





SHELTER & NFI TECHNICAL WORKING GROUP (TWG)
North-West (NW) Hub, Myanmar



# Guidance on Emergency Shelter and NFI Earthquake Response

Shelter/ NFI/ CCCM Technical Working Group
Northwest Region, Myanmar
April 2025





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North-West (NW) Hub, 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.





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#### 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:
  - o Debris removal and solid waste management
  - Prioritize local procurement and actively work to reduce the use of plastics and excessive packaging for distributed items.
  - o Carefully assess and manage the sourcing of construction materials.
  - Refer to Myanmar <u>Environment Guidance Note for EQ</u> (currently under development by the Global Shelter Cluster Environmental Community of Practice) and <u>Myanmar</u> <u>Environmental Country Profile</u> 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.)

<sup>&</sup>lt;sup>1</sup> Safe Distribution Guidelines PC- Myanmar 2025.pdf





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### 3. TYPES OF EMERGENCY SHELTER/CCCM ASSISTANCE

Type of assistance	Implementation Time frame	Modality
Emergency shelter assistance	Short term (0-3 months)	<ul> <li>Distribution of emergency shelter kit (in-kind and/or cash)</li> <li>Distribution of tents</li> <li>Distribution of Tools</li> <li>CVA (Cash and Voucher Assistance) shelter-conditional (CASH SOPs)</li> <li>Technical assistance/orientation (IEC material) &amp; quality assurance</li> <li>Support for Debris removal at HH/Community level</li> </ul>
NFI (Essential HH Items)	Short term (0-3 months)	<ul> <li>Distribution of core-relief NFIs (in-kind and/or cash)</li> <li>CVA (Cash and Voucher Assistance) shelter-conditional (CASH SOPs)</li> </ul>
Transitional shelter	Short-mid term (0-12 months)	-Provision of construction material (adapted to design/BoQ) -Distribution of Tools - CVA (Cash and Voucher Assistance) shelter-conditional (CASH SOPs) -Technical assistance & quality assurance (Build Back Better) -Capacity building -Commissioned labour/contracted services (engage the community) - Support for Debris removal at HH/Community level
Repairs/Retrofitting	Mid term (3-12 months)	To be further discussed
CCCM	Short-mid term (0-12 months)	- Provision of CCCM services





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

т	arget Groups	Emergency Assistance (0-3 months) Recommended Interventions and Standards	Recovery Assistance (0-12 months)	Assumptions/Notes
		Emergency shelter kit (in kind and/or cash)	Х	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
		Tool Kit (in kind and/or cash)	Tool Kit (in kind and/or cash)	See below options and specifications
	HH located in collective sites (religious building,	Support debris removal at HH/site level (cash support)	Support debris removal at HH/site level (cash support)	Consideration of small scale interventions
	schools, community	Tents	X	See below options and specifications
	centres).	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 and provision of sanitation
		Technical awareness or support	Technical support	See below options and specifications
		Basic CCCM services	CCCM services	
Displaced	HH that have relocated to host families	Emergency shelter kit (in kind and/or cash)	Х	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
	(including tenants)	Core-relief NFI (in kind and/or cash)	Core-relief NFI (in kind and/or cash)- replenishment	See below options and specifications
		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
		Tool Kit (in kind and/or cash)	Tool Kit (in kind and/or cash)	See below options and specifications
	Informal sites/Open	Tents		See below options and specifications
	space/ makeshift shelters	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 and provision of sanitation





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

<sup>\*</sup>When providing transitional shelter in a displacement site, close coordination and agreement with the site committee is required.





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## 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. <u>Earthquake affected</u>: Household affected by the earthquake such as IDPs, returned, resettled, locally integrated.
- b. <u>Financial position</u>: 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





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- e. Elderly or child headed households
- f. <u>Support from other sources:</u> 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. <u>Level of shelter damage</u>: 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 /	Moderate damage	Minor damage
Totally destroyed:	(required engineer assistance)	(HH can repair themselves with
UNSAFE	SAFE/UNSAFE	technical advice) SAFE
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> <li>Partially collapsed internal walls or ceilings, with remaining structure still stable.</li> <li>Roof partially detached or missing, exposing rooms to weather.</li> <li>Broken staircases or balconies that create access or safety issues.</li> <li>Damaged windows, doors, and plumbing/electrical systems affecting functionality but repairable.</li> </ol>	<ol> <li>No visible cracks or damage to the load-bearing walls, foundation, columns, beams, or roof structure.</li> <li>The house is structurally sound and safe to occupy.</li> <li>Damage is limited to doors, windows, roofing materials (tiles, metal sheets, etc.), or external plastering/paint.</li> <li>Minor cracks in internal walls that do not go through the wall or affect stability.</li> <li>Water leakage from damaged roofing, but no collapse risk.</li> <li>Some damage to electrical wiring, water pipes, or fixtures, but easily repairable.</li> <li>Latrines or kitchens might be slightly affected but remain usable.</li> </ol>





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#### 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.



