

Guidance on Emergency Shelter and NFI

Earthquake Response

Shelter/ NFI/ CCCM Technical Working Group
Northwest Region, Myanmar

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1. INTRODUCTION

On March 28, a devastating 7.7-magnitude earthquake struck Myanmar, resulting in 3,869 deaths, 5,742 injuries, and more than 441 individuals reported missing, according to official figures from the Myanmar Red Cross Society. Preliminary data from the ASEAN Coordinating Centre for Humanitarian Assistance (AHA Centre) indicates that over 40,000 homes were damaged or destroyed. As of April 23, many families continue to sleep in the open, too afraid to return to their homes.

This Guidance Note on Emergency Shelter and Non-Food Items (NFI) Assistance has been developed to provide recommendations from the Northwest Shelter/NFI/CCCM Cluster regarding the provision of emergency shelter and NFI support to populations affected by the earthquake. It outlines various assistance modalities that can be adapted according to the evolving situation on the ground and the specific needs of the affected communities.

This is a living document, developed collaboratively by the Northwest Shelter/NFI Technical Working Group (TWG) in consultation with cluster members. It will be revised and updated as necessary in response to changing conditions and new information.

Urban, peri-urban, and rural areas have all been severely impacted, leading to significant population movements across these zones. Flexibility in the response and the combination of different assistance modalities are therefore essential to ensure adequate, timely, and high-quality shelter and NFI support.

All partners are encouraged to assess the appropriateness of using cash-based or in-kind modalities based on local needs and context, recognizing that conditions may vary significantly. The objective is to ensure that assistance is appropriate, does no harm, and does not disrupt local markets.

Myanmar's monsoon season, spanning from June to October, presents a heightened risk of flooding—even in the months preceding the official start of the season. Combined with extreme heat conditions in the region, this significantly exacerbates the vulnerabilities of populations already affected by the earthquake. To address these challenges, it is strongly recommended that shelter and NFI assistance be delivered with a longer-term perspective, supporting recovery efforts from the outset, whenever partner resources and capacities allow.

The TWG has developed several options for localized, climate-smart, and inclusive transitional shelter designs to protect the most at-risk populations and ensure dignified living conditions ahead of the monsoon season. Therefore, partners are strongly encouraged to prioritize the provision of transitional shelters where appropriate.

2. GENERAL RECOMMENDATIONS

- Follow [“Safe Distribution guidelines¹”](#) from Protection Cluster
- Adhere [“Key Messages for Humanitarian Actors”](#) from AAP & CE Working Group.
- Integrate key environmental considerations into the provision of emergency shelter assistance, including:
 - Debris removal and solid waste management
 - Prioritize local procurement and actively work to reduce the use of plastics and excessive packaging for distributed items.
 - Carefully assess and manage the sourcing of construction materials.
 - Refer to Myanmar [Environment Guidance Note for EQ](#) (currently under development by the Global Shelter Cluster Environmental Community of Practice) and [Myanmar Environmental Country Profile](#) for additional guidance
- Ensure that Water, Sanitation, and Hygiene (WASH) assistance is delivered alongside emergency shelter support. Close coordination with the WASH Cluster is strongly recommended.
- Guarantee the availability of lighting and/or electricity at the household level. At a minimum, solar lamps should be provided.
- Housing Land and Property (HLP): Ensure that households have access to support for land tenure security, either directly or through referral pathways. Coordination with the Protection Cluster is advised.
- Always provide technical guidance or orientation materials (IEC materials) alongside any emergency shelter assistance. (See specifications below.)

¹ [Safe Distribution Guidelines PC- Myanmar 2025.pdf](#)

3. TYPES OF EMERGENCY SHELTER/CCCM ASSISTANCE

Type of assistance	Implementation Time frame	Modality
Emergency shelter assistance	Short term (0-3 months)	<ul style="list-style-type: none"> - Distribution of emergency shelter kit (in-kind and/or cash) - Distribution of tents - Distribution of Tools - CVA (Cash and Voucher Assistance) <i>shelter-conditional (CASH SOPs)</i> - Technical assistance/orientation (IEC material) & quality assurance - Support for Debris removal at HH/Community level - Consider WASH provision
NFI (Essential HH Items)	Short term (0-3 months)	<ul style="list-style-type: none"> - Distribution of core-relief NFIs (in-kind and/or cash) - CVA (Cash and Voucher Assistance) <i>shelter-conditional (CASH SOPs)</i>
Transitional shelter	Short-mid term (0-12 months)	<ul style="list-style-type: none"> -Provision of construction material (adapted to design/BoQ) -Distribution of Tools - CVA (Cash and Voucher Assistance) <i>shelter-conditional (CASH SOPs)</i> -Technical assistance & quality assurance (Build Back Better) -Capacity building -Commissioned labour/contracted services (engage the community) - Support for Debris removal at HH/Community level - Consider WASH provision
Repairs/Retrofitting	Mid term (3-12 months)	To be further discussed
CCCM	Short-mid term (0-12 months)	- Provision of CCCM services

Recommended assistance per Household (5 pp). To be assessed according to context: Urban, peri urban and rural.

Target Groups		Emergency Assistance (0-3 months)	Recovery Assistance (0-12 months)	Assumptions/Notes
		Recommended Interventions and Standards		
Displaced	HH located in collective sites (religious building, schools, community centres).	Emergency shelter kit (in kind and/or cash)	X	See below specifications # Tarpaulins to ensure minimum covered space of 3.5 sqm/person (17.5 sqm per family of 5) to meet Sphere Standards/Consider WASH provision
		Tool Kit (in kind and/or cash)	Tool Kit (in kind and/or cash)	See below options and specifications
		Support debris removal at HH/site level (cash support)	Support debris removal at HH/site level (cash support)	Consideration of small scale interventions
		Tents	X	See below options and specifications
		Core-relief NFI (in kind and/or cash)	Core-relief NFI (in kind and/or cash)-replenishment	See below options and specifications
		*Transitional shelter (community-driven/cash/commissioned services)	*Transitional shelter (community-driven/cash/commissioned services)	See below options and considerations* Consider HLP support and WASH provision
		Technical awareness or support	Technical support	See below options and specifications
	Basic CCCM services	CCCM services		
	HH that have relocated to host families (including tenants)	Emergency shelter kit (in kind and/or cash)	X	See below options and specifications # Tarpaulins to ensure minimum covered space of 3.5 sqm/person (17.5 sqm per family of 5) to meet Sphere Standards

