

Guidance Note on Winterization for Northwest Syria

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Overview

This Guidance Note addresses the needs of vulnerable families (IDPs, returnees or host communities) during the winter months.

All interventions should be based on needs assessments.

Due to funding constraints, the S/NFI Cluster targets highly vulnerable households during cold winter periods. Winter increases respiratory infections, leading to higher hospitalization, morbidity, and mortality rates. Without adequate warmth and shelter, the risk of respiratory infections, hypothermia, and preventable deaths rises, especially for children and the elderly. The S/NFI Cluster has guidelines to identify highly vulnerable families, including female-headed households, households led by persons with disabilities or chronic illnesses, elderly-headed households (60+ years) without able-bodied adults, child-headed households, families with pregnant/lactating women or people with disabilities or severe chronic diseases, and households hosting orphans. This prioritization ensures that the most vulnerable populations in the hardest-hit areas receive timely and effective winterization assistance.

The Shelter/Non-Food Items (SNFI) Cluster members providing winter assistance should make sure that the basic needs of beneficiaries are also covered on timely basis.

The whole document should be regarded as the absolute minimum recommendations to support vulnerable households in north-west Syria during winter.

A standardized winter package would be a combination of several items and not only one of the assistance types listed below. Based on the high needs in north-west Syria (2 million – Winterization PIN), and the 2 million people living in IDP sites, these minimum recommendations should be regarded as a support mechanism or an injection of humanitarian aid and not full assistance due to the limited amount of funding.

Winterization activities

Increasing the thermal comfort of households (HHs) during winter months is considered a time-bound lifesaving activity and as such a priority of the SNFI Cluster. Distribution of stoves and fuel for heating and cooking is one of the recommended responses. The assumption is made that targeted HHs already received the new arrival kit/full NFI kit, and/or have the core items in their possession.

The following items are **not considered part of winter** assistance as they should be included in the emergency response:

- Shelter (tent, apartment, etc.);
- Kitchen set;
- Plastic sheets/tarpaulin distribution;
- Hygiene kit (WASH).

Solar panels and batteries aren't part of winter response but could improve the living conditions and enhance safety. Flood risk reduction is critical to be conducted prior to winter season to ensure smooth access to the shelter units and available services in IDP sites during the rainy season. ([Please visit SNFI Cluster - Better Programming Initiative.](#))

Key winterization activities

- 1. Fuel and stove distribution;**
- 2. Tent thermal insulation;**
- 3. Thermal blanket distribution;**
- 4. Winter clothes distribution for adults, elderly, and children.**

Timeliness

The cluster highly recommends starting winterization aid delivery in advance of the winter season in north-west Syria (NWS) based on the severity scale and needs. It is preferable for the cluster members to delivering support as of November through to January due to the climate change and the extended winter seasons in order to provide assistance prior to, or during the coldest months in NWS. [Please visit SNFI Cluster - Better Programming Initiative.](#)

The major objective of the winter response is enabling the targeted vulnerable groups getting prepared prior to winter through the delivery of aid on timely manner..

Modalities

The distribution modality, whenever feasible, should allow for as much choice as possible; using the cash and/or voucher modality as the preferred method. This will enable the targeted beneficiaries to select the appropriate type of assistance (fuel & stoves, clothes, etc.).

The recommended value for the **Winter Labelled Cash** (multipurpose cash) or **Winter Voucher is USD 180** . Partners are encouraged to ensure that targeted households benefitting from winter labelled cash also have access to food. However, prioritizing only beneficiaries with food assistance will leave a vast portion of vulnerable groups with no support and should not be used as an exclusion criteria.

PDM reports show that if food needs are not met, beneficiaries prioritize food and are not able to spend money on fuel, clothes or other winter items but this is the nature of unrestricted cash delivery enabling beneficiaries to meet their inter-sectoral acute needs. **More information on winter labelled cash distribution and recommendations is provided below in a dedicated section.**

Vulnerability and Eligibility Criteria ¹

The Shelter NFI cluster's recommendation for Northwest Syria responses regarding winterization is that distributions should be based on needs and target the most vulnerable households. This applies to all modalities: Cash, Voucher, and In-kind. This approach complements the targeting and severity analysis conducted by the Shelter NFI cluster before each winter season.

The following criteria are objective, static, and verifiable. This means all Shelter NFI cluster partners can assess and verify these criteria without them changing significantly over time.