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#### 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.



#### အထုပ်အမျိုးအစား (က) - အရေးပေါ် မိုးကာထုပ်

အရေးပေါ် မိုးကာထုပ်ကို ထွက်ပြေးတိမ်းရှောင်ရခြင်း သို့မဟုတ် ကပ်ဘေး အခြေအနေများတွင် ထိခိုက်ခံစားရသူများ၏ အစီအစဉ်တကျ အခြေချ နေထိုင် ရာနေရာ၊ အစီအစဉ်တကျ မဟုတ်သည့် အခြေချနေထိုင်ရာနေရာ၊ စုပေါင်း နေထိုင်ရာ 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 တာပေါ်လင် 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		2.4	N/A						
Est	imated cost Yango	on area Feb/23 – It's	28.0							

#### 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.



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### 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)

			Minimum Required	Items (5 ]	people/H	(H)		
#	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
or:	Nipa Palm leaf		Locally available leaf approximately: Length - 3 feet, Width - 1.5 feet	350	pcs	400	140000	change based on local market availability.
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
or:	Bamboo mat		(6' x 11') sheet - dimension may vary but same area (~270 SqFt)	4	sheet	25000	100000	market availability and local people preferences.
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	<b>1201</b>	Ø 2 ~ 3mm	2	pack	15000	30000	Core item: Use for tying floor, walling,
or:	Bending wire		Galvanized wire 1,31mm/18 gauge	1	viss	50000	50000	and roof framing. Consider other locally available/suitable items
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	Core item: Use for structure. Can be replaced with other materials based on market
or:	Local Myaw Post		4"~6" Ø Myaw Post (15ft length)	6	pcs	35000	210000	availability and local preferences.
			To a	imated Cu	and Total	(minimum).	MMK 415,000	TICD 00 16

<sup>\*</sup> UN Exchange rate 1 USD = 4185 MMK as of 1st April 2025.



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### 5.1.3. Emergency Shelter Kit: Mandalay

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

			Mandalay_ Eme			10000		
	_	I	Minimum Required	items (5)	peopie/ n		T-4-14	
#	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
or:	Nipa Palm leaf		Locally available leaf approximately: Length - 3 feet, Width - 1.5 feet	350	pcs	350	122500	change based on local market availability.
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
or:	Bamboo mat		(6' x 11') sheet - dimension may vary but same area (~ 270 SqFt)	4	sheet	25000	100000	market eveilability and local
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	900	Ø 2 ~ 3mm	2	pack	13000	26000	
or:	Bending wire		Galvanized wire 1,31mm/18 gauge	1	viss	50000	50000	and roof framing. Consider other locally available/suitable items
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
or:	Local Myaw Post		4"~6" Ø Myaw Post (15ft length)	6	pcs	20000	120000	materials based on market availability and local preferences.
	1		i Fet	imated Gr	and Total	l (minimum):	MMK 330,000	USD 78.85
							MMK 552,500	

<sup>\*</sup> UN Exchange rate 1 USD = 4185 MMK as of 1st April 2025.





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#### 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) **အိမ်ဆောက်ပစ္စည်းထုပ်** (အမြဲပါဝင်ပစ္စည်းများ)