		Core-relief NFI (in kind and/or cash)	Core-relief NFI (in kind and/or cash)-replenishment	See below options and specifications
	Informal sites/Open space/ makeshift shelters	Emergency shelter kit (in kind and/or cash)	X	See below specifications # Tarpaulins to ensure minimum covered space of 3.5 sqm/person (17.5 sqm per family of 5) to meet Sphere Standards/ Consider WASH provision
		Tool Kit (in kind and/or cash)	Tool Kit (in kind and/or cash)	See below options and specifications
		Tents		See below options and specifications
		Debris removal at HH/site level (cash support)	Support debris removal at HH/site level (cash support)	Consideration of small scale interventions
		Core-relief NFI (in kind and/or cash)	Core-relief NFI (in kind and/or cash)-replenishment	See below options and specifications
		Transitional shelter(community-driven/cash/commissioned services)	Transitional shelter(community-driven/cash/commissioned services)	See below options and specifications Consider HLP support and WASH provision
		Technical awareness or support	Technical support	See below options and specifications
		Basic CCCM services	CCCM services	
Non Displaced	Host families requiring assistance	Emergency shelter kit (in kind and/or cash)	X	See below options and specifications Consider WASH provision
		Core-relief NFI(in kind and/or cash)	Core-relief NFI (in kind and/or cash)-replenishment	See below options and specifications
	HH with damaged (severe, moderate or minor) house	Emergency shelter kit (in kind and/or cash)	X	See below options and specifications Consider WASH provision
		Tool Kit (in kind and/or cash)	Tool Kit (in kind and/or cash)	See below options and specifications

		Core-relief NFI (in kind and/or cash)	Core-relief NFI (in kind and/or cash)-replenishment	See below options and specifications
		Debris removal at HH/site level (cash support)	Support debris removal at HH/site level (cash support)	Consideration of small scale interventions
		Transitional shelter(community-driven/cash/commissioned services)	Transitional shelter (community-driven/cash/commissioned services)	See below options and specifications Consider HLP support and WASH provision
		Technical awareness or support	Technical support	See below options and specifications
		X	Repairs (community-driven/cash/commissioned services)	Consider technical damage assessments. To be further discussed
	HH with damaged (severe, moderate or minor) house- sleeping open air	Emergency shelter kit (in kind and/or cash)	X	See below options and specifications Consider WASH provision
		Tool Kit (in kind and/or cash)	Tool Kit (in kind and/or cash)	See below options and specifications
		Tents	X	See below options and specifications
		Debris removal at HH/site level (cash support)	Support debris removal at HH/site level (cash support)	Consideration of small scale interventions
		Core-relief NFI (in kind and/or cash)	Core-relief NFI (in kind and/or cash)-replenishment	See below options and specifications
		Transitional shelter(community-driven/cash/commissioned services)	Transitional shelter (community-driven/cash/commissioned services)	See below options and specifications Consider HLP support and WASH provision

		X	Repairs (community-driven/cash/commissioned services)	Consider technical damage assessments. To be further discussed
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*When providing transitional shelter in a displacement site, close coordination and agreement with the site committee is required.

4. SELECTION CRITERIA AND TARGETING (for more detailed information refer to CASH SOPs)

4.1. Vulnerability indicators for the eligibility criteria should be based on:

- Affected by the earthquake (Household with severe, moderate or minor damaged houses)
- Type of population and displacement status
- Household income level
- Households with Persons with Specific Needs
- Households with Persons with Disabilities
- Level of shelter damage
- Exposure to protection risks

4.2. Community Engagement

- Cluster partners should engage with community leaders and members to form a Community Committee (CC) and to validate the selection criteria
- Cluster partners are encouraged to ensure transparency and community involvement in the selection process.

4.3. Beneficiaries Selection Process

- In close collaboration and coordination with the CC, cluster partners should first cross-check to verify the eligibility of beneficiaries.
- To ensure consistency, cluster partners jointly with the CC should then identify and select the beneficiaries for the shelter and NFI assistance in a consensus.
- To ensure the selection criteria are well understood among the community, it needs to be well communicated among all (Inclusive communication), and feedback mechanism must be in place.

4.4. Basic Eligibility Criteria:

- a. Earthquake affected: Household affected by the earthquake such as IDPs, returned, resettled, locally integrated.
- b. Financial position: Household doesn't have the means to build/rebuild/repair their shelter on their own.
- c. Disability status: Household having persons with disabilities (physically or mentally).
- d. Female headed households

- e. Elderly or child headed households
- f. Support from other sources: Households that did not received/are not receiving shelter and/or NFI assistance from another source.
- g. HLP: Whenever applicable, do check and verify HLP documents to avoid eviction incidents.
- h. Level of shelter damage: Households' earthquake affected that have their houses severe, moderate or minor damaged. This requires partners to verify case by case the level of damage:

Severely damaged / Totally destroyed: UNSAFE	Moderate damage (required engineer assistance) SAFE/UNSAFE	Minor damage (HH can repair themselves with technical advice) SAFE
<ol style="list-style-type: none"> 1. Completely burned/ collapsed 2. House leaning unsafe to occupy 3. Collapsed roof 4. Structure mostly missing 5. Structure largely unlivable due to fire caused by earthquake 6. Structure (columns or beams) partially affected with severe damage that require high skilled repairs" 7. Compromised or shifted foundation 8. Fallen external wall(s) 	<ol style="list-style-type: none"> 1. Partially collapsed internal walls or ceilings, with remaining structure still stable. 2. Roof partially detached or missing, exposing rooms to weather. 3. Broken staircases or balconies that create access or safety issues. 4. Damaged windows, doors, and plumbing/electrical systems affecting functionality but repairable. 	<ol style="list-style-type: none"> 1. No visible cracks or damage to the load-bearing walls, foundation, columns, beams, or roof structure. 2. The house is structurally sound and safe to occupy. 3. Damage is limited to doors, windows, roofing materials (tiles, metal sheets, etc.), or external plastering/paint. 4. Minor cracks in internal walls that do not go through the wall or affect stability. 5. Water leakage from damaged roofing, but no collapse risk. 6. Some damage to electrical wiring, water pipes, or fixtures, but easily repairable. 7. Latrines or kitchens might be slightly affected but remain usable.