Recommended inclusion criteria

- Household (HH) headed by a female (no able-bodied man in the HH)
- HH headed by a person with disability or chronic illness requiring constant support.
- HH headed by an older person (≥ 60 years) with no able-bodied adult.
- HH headed by a child (<18 years) with no able-bodied adult.
- HH displaced within the last 6 months: Optional criterion, applicable when verifiable, especially during emergencies.
- HH Winterization Vulnerability Score: includes pregnant or breastfeeding females, people with disabilities (score 3 or 4 on the Washington scale), individuals with severe chronic diseases, and those over 60 years old.
- HH hosting orphan(s)
- Shelter and accommodation status
- + One adapted contextual criterion (based on local community consultations)

Recommended exclusion Criteria

- Apply only when criteria can be verified through assessments or community feedback mechanisms.
- If an exclusion criterion applies to the assessed household, they are automatically excluded from targeting. There's no need to calculate or sum scores for these households.
- Household assets identified as extensively productive
- Verifiable income exceeding the SMEB (currently \$30 USD per individual)
- Non-existent household members absent for two consecutive distribution rounds (Ghost beneficiaries)
- Household receiving substantial assistance (regular multi-purpose cash or similar NFI/Winterization aid from another agency). Note: Regular food assistance recipients remain eligible.

These criteria should be refined by location, considering the following:

- Combine statistical analysis with community approaches to reduce errors and increase social acceptability.
- Conduct community consultations through an adequate number of focus group discussions (FGDs) with various stakeholders and community groups.
- Partners should allow flexibility in their planning to adapt and reduce errors as the program develops (iterative process)
- Implement robust monitoring of both inclusion and exclusion errors.

¹ Refer to the Shelter and NFI Clusters' Basic Targeting Guidelines for Winterization and NFI Assistance for details on how to target

Shelter Winterization and Flood Prevention

The SNFI Cluster recommends specific **shelter activities** in order to protect the people living in emergency shelters, makeshift shelters and/or unfinished/damaged buildings and/or shelters. These activities would support the shelter unit and household from cold weather and are recommended to be implemented before the winter. ([*Please visit SNFI Cluster - Better Programming Initiative.*](#))

At the camp level:

- Drainage;
- Road's gravelling/site preparation and planning.

The cluster recommends a full package of sub activities for flood risk reduction following the TWiG guidance.

At the shelter level:

- Ground levelling for tents;
- Tarpaulin for lightly damaged tents;
- New tents for people living in dilapidated tents/makeshift shelters.
- Avoid delivering tents made of cloth that allow rainwater to leak inside. If to be delivered, it is recommended to be accompanied by a plastic sheet to prevent water leaking inside.

In unfinished/damaged buildings and/or shelters in IDP sites and camps as well as communities:

- Quick fixing (in case of emergency or if no authorization is provided by the landlord);
- Shelter rehabilitation/repair.

The intervention should happen prior to the winter season.

Winter Labelled Cash / Winter Cash Response

The SNFI Cluster in collaboration with the Cash Working Group strongly recommend the usage of **cash/voucher** as a **modality for winter response**.

Recommended cash value for 2024-25 : 180 USD/household

Cash should be provided as **early as possible to ensure beneficiary households can procure the needed fuel, clothes, or other winter items prior to the coldest months**. The general recommendation is **to start distribution in October and finish by end of November**.

There is no recommendation for the cash value to be transferred or delivered in three batches unless it is strongly justified based on beneficiary feedback. The distribution of fuel in three batches is only linked to in-kind distribution in regard to storage capacity and security concerns. This ensures cost efficient approach where applicable.

The recommendation for integrated programming with the frequent food distributions to most vulnerable is only a recommendation where applicable. This should not be used to deprive vulnerable households/individuals that are not targeted with any other services from potential winterization assistance. The recommendation is useful to increase the extent to which the provided cash is used for winter needs over other household needs.

Important Note: All prices in this guidance are subject to change. The winter guidance note will be treated as a living document and updated, if necessary, in discussion with the cluster’s strategic advisory group (SAG). Prices are subject to change.

According to 2024 Winter After Action Review Meeting and related PDMs, it is recommended to consider a margin of price increase of about 20% to the currently listed unit cost and price ranges

