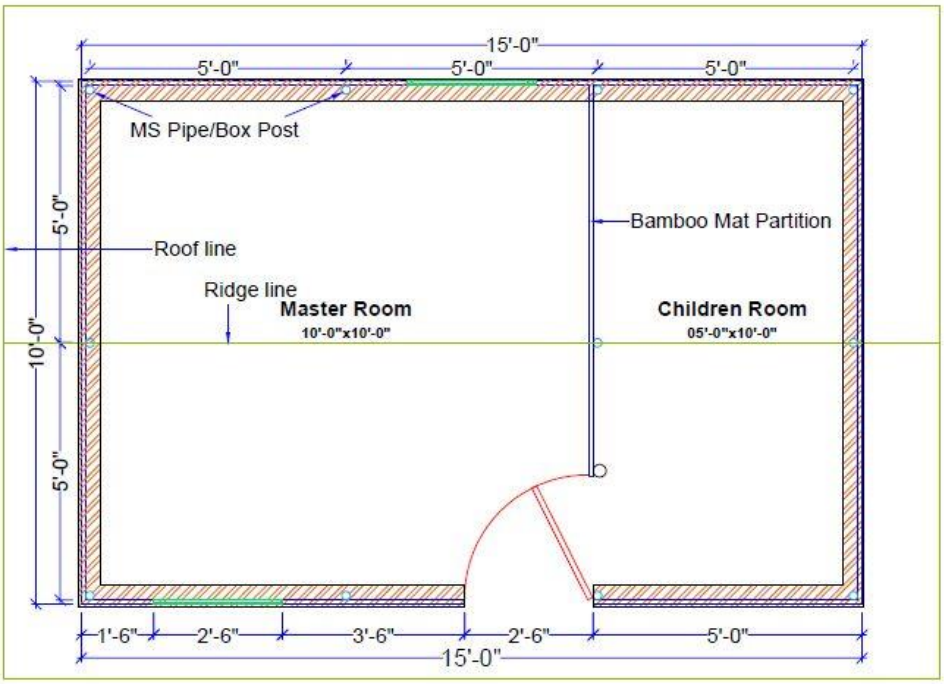
Copy for kind information:

1. **Camp-in-Charge (all)**, Ukhiya/Teknaf, Cox's Bazar.
2. **PS to RRRC** (For kind attention of RRRC).
3. Office Copy.

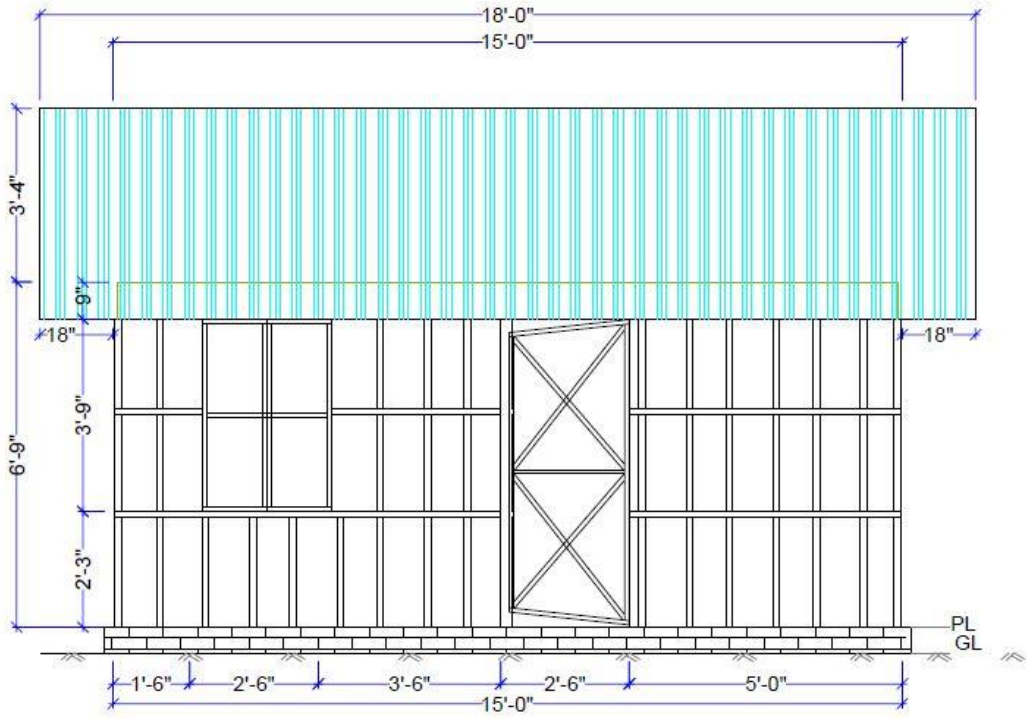
Option-A: Geotextile with outside tarpaulin and inside wire mesh with cement grouting

***List of Materials** – Geotextile with outside tarpaulin and inside wire mesh with cement grouting for four side fencing of 1 shelter including door & window.*