4.5. Priority Groups:

- a. **Child-headed household:** A household headed by a person below the age of 18 who is left without any adult to care for him/her (i.e., an unaccompanied child) and therefore assumes responsibility of a head of household.
- b. **Child at risk:** A boy or girl below 18 years old who meets any of the following criteria: unaccompanied or separated child; child parent; child carer; early marriage; teenage pregnancy; not attending school; child with special education needs; child in conflict with the law; child associated with armed forces/groups; child at risk of exploitation, abuse and neglect.
- c. **Woman at risk:** Woman of 18 years old or above, who is facing protection risks because of her gender. This code should be used in conjunction with other specific need codes, and which includes single women facing protection risks, single mothers or caregivers (SP), elderly women (ER), women with disabilities (DS) etc.
- d. **Older person at risk:** 60 and above: single older person without family; older person unable to care for self on a daily basis and lacks any family/community support; older person who is the sole caregiver of children; etc.
- e. **Single Parent/Caregiver:** Single person of 18 years or above with one or more dependents, including biological or non-biological children, or other dependents (such as an older person). The single parent/caregiver is both the primary income earner and/or caregiver.
- f. **Person with disability:** Persons with disabilities which significantly limits ability to function independently, including physical disabilities, mental disabilities, visual disabilities (including blindness), hearing disabilities (including deafness) and speech impairment.
- g. **Individuals with serious medical conditions:** Serious medical conditions, life-threatening medical conditions that require life-saving assistance (such as medical referral or provision of nutritional and non-food items) and mental illnesses that significantly limit the ability to function independently.

5. EMERGENCY SHELTER ASSISTANCE
Myanmar Basic Shelter NFI Kit Guidance (2023)

5.1. Emergency Shelter Kits (0-3 months)

The cost of each kit may be used as reference for cash modality when related with Shelter and NFI assistance. The monthly updated price of items can be consulted on the Market Price Report available at Market Analysis Unit | MIMU themimu.info website, as well with SNFI-CCCM cluster & Cash Working Group partners

5.1.1. Rapid Response Tarp Kit

Used as lifesaving rapid repair or to improve living conditions in sites (eg. privacy partitions), cannot be considered solely as provision of emergency shelter assistance

Shelter Kits



Kit Type A: Rapid Response Tarp Kit

The Rapid Response Tarp kit is recommended for rapid repairs and partitions to improve temporary living conditions in planned, unplanned settlements, collective centers, or other types of shelter arrangements of affected population in displacement or disaster situation.

နေထိုင်စရာ ပစ္စည်းထုပ်



အထုပ်အမျိုးအစား (က) - အရေးပေါ် မိုးကာထုပ်

အရေးပေါ် မိုးကာထုပ်ကို ထွက်ပြေးတိမ်းရှောင်ရခြင်း သို့မဟုတ် ကပ်ဘေး အခြေအနေများတွင် ထိခိုက်ခံစားရသူများ၏ အစီအစဉ်တကျ အခြေချ နေထိုင်ရာနေရာ၊ အစီအစဉ်တကျ မဟုတ်သည့် အခြေချနေထိုင်ရာနေရာ၊ စုပေါင်းနေထိုင်ရာ နေရာများ သို့မဟုတ် အခြား နေထိုင်ရာ အမျိုးအစားများတွင် အမြန် ပြုပြင်ခြင်း နှင့် အခန်းကန့်ခြင်းဖြင့် ထိခိုက်ခံစားရသူများမှ သီးသန့်လုံခြုံစွာ နေထိုင်နိုင်ရန် အကြံပြုပါသည်။

Rapid Response Tarp kit (Permanent)
အရေးပေါ်မိုးကာထုပ် (အမြဲပါဝင်ပစ္စည်းများ)

Permanent Items							
#	Item	Reference image	Technical Specifications	Quantity	Est. cost (usd)	Total cost (usd)	Remarks
1	Tarpaulin တာပေါလင်		Reinforced plastic tarpaulin 4x5m made of woven high-density black polyethylene (HDPE) fibers, warp x weft, laminated on both sides with low density polyethylene (LDPE) coating (eyelets in perimeter).	2 unit	12.8	25.6	The dimension of 4x6m is also applicable.
2	Nylon rope နိုင်လွန်ကြိုး		ø 8 to 10mm	27m	2.4	2.4	N/A
Estimated Total:						28.0	
Estimated cost Yangon area Feb/23 – It's recommended to include 15% on top of the price for transportation							

No Additional Items

NOTE: Ensure that the #Tarpaulins provided are enough for minimum covered space of 3.5 sqm/person (17.5 sqm per family of 5) to meet Sphere Standards. Consider increasing the # tarps for privacy and protection considerations.