Shelter

Items/kits	Targeted population	Comment/description	Quantity	Recommended modality	Unit cost
Tarpaulin	Family living in a makeshift shelter or damaged tent.	<p>Tents and makeshift shelters have a limited lifespan (around one year). In order to increase the lifespan, it is recommended to add plastic sheeting on the roof and/or wherever the shelter is not waterproof/windproof. This solution is much cheaper than a new tent. If the tent is highly damaged, it is recommended to replace it with a new one.</p> <p>Dimensions: 6 m X 4 m</p> <p>Material: Woven high-density polyethylene (HDPE) black fibres fabric laminated on both sides with low density polyethylene (LDPE) coating.</p> <p>Reinforcement: Reinforced rims by heat sealing on all sides.</p> <p>Resistance: -20 C to 80 C.</p> <p>Eyelets: Provided with aluminium eyelets or equivalent on four sheet sides of the single sheets at 100 cm +/-5 cm centre to centre, providing very strong fixation points.</p> <p>Weight: 200 g/m² ±5%, total: 4800 g ±5%.</p> <p>Colour: White sun reflective on both sides, grey bands. Inner black fibres with good opacity</p>	2-3	In-kind Consider flexible response options when appropriate, e.g. cash/voucher when markets are functional, and good quality tarpaulins are available at affordable prices.	\$12 – \$20 depending on the quantities procured.
Ground levelling	Family living in a makeshift shelter or tent in areas without drainage.	Raising the tent’s ground by 20 cm to protect it from flooding and various environmental effects. 15 cm of coarse gravel (1.6 – 3.2 cm) and 5 to 7 cm of fine gravel (0.4 – 0.8 cm) surrounded by 15*20*40 cm cement blocks.		In-kind	\$40 – \$50 depending on the quality, location and season of purchasing.
Tent insulation	Family living in a tent.	<p>Tent insulation helps reduce fuel consumption and keeps the shelter 3-4 °C warmer. However, to be effective, the insulation has to be installed properly. This insulation can be implemented only if all the other families have a waterproof tent and ground levelling which are first priorities. The number of insulation rolls has to be adapted to the shelter. If the rolls are not connected and joined firmly, or part of the shelter is not covered with insulation, the insulation becomes useless (thermal bridge). Insulation Roll specifications:</p> <ul style="list-style-type: none">Roll Foil + XPE/EPE foam.Thickness: 12 mm.Roll dimensions: 1 m of width, 20 m length.Insulation adhesive: Polyethylene Reinforced insulation/ Aluminium foiled tape. <p>The required insulation material per tent is 50 m2 (it is preferred to allocate two rolls per tent, each one is 1m wide and 25 m long).</p> <p>Other required tools per tent:</p> <ul style="list-style-type: none">Duct tape: JFBL Adhesive Tape Waterproof Adhesive Cloth Tape. Duct colour: Silver grey / Size: 50 mm X 10 m.Nylon cable ties: Length: 300 mm, diameter: 102 mm, minimum tensile strength: 65 kg. <p>Metal grommets: 9*4.5*5 mm (Outer diameter * Inner diameter * Height).</p>	Depends on the size of the shelter	In-kind	\$130 - \$140 USD

Important remark: The first priority is to ensure that all families in NWS have a waterproof and windproof shelter. Therefore, it is recommended to prioritize the provision of tarpaulin and the ground levelling when needed. Then, thermal insulation can be provided to reduce the fuel consumption and improve the thermal comfort. All winter shelter assistance should be provided before the winter.

Non-Food Items

- Prices are estimated and based on Turkey prices. Prices are subject to change.
- When determining feasibility of cash/voucher as a response option, conduct the requisite assessments of markets, vendors and staff capacity.
- Ask beneficiaries which modality of assistance and delivery they prefer; households are best placed to determine what works best for their unique set of circumstances.

Items/kits	Targeted population	Comment/description	Quantity	Recommended modality	Unit cost
Stove	For families that did not receive winter assistance in the past. Avoid blanket distribution.	<p>not receive winter assistance in the past. Avoid blanket distribution. Distribute stoves that could be used for both cooking and heating and could consume various types of fuel. Stoves have to be, as much as possible, fuel efficient.</p> <p>Consider distributing locally produced and/or procured stoves. Distribute stoves that can be used with fuels available in the area of distribution. Consider safety and protection from the stove (avoid open flames, consider stability of the stove, distribute protection elements for the floor, consider how to evacuate smoke and by-products, consider safety of children). This can be achieved, for example, by providing safety partitions, strong solid bases and specific pipes for the smoke and fumes. When distributing stoves in tents, make sure there is a specific outlet in the tent for the smoke pipes. Consider insulation of the shelter unit to reduce heat dispersion. Consider distribution of winterization kits for tents or sealing kits for permanent homes. (For example, UNHCR winter kit for tents and emergency shelter kit for other shelters).</p>	1 per HH	In-kind Consider flexible response options when appropriate, e.g. cash/voucher when markets are functional, and good quality stoves are available at affordable prices	\$45.
Fuel	Family living in a makeshift shelter, tent, or damaged/unfinished buildings.	<ul style="list-style-type: none">▪ Heating: Cover the heating fuel needs for the months of December, January and February as a minimum for lifesaving activities; with November and March covered based on a needs assessment (consider average temperatures, altitude, geographical area, rural/urban setting, shelter type etc.).▪ Cooking: According to Sphere Standards, fuel for cooking is considered as a lifesaving activity and should be distributed throughout the year. Consider the type of fuel available and the prices in the area of distribution.▪ Consider the quality of fuel in the area of distribution▪ Consider distributing fuel in several rounds, to avoid storing large quantities of fuel for a long time.▪ Consider the logistics of distributing fuel (transportation and storage).▪ Consider the distribution of containers for storing liquid fuel (jerry cans in different colours than for water, that are easy to pour to avoid spilling fuel).▪ Whenever possible, ensure that the market is responsive and the quality is good, favour cash response modalities.	Please refer to the table below listing various fuel types and recommended quantities.	Cash Consider flexible response options when appropriate, e.g. cash/voucher when markets are functional, and good quality fuel options are available at affordable prices. If not possible, consider voucher or in-kind.	\$150
Thermal blankets Single: 150 x 200 cm	For vulnerable families that have not received winterization assistance in the past.	<p>Material: Minimum 60% acrylic and 40% cotton/polyester mixture. Thickness: Minimum 5-5.5 mm. Colour: No black, red, or white. Assorted dark colours. Shrinkage: Maximum 5% after 3 consecutive machine washes at 30°C and one flat drying. Single blanket Dimension: 150 x 200 cm ±3%. Weight: Minimum 835 g/m2. Minimum 2.5 kg. ± 3%. Other specifications: No bad smell, not irritating to the skin, no dust. 4<pH<9, fire resistant. Fit for human use. Free from harmful VOC (Volatile Organic Components). Fire resistance to cigarettes (no ignition). Bias fabric and ttitch yarns should be 100% polyester.</p> <p>Label: Brand name and “Battaniye” stated on the label. Packaging: Individually packed in a plastic bag (transparent). Quality control:</p> <ul style="list-style-type: none">▪ Measure the weight.▪ Measure the width, length and thickness.▪ Check that the material is uniform and free of defects		Cash if the market is functioning.	5 X 6 USD = \$30