To attend a group of 5HH

			Permanent	Items			
#	Item	Reference image	Technical Specifications	Quantity	Est. cost (usd)	Total cost (usd)	Remarks
1	Nylon rope နိုင်လွန်ကြိုး		ø 8 to 10mm	27m	2.4	2.4	N/A
2	Binding wire သနန်းးကြိုး		Galvanized wire 1,31mm/18 gauge	1 viss	10.0	10.0	N/A
3	Nails အိမ်ရိုက်သံ	W	1" 1.5" 2" 2.5" 3"	1.5 viss each	2.1	10.5	For the region with checkpoint restrictions, this item may nee to be excluded
4	Umbrella nail (roofing) သွပ်မိုးရိုက်သံ	1	75x3.6mm, head ø 20mm, thickness 2mm + washers	1 viss	2.1	2.1	For the region with checkpoint restrictions, this item may nee to be excluded
5	Local knife ទោះម	, i	405mm/16", length 55cm	5 unit	8.0	8.0	For the region with checkpoint restrictions, this item may nee 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 nee to be excluded
7	Claw hammer ၁ ပေါင်တူ	<b>F</b>	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 nee to be excluded
8	Hand saw လက်ထိုးလွှ	T	20" - 24"	1 unit	8.0	8.0	For the region with checkpoint restrictions, this item may nee to be excluded
9	Pliers ပလာယာ	ለዕለ	Kit with 3 types	1 unit	6.0	6.0	For the region with checkpoint restrictions, this item may nee to be excluded
10	File တံစဉ်း	/	5.5" long	1 unit	4.0	4.0	For the region with checkpoint restrictions, this item may nee 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 nee to be excluded
12	Sharpening Stone ဓားသွေးကျောက်	Je	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
			(considering one kit for 5HH) ended to include 15% on top of th			91.3	





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#### 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 to ensure acceptance by authorities in SACcontrolled areas.
- 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.

Where appropriate, the distribution of emergency shelter kits is preferred, particularly in non-SAC-controlled areas and where the visibility of tents may pose a protection risk.

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.





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#### 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	иом	Unit cost (MMK)	Total cost (MMK)	Remark			
1	Blanket		high thermal 1,5x2,0m/5mm	3	EA	35000	105000	<b>High thermal</b> 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	3	Hand-held + solar powered	1	EA	50000	50000				
5	Kitchen set	8	See kitchen set composition	1	set	150000	150000				
	1		ı	Esti	mated t	otal (MMK)	476000	USD 113.74			

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





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### 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)									
#	ltem	Reference image	Technical specifications	Qty per HH	иом	Unit cost (MMK)	Total cost (MMK)	Remark		
1	Blanket		high thermal 1,5x2,0m/5mm	3	EA	23000	1 69000	<b>High thermal</b> 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	5 Kitchen set See kitchen set composition 1 set 130000 130000									
			<del>!</del>	Esti	mated t	otal (MMK)	354000	USD 84.59		

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





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

			Kitchen Set			
			Permament Items			
1	Cooking pot	O.U.	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	0	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)	A BASE	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	12.3	Bamboo or hardwood	1	EA	Core item
11	Stainless steel serving ladle	6	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	





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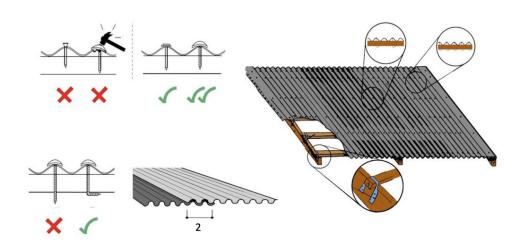
#### 7. **TECHNICAL GUIDANCE/ ORIENTATION: IEC MATERIAL**

# **7.1.** Better Tarpaulin Installation Shelter Cluster Myanmar ShelterCluster.org Coordinating Humanitarian Shelter BETTER TARPAULIN INSTALLATION တာပေါ်လင်ကို ပိုမိုကောင်းမွန်သည့် ပုံစံဖြင့် တပ်ဆင်ခြင်း ဝါးဖြင့် တာပေါ်လင်စကို မြဲမြဲစေခြင်း Nipa palm - ဓနိ Bamboo shingles - သဲ့ Thatch grass - သက်ကယ် In - အင်ဖက် Increasing lifespan of tarps တာပေါ်လင်များကို ရေရှည်ခံစေခြင်း

#### 7.2. Better CGI Instalation



2023 EMERGENCY RESPONSE ၂၀၂၃ အရေးပေါ်တုန့်ပြန်မှု



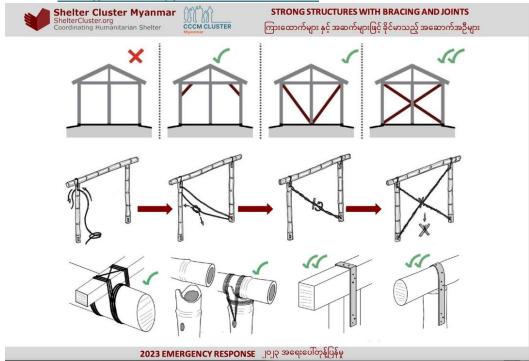
2023 EMERGENCY RESPONSE ၂၀၂၃ အရေးပေါ်တုန့်ပြန်မှု