5.1.2. Emergency Shelter Kit: Sagaing & Magway







Estimated Cost prior to EQ : 415, 000 MMK (99,16 USD) - 675,000 MMK (161,29 USD)

Sagaing & Magway_ Emergency Shelter Kit								
Minimum Required Items (5 people/HH)								
#	Item	Reference image	Technical specifications	Quantity	Unit	Unit cost (MMK)	Total cost (MMK)	Remark
1	Tarpaulin sheet		Reinforced plastic tarpaulin 15'x15' made of woven plastic (eyelets in perimeter). Size may vary.	2	sheet	42000	84000	Core item: Suitable for roof and floor. The dimension is subject to change based on local market availability.
or:	Nipa Palm leaf		Locally available leaf approximately: Length - 3 feet, Width - 1.5 feet	350	pcs	400	140000	
2	Tarpaulin roll		Reinforced plastic tarpaulin 6ftx45ft made of woven plastic (eyelets in perimeter).	15	meter	4400	66000	Core item: Suitable for wall. Use of item will be based on market availability and local people preferences.
or:	Bamboo mat		(6' x 11') sheet - dimension may vary but same area (~ 270 SqFt)	4	sheet	25000	100000	
3	Big Nylon rope		Ø 8 to 10mm	25	meter	5000	125000	Core item: In areas with checkpoint restrictions, choose other available/less sensitive types of rope in local market.
4	Small Nylon rope		Ø 2 ~ 3mm	2	pack	15000	30000	Core item: Use for tying floor, walling, and roof framing. Consider other locally available/suitable items
or:	Bending wire		Galvanized wire 1,31mm/18 gauge	1	viss	50000	50000	
5	Small Bamboo		Ø 1"~1.5" bamboo, 15 feet	100	pcs	500	50000	Core item: Use for roof framing. If bamboo is not available, use local wood with smaller dia; as alternative item.
6	Big Bamboo		Ø 3" bamboo, 15 feet	6	pcs	10000	60000	
or:	Local Myaw Post		4"~6" Ø Myaw Post (15ft length)	6	pcs	35000	210000	Core item: Use for structure. Can be replaced with other materials based on market availability and local preferences.
Estimated Grand Total (minimum):							MMK 415,000	USD 99.16
Estimated Grand Total (maximum):							MMK 675,000	USD 161.29

* UN Exchange rate 1 USD = 4185 MMK as of 1st April 2025.

5.1.3. Emergency Shelter Kit: Mandalay

Estimated Cost prior to EQ : 330, 000 MMK (78,85 USD) - 552,500 MMK (132,02USD)

Mandalay_ Emergency Shelter Kit								
Minimum Required Items (5 people/HH)								
#	Item	Reference image	Technical specifications	Quantity	Unit	Unit cost (MMK)	Total cost (MMK)	Remark
1	Tarpaulin sheet		Reinforced plastic tarpaulin 15'x15' made of woven plastic (eyelets in perimeter). Size may vary.	2	sheet	31500	63000	Core item: Suitable for roof and floor. The dimension is subject to change based on local market availability.
or:	Nipa Palm leaf		Locally available leaf approximately: Length - 3 feet, Width - 1.5 feet	350	pcs	350	122500	
2	Tarpaulin roll		Reinforced plastic tarpaulin 6ftx45ft made of woven plastic (eyelets in perimeter).	15	meter	4400	66000	Core item: Suitable for wall. Use of item will be based on market availability and local people preferences.
or:	Bamboo mat		(6' x 11') sheet - dimension may vary but same area (~ 270 SqFt)	4	sheet	25000	100000	
3	Big Nylon rope		Ø 8 to 10mm	25	meter	5000	125000	Core item: In areas with checkpoint restrictions, choose other available/less sensitive types of rope in local market.
4	Small Nylon rope		Ø 2 ~ 3mm	2	pack	13000	26000	Core item: Use for tying floor, walling, and roof framing. Consider other locally available/suitable items
or:	Bending wire		Galvanized wire 1,31mm/18 gauge	1	viss	50000	50000	
5	Small Bamboo		Ø 1"~1.5" bamboo, 15 feet	100	pcs	350	35000	Core item: Use for roof framing. If bamboo is not available, use local wood with smaller dia; as alternative item.
6	Big Bamboo		Ø 3" bamboo, 15 feet	6	pcs	2500	15000	Core item: Use for structure. Can be replaced with other materials based on market availability and local preferences.
or:	Local Myaw Post		4"~6" Ø Myaw Post (15ft length)	6	pcs	20000	120000	
Estimated Grand Total (minimum):							MMK 330,000	USD 78.85
Estimated Grand Total (maximum):							MMK 552,500	USD 132.02

* UN Exchange rate 1 USD = 4185 MMK as of 1st April 2025.

5.1.4. Shelter tool kit

Estimated Cost prior to the EQ (2023): 91,30 USD

Flexibility to choose the quantity and most appropriate tools, according to the context.

Consider distribution of tools at community level or group of households

Shelter Toolkit (Permanent) To attend a group of SHH
အိမ်ဆောက်ပစ္စည်းထုပ် (အမြဲပါဝင်ပစ္စည်းများ)

Permanent Items							
#	Item	Reference image	Technical Specifications	Quantity	Est. cost (usd)	Total cost (usd)	Remarks
1	Nylon rope နိုင်းလွန်ကြိုး		ø 8 to 10mm	27m	2.4	2.4	N/A
2	Binding wire သနန်းကြိုး		Galvanized wire 1,31mm/18 gauge	1 viss	10.0	10.0	N/A
3	Nails အိမ်ရိုက်သံ		1" 1.5" 2" 2.5" 3"	1.5 viss each	2.1	10.5	For the region with checkpoint restrictions, this item may need to be excluded
4	Umbrella nail (roofing) သွပ်ရိုက်သံ		75x3.6mm, head ø 20mm, thickness 2mm + washers	1 viss	2.1	2.1	For the region with checkpoint restrictions, this item may need to be excluded
5	Local knife စားမ		405mm/16", length 55cm	5 unit	8.0	8.0	For the region with checkpoint restrictions, this item may need to be excluded
6	Shovel ဂေါ်ပြား		Size of head is 1' long, 6" wide, 1/16" thickness + handle 32" ø1.5"	1 unit	10.0	10.0	For the region with checkpoint restrictions, this item may need to be excluded
7	Claw hammer ခပေါင်တူ		High carbon steel head with claw and flat side 13" long, head 5" long	3 unit	10.0	10.0	For the region with checkpoint restrictions, this item may need to be excluded
8	Hand saw လက်ထိုးလွ		20" - 24"	1 unit	8.0	8.0	For the region with checkpoint restrictions, this item may need to be excluded
9	Pliers ပလာယာ		Kit with 3 types	1 unit	6.0	6.0	For the region with checkpoint restrictions, this item may need to be excluded
10	File တံစဉ်း		5.5" long	1 unit	4.0	4.0	For the region with checkpoint restrictions, this item may need to be excluded
11	Chisel ဆောက်		1" wide, 9" long 1.5" wide, 9" long	1 unit 1 unit	4.0	8.0	For the region with checkpoint restrictions, this item may need to be excluded
12	Sharpening Stone စားသွေးကျောက်		8"x2"x1"	1 unit	1.0	1.0	N/A
13	Woven fabric gunny sack ဆာလာအိတ်		2' long, 18" wide	1 unit	0.3	0.3	N/A
14	Measuring Tape ပေကြိုး		5m tape	2 unit	2.5	5.0	N/A
15	Carpenter's Set Square ကျဉ်တွယ်		12"	2 unit	3.0	6.0	N/A
Estimated Total: (considering one kit for SHH) Estimated cost Yangon area Feb/23 – It's recommended to include 15% on top of the price for transportation						91.3	