Non-Food Items

Items/kits	Targeted population	Comment/description	Quantity	Recommended modality	Unit cost
Winter clothing	For vulnerable families that have not received winterization assistance in the past.	The organization providing clothing (in-kind, voucher or cash) should adapt the assistance to the number of people in the family. Assessments In line with the Sphere Standards, “All women, girls, men and boys have at least two full sets of clothing in the correct size that are appropriate to the culture, season and climate”; it was decided to advocate to include a question in needs assessments. Specifications: Please refer to ANNEX 1 – Winter Clothes.	Cash or voucher. Avoid in-kind if possible (depends on market availability). Distribution modality, whenever possible, should allow for as much choice as possible, with the use of the cash and/or voucher modality as the preferred method. This is to avoid challenges identified in the past, such as: quality, items not being adapted culturally, incorrect sizes, issues with colors and patterns, etc.	Cash	\$28 per child
				if the market is functioning. Voucher if the market is functioning and if cash is not possible.	\$33 per adult

Fuel Table (Fuel for Heating)

Below is an illustrative table with different types of fuels and quantities that have been distributed by partners in the past. Each organization is encouraged to conduct their own assessment to estimate the required quantities. The organizations need to assess which type of fuel is better in their location, depending on the type of stove people already have, the current local price of fuel, etc.

Organizations have to verify the quality of fuel from their suppliers when provided in-kind. If organizations choose voucher or cash, they should include quality control in their market assessment in order to minimize the risk of cash misuse and aid diversion.

If in-kind intervention, fuel distribution is recommended to be a repeated activity due to IDPs often having limited storage space and the risk of theft. The coldest months in NWS are reported as December, January and February. If possible, fuel distributions should cover these months with ideal planning for the first batch of fuel to be distributed early December. Note, this recommendation covers the heating needs for only a couple of hours per day.

Type	Quantities for Heating per Family	Price per unit	Approx. Price for 3 months	Sources	Notes
Pistachio endocarp/shell	250 kg/month for 3-4 months (Total 1 MT)	\$200/ Metric Ton	\$150	Syria and Turkey	There 2 types based on the quality, First class: the shell is open in the middle into two parts only, and each part of the shell is not damaged
Hazelnut endocarp/shell					Second class: the shell is damaged to different parts and there are impurities
Firewood	12 kg/day	\$135-\$150/Metric Ton	\$145.8-\$162	Syria	Hard to be stored in large quantities for safety issues. Delivery on batches. Consumption: 1.2~1.5 Kg/hour

Fuel Table (Fuel for Heating)