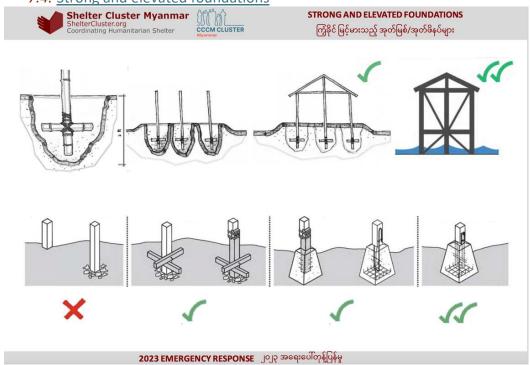


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#### 7.3. Strong Structure, joints and connections



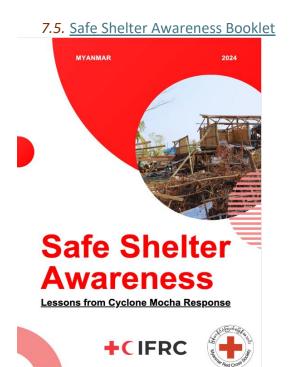
#### 7.4. Strong and elevated foundations

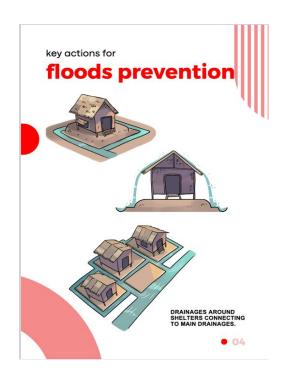


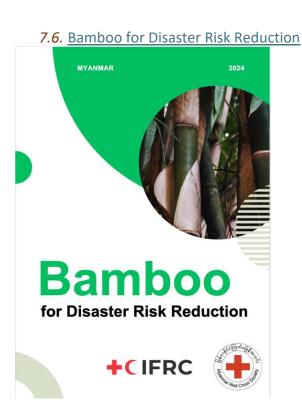




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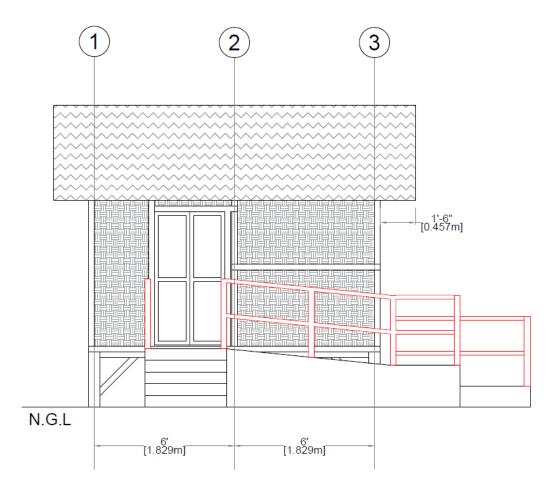
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#### 8. SOP CASH FOR SHELTER & NFI CBI

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

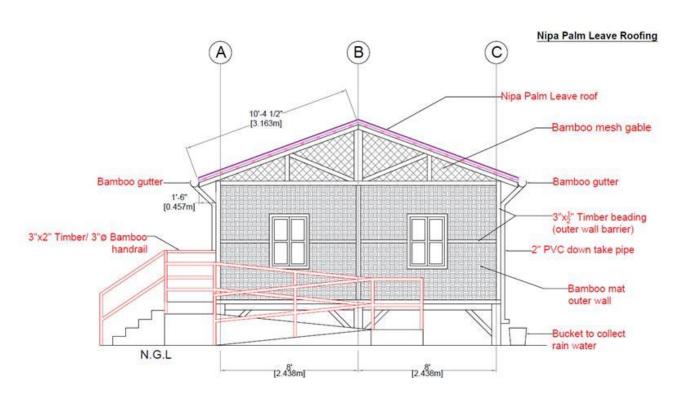


Front view





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Right side view