5.1.5. TENTS

- The typology of tents should be agreed upon collaboratively by all cluster members.
- Tents must be provided without any visible logos
- Technical assistance must accompany the distribution of tents to support proper installation.
- In cases where tents are provided within collective sites, engagement with the Site Management Committee is required.
- Ensure adequate living space, with a minimum of 17.5 square meters per family of five, in accordance with Sphere Standards.
- Secure acceptance from the affected community regarding the shelter solution.
- Prioritize thermal comfort, including sufficient ventilation.
- Ensure effective rain protection measures.
- Incorporate fire safety measures.
- Plan for the re-use or safe disposal of shelter materials.
- Account for transportation logistics and feasibility.






Distribution of emergency shelter kits is strongly recommended over distribution of tents whenever feasible, as they offer greater flexibility and can be better adapted to the local context and needs of the affected population.

6. NON-FOOD ITEMS ASSISTANCE

(0-3 months) [Myanmar Basic Shelter NFI Kit Guidance \(2023\)](#)

6.1. Core Relief Kit: Sagaing & Magway






Estimated cost prior to EQ: 476, 000 MMK (113,74USD)

Sagaing & Magway_Core-relief NFI kit									
Kit Composition (5 people/HH)									
#	Item	Reference image	Technical specifications	Qty per HH	UOM	Unit cost (MMK)	Total cost (MMK)	Remark	
1	Blanket		high thermal 1,5x2,0m/5mm	3	EA	35000	105000	High thermal blanket for cold region.	
2	Sleeping mat		Water proof, Synthetic yarns 100x190cm	3	EA	25000	75000		
3	Mosquito net		Long lasting insecticidal net. Polyester or Polyethylene 190x100 cm	3	EA	32000	96000	Insecticidal net is recommended. If not, use locally available mosquito net.	
4	Solar lamp/ Flashlight		Hand-held + solar powered	1	EA	50000	50000		
5	Kitchen set		See kitchen set composition	1	set	150000	150000		
Estimated total (MMK)							476000	USD 113.74	

NOTE: Distribution of solar lamps is essential to mitigate protection risks.













6.2. Core Relief NFI Kit: Mandalay (5 people/HH)

Estimated Cost prior to EQ: 354, 000 MMK (84,59 USD)

Mandalay_Core-relief NFI kit									
Kit Composition (5 people/HH)									
#	Item	Reference image	Technical specifications	Qty per HH	UOM	Unit cost (MMK)	Total cost (MMK)	Remark	
1	Blanket		high thermal 1,5x2,0m/5mm	3	EA	23000	69000	High thermal blanket for cold region.	
2	Sleeping mat		Water proof, Synthetic yarns 100x190cm	3	EA	23000	69000		
3	Mosquito net		Long lasting insecticidal net. Polyester or Polyethylene 190x100 cm	3	EA	19000	57000	Insecticidal net is recommended. If not, use locally available mosquito net.	
4	Solar lamp/ Flashlight		Hand-held + solar powered	1	EA	29000	29000		
5	Kitchen set		See kitchen set composition	1	set	130000	130000		
Estimated total (MMK)							354000	USD 84.59	


NOTE: Distribution of solar lamps is essential to mitigate protection risks.

6.3. Kitchen set: (included in the Core Relief KIT above)


Kitchen Set						
Permanent Items						
1	Cooking pot		Zinc or aluminum (Stainless Steel) 7L pot: 13 cm to 15 cm, 5L pot 10 cm to 12 cm, (all measures +/- 5%) both pots - 0.03 cm to 0.05 cm with hanging lip, with lid (all measures +/- 5%)	1	SET	2 pots in a set, aluminium type locally made (Core item)
2	Steel Bowl		Stainless steel, zinc, or Tin coated steel, 20 to 25cm (+/- 5%), 1 liter (+/- 5%)	5	EA	Core item
3	Plates		Stainless steel, 0.5 liters minimum (+/- 5%)	5	EA	Core item
4	Small fork		One-piece steel, solid	5	EA	
5	Small steel spoon (soup spoon)		One-piece stamped steel, solid "Asian" or "Thai" soup spoon, 10ml minimum	5	EA	Core item
6	Steel cup		Stainless steel or tin coated steel, 0.3 liters minimum, (+/- 5%)	5	EA	Core item
7	Big steel serving spoon		Stainless steel, solid, if more than one-piece, solid welds, or rivets for connections.	2	EA	Core item
8	Kitchen Knife with stainless steel blade		Stainless steel blade, wood, or plastic handle	1	EA	Core item
9	Steel or Aluminum frying pan (wok) with lid		Steel or Aluminum, 5 liters	1	EA	Core item
10	Wooden serving spoon		Bamboo or hardwood	1	EA	Core item
11	Stainless steel serving ladle		Stainless steel, solid, if more than one-piece, solid welds, or rivets for connections.	1	EA	Core item
12	Stainless steel scouring pad		Stainless steel wire scouring pad, 15g minimum (+/- 5%)	1	EA	