Type	Quantities for Heating per Family	Price per unit	Approx. Price for 3 months	Sources	Notes
Coal	10 kg/day	\$143-\$154/ Metric Ton	\$128.7- \$138.6	Turkey	Charcoal is culturally accepted. High attention should be given to ventilation while using the coal because of health issues which can be caused by coal Consumption: 1.2 Kg/hour
Diesel	4 L/day	\$0.63-\$0./L	\$226.8- \$349.2	Syria Turkey for high quality filtered diesel	Hard to be stored in large quantities, safety issues. Delivery on batches. Consumption: 0.5 L/hour
Kerosene	4 L/day	\$0.5-\$0.71/L	\$180-\$256	Syria	Not Recommended Hard to be stored in large quantities, safety issues. Consumption: 0.5 L/hour.
Gas	One cylinder /month (24-25 KG)	\$12-\$13 gas cylinder	\$36-\$39	Syria	It is used mainly for cooking; it might be used on limited scale for heating when available in the market and having the appropriate stoves. The price only mentions the cost of filling an empty cylinder. While the empty cylinder cost is \$15-\$20.
Pomace / Olive –Pit biomass	250 kg/month	\$140- \$160 USD per Metric Ton with the transportation cost to the beneficiary’s house	\$105-\$120	In Syria, Idleb and Afrin; and in Turkey, especially Hatay	The price might be different from year to year depending on the olive production in Syria. In Turkey: The pellet is more popular than olive-pit wood, however, it isn’t suitable for Syrian culture, so it needs to be considered to provide the appropriate type, in order to get the maximum benefit. Consumption: 2 Kg/hour

IMPORTANT - FIRE SAFETY: Cluster partners implementing stove and fuel distributions are highly recommended to conduct awareness raising sessions and/or distribute materials on fire safety targeting men, women and children to avoid fire hazards. It is better to avoid storing liquid fuel in warehouses. But in regard to the olive pits, coal and wood; it is better to obtain dried items that are stored by the supplier or the NGO itself.

Stoves illustrative table

Below is an illustrative table with different types of stoves that fit the needs of the Syrian response. Each organization is encouraged to distribute the appropriate type of stoves that fit with the distributed fuel.

The “Soba”, is the most common heating stove in Syria and is considered one of the best option as it can be used for both cooking and heating thanks to additional metal grids and can be used with different types of fuel.




Type	Photo	Estimated price	Fuel	Specification	Notes
Heating		\$45	Diesel	<ul style="list-style-type: none">Total weight: 7,400 grams.Sheet thickness: 0.5 mm.Thickness of porcelain: 0.4 mm.The quality of porcelain is European.Shirt diameter: 23 cm.The total diameter is 27 cm.Height: 62.5 cm.The weight of aluminium is 1.8 kg.Diesel tank with 0.5 mm thickness with float valve.Large aluminium strap.The tipper and cover made of cast iron.	<ul style="list-style-type: none">The stove is manufactured to work with diesel fuel, one stove for each family/ Shelter. The prices include the stove accessories.
Heating and cooking	 	\$60	Firewood, Charcoal and Olive Pit Biomass	<ul style="list-style-type: none">Length 60-70 cm (from top to bottom).Width: 30-54 cm (from right to left).Weight more than 30 kg.Diameter 34-50 (from the front door to the back).The inside of the stove is lined with fire bricks.2 front doors: To operate the stove and to clean the stove.The lower door must have special tray inside for cleaning.The top stove is cast iron.	<ul style="list-style-type: none">Multifunctional stove, smoke directed to outside, culturally accepted. The prices include the stove accessories. Please consider the two both key conditions in bold Important: Based on the best practices, cylinder stoves are much better and higher quality than rectang
Stove Accessories					
Endocarp/ Shell container and grinder			Pistachio and Hazelnut Peel/Shell	Provided in Annex 1 – Pistachio and Hazelnut Endocarp/Shell	
Venting Parts for the Diesel Stove			Diesel	<p>Exhaust pipe specifications:</p> <ul style="list-style-type: none">Black/brown porcelain coated pipes, squirted by thermal method, length between 78 cm and 80 cm.Diameter 10.5 cm, total thickness at least 0.4 mm,Three pipes are required for each stove/family. <p>Exhaust elbow pipe specifications:</p> <ul style="list-style-type: none">Black/brown porcelain-coated elbows squirt by thermal method.90-degree angle elbow.Diameter 10.5 cm, total thickness at least 0.4 mm.Two elbows are required for each stove/family.Metal porcelain-coated tray under the stove that fits with the size.Metal porcelain coated tray under the stove that fits with the size..	<ul style="list-style-type: none">Accessories are always accompanied to stoves.

Stoves illustrative table

Type	Photo	Estimated Price	Fuel	Specification	Notes
Venting Parts for the Olive pit Stove	 		Firewood, Charcoal and Olive Pit Biomass	<p>Exhaust pipe Specifications:</p> <ul style="list-style-type: none">Quantity per kit: 5Length 65-68 cm.Diameter 12-13 cm.Weight 800 gram.Coated with a private material to prevent peeling. <p>Exhaust elbow pipe specifications:</p> <ul style="list-style-type: none">Quantity per kit: 1Length 43 cm.Diameter 12-13 cm.90-degree angle elbow.Weight 450 gram <p>Shielding Floor Tray Specifications:</p> <ul style="list-style-type: none">Quantity per kit: 1Length 60 cmWidth 50 cmHeight 5.5 cmWeight 5.5 kgCreated from a special ironSheets to isolate the heat	<ul style="list-style-type: none">Accessories are always accompanied to stoves. Special attention has to be taken that this type of stoves require bigger diameter exhaust and pipes