SL	Items	Description	Unit	Quantity
1	Borak Bamboo (Treated)	Length: 20 ft. Diameter with maximal deviation 4 inches: Upper side minimum 45mm & bottom side minimum 78mm. Thickness 18mm (bottom). Quality: Not raw and not fully ripe/dry no insect defect. Maximum tolerance ± 5%. Treated	Piece	5
2	Borak Bamboo (Untreated)	Length: 20 ft. Diameter with maximal deviation 4 inches: Upper side minimum 45mm & bottom side minimum 78mm. Thickness 18mm (bottom). Quality: Not raw and not fully ripe/dry no insect defect. Maximum tolerance ± 5%.	Piece	20
3	Muli Bamboo for Gerenja	Length: 15 ft. Diameter: Upper side minimum 30mm & bottom side minimum 40mm. Thickness minimum 6.5 mm (bottom), Quality: Not raw and not fully ripe/dry and no insect defect,	Piece	9
4	Tarpaulin (4m x 5m)	Tarpaulin 4m x 5m; Floor, roof, and bottom wall cladding	Piece	2
5	Geotextile	Grade-IV : Specification of which Mass (minimum)=310 gm/m2, Thickness under pressure 2kpa (minimum)=2.6mm, Strip tensile strength (minimum)=22.0 kn/m, Elongation (minimum)=40%, Grab tensile strength (minimum)=1300 N, CBR puncture resistance (minimum)=3700 N, Effective opening size (Maximum) = 0.09mm, Permeability vertical under 2 kpa pressure h is100mm (minimum)=0.003 m/s and Permeability horizontal under 2 kpa pressure (minimum)=0.004 m/s.	Sqm	37
6	GI wire mesh	GI wire mesh having 1.5 " gap for fence work	Sqm	37
7	3 mm Rope	Polypropylene or similar, diameter: 3mm. Average 50mt length. Preferred color: black/ blue/ dark green. Woven with 2 or 3 strands, with the possibility of being unraveled.	KG	10
8	Cement for fence	Ordinary Portland Cement (OPC), Type 1/52.5 N Size 50 KG Bag	Bag	5
9	3/4,1,1.5"/2"/3" nail for borak Bamboo teara fixing	1.5"/2"/3" nail for borak Bamboo teeara fixing	kg	2.35



Floor Plan of Option A



Front Elevation of Option A

Image of Option-A

Detail Section

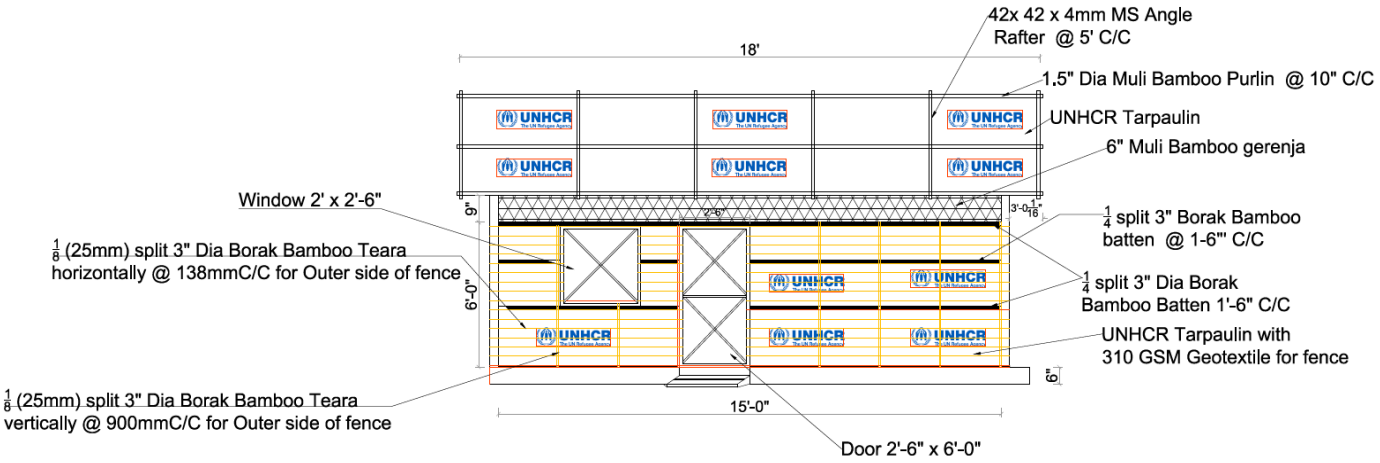


Figure 1: Front side elevation of geotextile with tarpaulin, wire mesh and cement grouting.

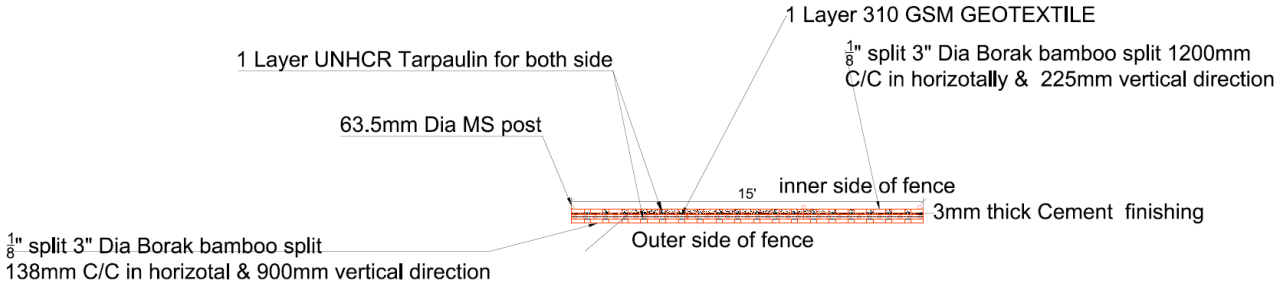


Figure 2: Fence section detail.