7. TECHNICAL GUIDANCE/ ORIENTATION: IEC MATERIAL

7.1. Better Tarpaulin Installation



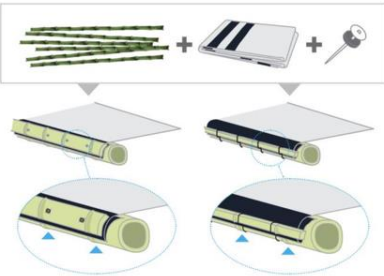
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BETTER TARPAULIN INSTALLATION
တာပေါလ်ကို ပိုမိုကောင်းမွန်သည့် ပုံစံဖြင့် တပ်ဆင်ခြင်း


Fixing tarpaulin to bamboo
တာပေါလ်ကို ဝါးဖြင့် တပ်ဆင်ခြင်း



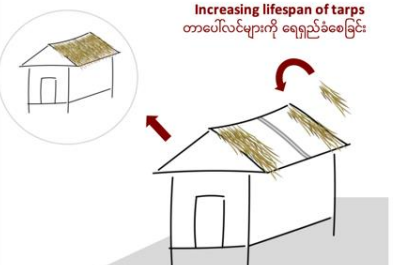
Tensing tarpaulin with bamboo
ဝါးဖြင့် တာပေါလ်ကို မြှုပ်စေခြင်း



Fixing tarpaulin to timber
တာပေါလ်ကို သစ်သီးဖြင့် တပ်ဆင်ခြင်း




Increasing lifespan of tarps
တာပေါလ်များကို ရှေ့ညှစ်ခံစေခြင်း




- Nipa palm - ဓနိ
- Bamboo shingles - သွဲ
- Thatch grass - သက်ကယ်
- In - အင်ဖက်

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7.2. Better CGI Instalation

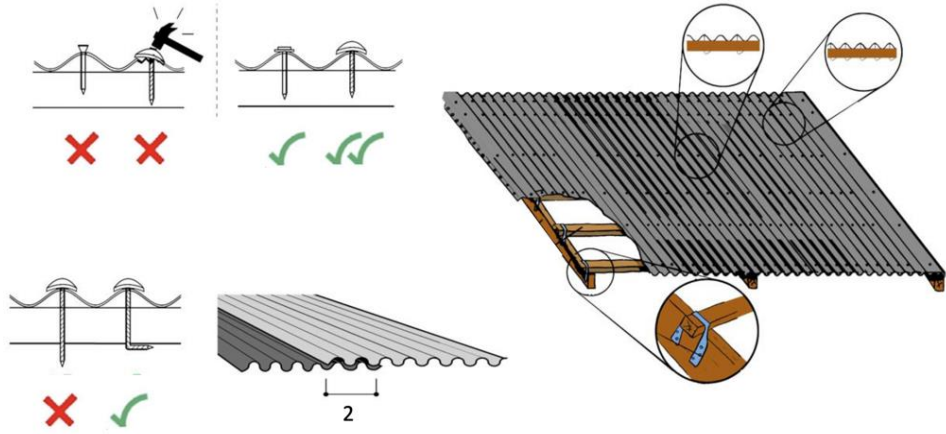


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BETTER CGI SHEETS INSTALLATION
ပိုမိုကောင်းမွန်သည့် အိမ်မိုးသွပ်ပြား တပ်ဆင်ခြင်း



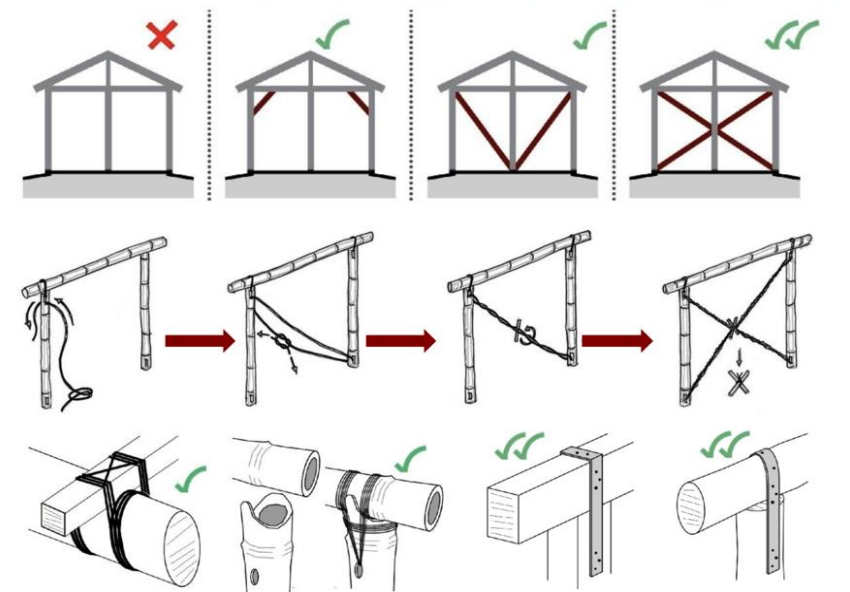
2023 EMERGENCY RESPONSE ၂၀၂၃ အရေးပေါ်တုံ့ပြန်မှု

7.3. Strong Structure, joints and connections


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STRONG STRUCTURES WITH BRACING AND JOINTS
 ကြားထောက်များ နှင့် အဆက်များဖြင့် ခိုင်မာသည့် အဆောက်အအုံများ