Winterized NFI Kit Distribution

The SNFI Cluster recommends the following winterized NFI kit distributions during winter for protracted IDPs (no NFI assistance in the past 6 – 12 months) or new IDPs:

Winterized NFI Kit / in line with Core Essential Items						Total price 165~170 USD		Total weight 44.95 kg
No	Item	Size	QTY	Usage	Technical Specifications	Quality Control	Price	Comment
1	Plastic sheeting/ tarpaulin	4 x 6 m	2	Used for waterproofing roofs, or to cover damaged structures and upgrade tents.	<ul style="list-style-type: none">• Material: Woven high-density polyethylene (HDPE) black fibres fabric laminated on both sides with low density polyethylene (LDPE) coating.• Reinforcement: Reinforced rims by heat sealing on all sides.• Resistance: -20 C to 80 C.• Eyelets: Provided with aluminium eyelets or equivalent on four sheet sides of the single sheets at 100 cm +/-5 cm center to center, providing very strong fixation points.• Weight: 200 g/m² ±5%, total: 4800g ±5%.• Colour: White sun reflective on both sides, grey bands. Inner black fibers.	<ul style="list-style-type: none">• Open it and check that the sheet is white or a specified colour without fluctuation in colour.• Measure the weight, minimum 4,560 g – maximum 5,040 g.• Measure the width and length of the sheet.• Measure the width at three locations. The width should be between 3.96 and 4.04 m.	2X\$12.69 = \$25,38	
2	Jerry can	10 lt	2	Carry and store drinking water.	<ul style="list-style-type: none">• Type: Complete with screw cap and moulded carry handle of minimum 9 cm long. The inner diameter of cap minimum 30 mm. Drop test: can withstand drop of 2.5 metres when at full capacity.• Material: Non-collapsible POLYETHYLENE plastic. Tough flexible, food grade, low density polyethylene (LDPE), UV stabilized. With no sharp edges.• Size: 10 Lt• Weight: 455 grams minimum.• Colour: Light colour (yellow, white).	<ul style="list-style-type: none">• Measure the weight.• Measure length of handle and diameter of screw cap.• Check for sharp edges and heat-sealing quality.• Drop test: fill the jerry can with water and drop from 2.5 m height. To be accepted, the jerry can must resist to minimum 3 drops.	2X\$2=\$4	
3	Solar Lamps	N/A	1	A source of light in the night and for protection and security aspects.	<ul style="list-style-type: none">• Weatherproof and shockproof solar lamp with LEDs, and battery, all in one robust case. Plastic ABS / Transparent PC.• Solar panel: 6V, 0.7W. LED power: 4 LED 2W or 6 LED 3W. Battery: 4V or 6V, capacity should maintain minimum of 5 hours capacity after 3 years at full power. Rechargeable and replaceable battery, NiMH. RoHS-compliant• Charge time: Based on direct sunlight for 8 hours, the product has to work minimum 8 hours on full power, minimum 12 hours on half power. Match with AC charge (AC100-240V).• Light output: Minimum 4.Lux output on full power measured on the floor, from 2.20 m height. The testing has to be done at the start, and 3.5 hours after turning on the product.• Operating functions: 3 functions (Off, Half power and Full power)• Fixation/Hanging: Multiple options to hang, to fix or to secure the lamps. Built in anti-theft design preferred.• Warranty/Life span: Warranty: 1 year from purchase, Life Span: Minimum 3 years from the time of distribution (minimum 1000 charging cycles).• Packaging/visibility: Text on box shall be in Arabic and English. Other: With USB port + preferred phone charger function. Including instructions manual in Arabic			

Winterized NFI Kit Distribution

No	Item	Size	QTY	Usage	Technical Specifications	Quality Control	Price	Comment
4	Mattresses	Single 1.8 x 0.9 x 0.1 m	4 - 5 single	Bedding	<ul style="list-style-type: none">• Material: Polyurethane closed cell hard grey foam, 100% synthetic yarns from virgin or recycle raw material. Synthetic sleeping mats that are made from recycle materials must not contain fillers, like calcium carbonate or any other. Dimension: 1.8 x 0.9 x 0.1 m, Area 1.62 m2• Density: Minimum 24 kg/m³ (±2%)• Weight: Minimum 3.56 kg.• Load deflection: Minimum 16 kg.• Cover: Removable cover with zipper cotton or polyester/cotton canvas of 180 g/m² minimum. Size: 90 x 180 x 10 cm.	<ul style="list-style-type: none">• Measure the weight.• Measure the width, length and thickness.• Check that material is uniform.• Check the cover measures.• Check the cover zip, it should be easy to zip and unzip.	5 X \$14.2 = \$71	
5	Thermal Blankets	Single: 150 x 200cm	4 – 5 single (high thermal winter)	Bedding	<ul style="list-style-type: none">• Material: Minimum 60% acrylic and 40% cotton/ polyester mixture.• Thickness: 5-5.5 mm minimum.• Colour: No black, red, or white. Assorted dark colours.• Shrinkage: Maximum 5% after 3 consecutive machine washes at 30°C and one flat drying.• Dimension Single Dimension: 150 x 200cm ±3%.• Weight: Minimum 835 g/m2. Minimum 2.5 kg. ± 3%.• Other Spec: No bad smell, not irritating to the skin, no dust. 4<pH<9, fire resistant. Fit for human use. Free from harmful VOC (Volatile Organic Components). Fire resistance to cigarette (no ignition). Bias fabric and stitch yarns should be 100% polyester.• Label: Brand name and “Battaniye” stated on the label.• Packaging: Individually packed in a plastic bag (transparent).	<ul style="list-style-type: none">• Measure the weight.• Measure the width, length and thickness.• Check that material is uniform and free of defects.	5X\$6=\$30	
6	Carpet	200 x 300	6 sqm	Used to isolate the floor, prevent rising damp and as a clean area for cooking, eating and gathering.	<ul style="list-style-type: none">• Materials: Polipropilen (PP).• Finish: The two short sides to be secured with a first stitch folded hem of the carpet, plus one bias 40 mm binding tape of minimum 10 g/m with stitches through the fabric of the carpet, OR with a double folded stitched hem. Four sides trim finished.• Weight: Minimum 1050g/m² minimum, 12.6 kg total.• Size: 6 sqm minimum.• Yarn thickness (Dtex): Minimum 600 dtex.• Filament number: Minimum 72 trilobal.• Strength (gr/dtex): 1,8-3.• Stitch number: 25-30 pc/mt.• Hight of the tie knots: 9 mm.• Sequence: 1600 tie knots/dm².• Colour: Assorted, with neutral design	<ul style="list-style-type: none">• Measure the weight.• Measure the width, length and thickness.• Check that material is uniform and free of defects.	\$16.8	

Winterized NFI Kit Distribution

Note: If required to adjust the kit or reduce the number of items due to limited funding, the cluster recommends focusing on NFI that provides protection from the cold:

Mattresses, Thermal Blankets, Carpets, Tarpaulin/Plastic Sheet (Shelter Item).

These adjusted/reduced number of items will not be reported as a kit, but as is standard in the cluster’s monthly reporting individually per column.

Winter Clothing Kit Distribution

Scope

Increasing thermal comfort of HHs through individual clothing kits during winter months is considered a lifesaving activity and as such a priority of the Cluster. The preferred distribution modality, whenever possible, is to deliver multi-purpose cash and/or vouchers.

During the summer months, it is assumed that IDPs take basic clothes with them even during an emergency evacuation/ displacement, for this reason basic clothes distribution is not considered to be a priority in an emergency response. Whenever possible, distributions should be based on needs and target the most vulnerable HHs. Blank distributions should be avoided except for IDP settlements and camps.

Including host communities with the proportion of the winterization support is recommended based on needs and the vulnerability criteria. When there is limited capacity and high need, targeting only children, pregnant women, elderly people, and people with disabilities or illnesses are recommended as priority.

Winter Clothing Kit Content

The items identified, which serve as a minimum to guarantee the survival of beneficiaries in winter are: Winter jackets, boots, socks, hats, gloves, scarves, jumpers, trousers and long sleeve underwear (packaged in individual clothing kits according to size). The clothes’ basket will cover the needs of one HH, composed of five people, and will comprise of up to five individual clothing kits according to the required sizes.

MODULE 6 - WINTER CLOTHING (Children and Adults)

Total Price

Clothing kit Adult = \$33

Clothing kit children = \$ 28

Total Weight Approx.

Clothing kit Adult / children = 2.5 Kg

Jackets

- **1 item/piece**
- **Size for Adults:** S/M/L/XL
- **Size for Children:** 2-16 years (S/M/L)
- Outer fabric should be 100% polyester, waterproof and minimum 65g/m2 and can resist 10,000 mm. column of water. (Gore-Tex, DWR) (Hydro Static Head Test) Inner (insulation) material should be 100% polyester with minimum 100g/m2 fiber. Inner lining is %100 polyester; minimum 300 gr/m2 curly plush material or polar fiber. Hood should be stitched, and material should the same as the jacket.
- Full-zip hooded jacket has minimal interior storm flap and single-pull adjustable. Jacket zip should be high quality with metal cap or handle sleeves edge should be elastic bond at 7 - 10cm to prevent air flow. Jacket should have two outer pockets and one inner pocket. No dropped stitched in outer and inner side of the jacket. Dark colors are preferred. Recycled materials are not accepted. Comply with TSE or ISO standards.
- **Packaging:** Individual packing with waterproof and durable plastic bags.