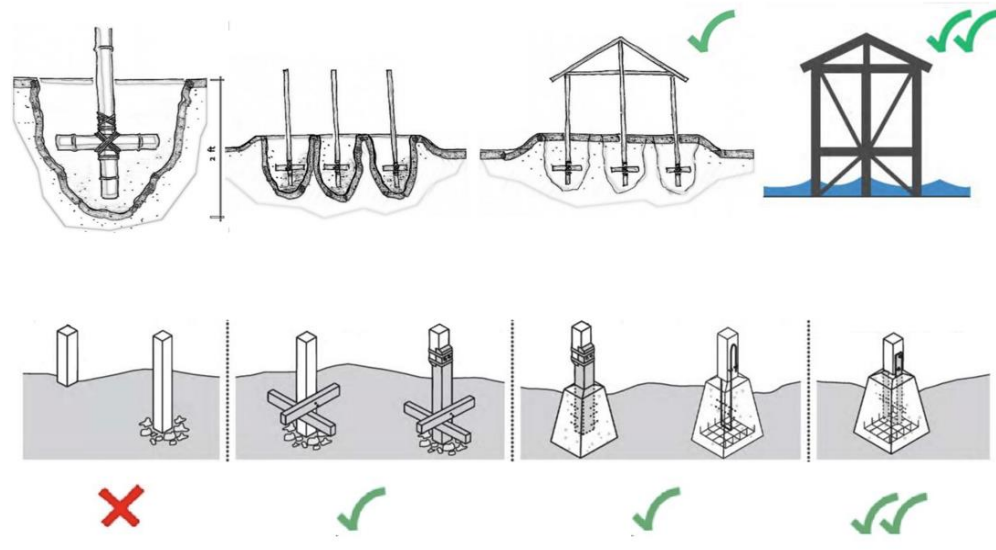
2023 EMERGENCY RESPONSE ၂၀၂၃ အရေးပေါ်တုံ့ပြန်မှု

7.4. Strong and elevated foundations


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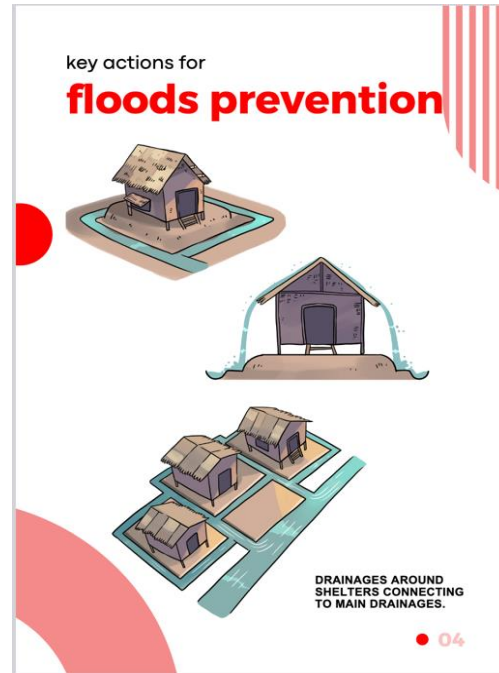
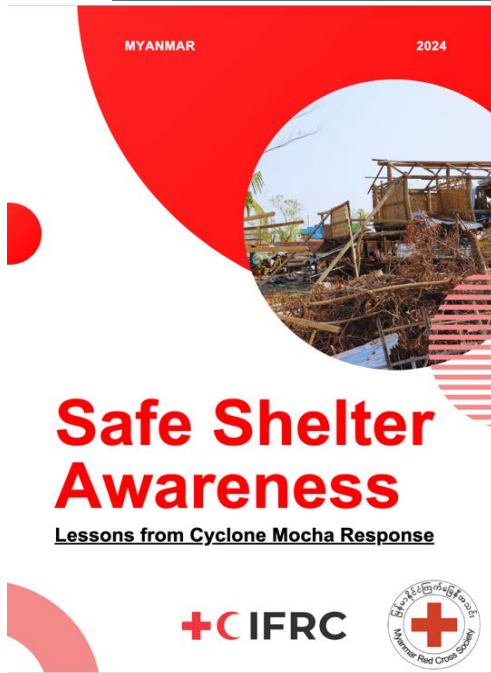

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STRONG AND ELEVATED FOUNDATIONS
 ကြံခိုင် မြင့်မားသည့် အုတ်မြစ်/အုတ်မိနပ်များ

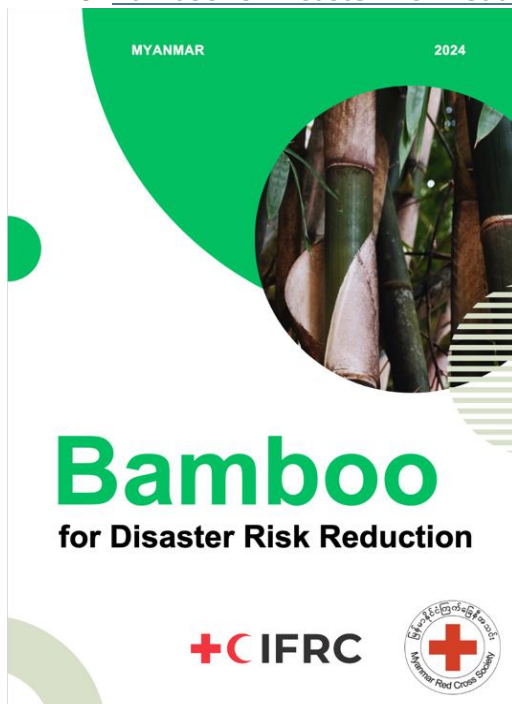


2023 EMERGENCY RESPONSE ၂၀၂၃ အရေးပေါ်တုံ့ပြန်မှု

7.5. Safe Shelter Awareness Booklet



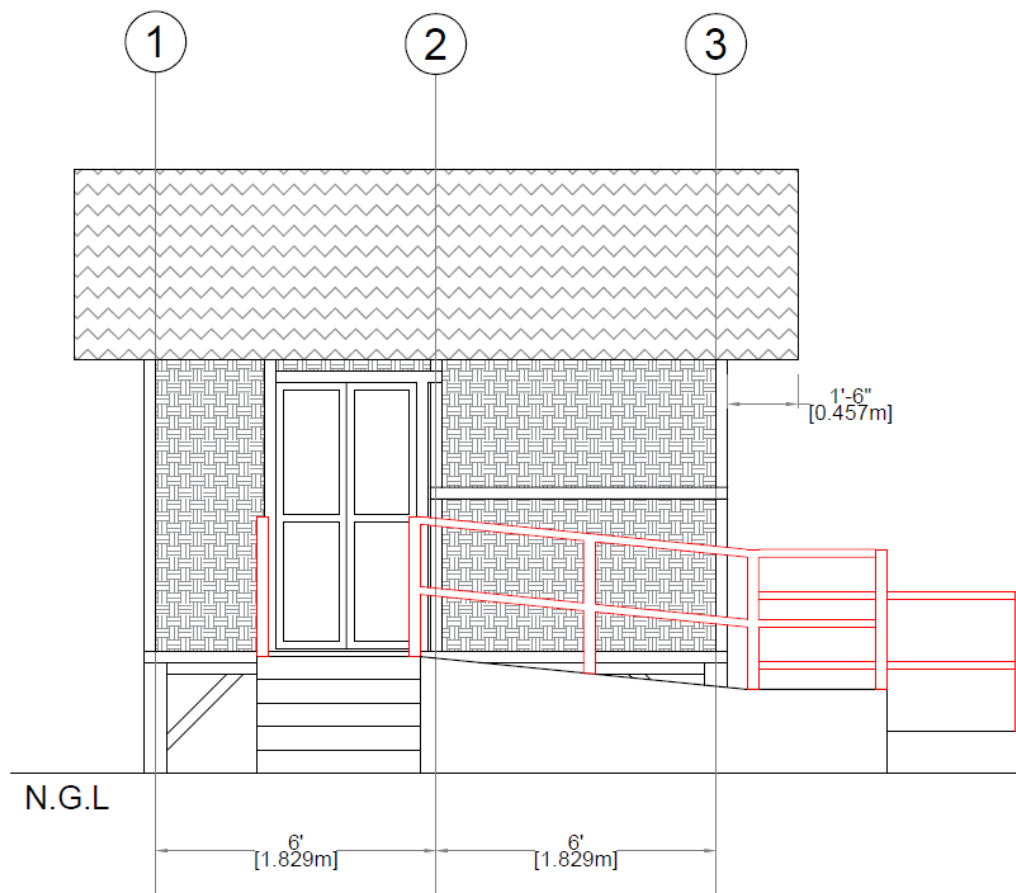
7.6. Bamboo for Disaster Risk Reduction



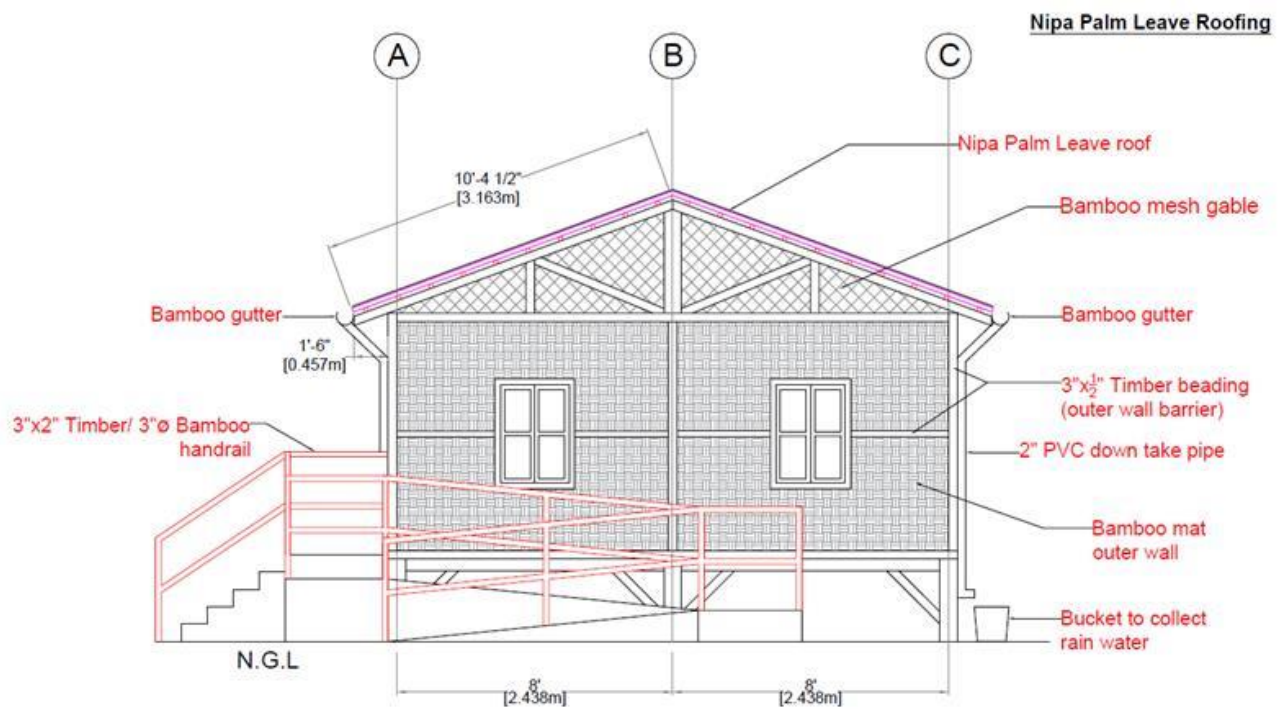
8. SOP CASH FOR SHELTER & NFI CBI
Standard Operating Procedure for Shelter and NFI CVA

9. TRANSITIONAL SHELTER DESIGN

- Localized, climate-smart and inclusive design
- Single HH design (5 people). For extended families two structures could be built in line
- Estimated time for construction 15-20 days
- Estimated cost: 1000 USD (To be confirmed after market prices analysis)
- Estimated life-span: 2 years
- Drawing and BoQ link here: [\[NW Hub\] Transitional shelter \(EQ response\) - Google Drive](#)



Front view



Right side view