Boots

- **1 set/pair**
- **Size for Adults:** 36-44
- Size for Children: 2-16 years
- **Waterproof** faux leather or rubber compliance with TS EN 13073. Waterproof, breathable inner liner in compliance with ISO 22649:2016. Non-slip sole with lugs. Both pairs should be identical in sizes and in compliance with TSE 5553 standards in sizes. Appropriate for foot health (anticarcinogenic and anti-allergic materials). Inner sole should be covered with plush material to keep feet warm. Plush fabric should be minimum 200g/m2. Above the ankles and with laces. Dark Colors are preferred. Comply with TSE or ISO standards.
- **Packaging:** Durable package for each pair.

Winter Clothing Kit Distribution

Trousers/Sweatpants	Jumper/Sweatshirt	2-Pices Thermal Underwear	Socks
<ul style="list-style-type: none">• 1 item/piece• Size for Adults: S/M/L/XL• Size for Children: 2-16 (S/M/L)• Main fabric: 100% cotton or mixed durable fabric (65% cotton and 35% polyester). Comfortable molded and well stitched. Two pockets on each side and one pocket at the back. Elastic waistband for children’s sizes. Leg cuff should be sewed, no dropped stitch. Fabric material shouldn’t be recycled and should be washed. No frayed threads and broken stitches. Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof and durable plastic bags. Sweatpants:• Main fabric: 100% cotton or 65% cotton and 35% polyester. Waistband should be elastic. Fabric material shouldn’t be recycled and should be washed. No frayed threads and broken stitches. Comply with TSE or ISO standards.	<ul style="list-style-type: none">• 1 item/piece• Size for Adults: S/M/L/XL• Size for Children: 2-16 (S/M/L)• Main fabric: 100% cotton or mixed durable fabric (65% cotton and 35% polyester). Weight: 250 gr/m2. Crew neck and long sleeve. Sleeves and neck edges should be elastic bond. Fabric material shouldn’t be recycled and should be washed. No frayed threads and broken stitches. Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof and durable plastic bags.	<ul style="list-style-type: none">• 1 set (1 undershirt and 1 pant)• Size for Adults: S/M/L/XL• Size for Children: 2- 16 (S/M/L)• Main fabric: 100% polyester. Long sleeves and fitted sleeve edges. Fitted trouser bottoms. Brushed fabric for added warmth. Lightly breathable base layer, light perspiration wicking. Stretch component for added comfort and freedom of movement. Knitted with very soft thread for extra comfort and softness. Elastic waistband. Fabric material shouldn’t be recycled and should be washed. No frayed threads and broken stitches. Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof a	<ul style="list-style-type: none">• 3 set/pair• Size for Adults: 35-38 / 38-42 / 42-46• Size for Children: 2-16 years• Material: 100% acrylic or 70% cotton, 29% polyamide and 1% elastane. Type: Winter. Color: Solid colors. No white or light colors. 100% knitted. Plush loop inner for a feeling of softness. Reinforced seams cuffed elastic sleeves. Fabric material shouldn’t be recycled and should be washed. Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof and durable plastic bags.
Scarf	Hats	Gloves	Packing
<ul style="list-style-type: none">• 1 item/piece• Size for Adults: Length: min. 160cm Width: min. 15 cm• Size for Children: Length: min. 130cm Width: min. 15 cm• Composition 100% acrylic Type: Winter Unisex 100% knitted• Color: Solid colors. No white or light colors.• Fabric material shouldn’t be recycled and should be washed.• Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof and durable plastic bag.	<ul style="list-style-type: none">• 1 item/piece• Size for Adults: S/M/L/XL• Size for Children: 2-16 (S/M/L)• Unisex Composition: 100% acrylic double folded warm and lined component to cover the ears and perfectly insulate the head.• Color: Solid colors. No white or light colors.• Fabric material shouldn’t be recycled and should be washed. Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof and durable plastic bags.	<ul style="list-style-type: none">• 1 set/pair• Size for Adults: S/M/L/XL• Size for Children: (S/M/L)• Water and wind resistant.• Average Composition: Top of the hand, 150g high loft wadding. Underside of the hand, 200g Brushed lining. No frayed threads and broken stitches Different colors are accepted.• Fabric material shouldn’t be recycled and should be washed. Comply with TSE or ISO standards.• Packaging: Individual packing with waterproof and durable plastic bags.	<ul style="list-style-type: none">• Each kit of the above 9 components (one item in each kit) should be packed in a single durable and heavy-duty sack.• Each kit/sack should be stitched Content of the kits should be printed visibly outside the sack clearly stating the list of items, sizes and quantity in English and Arabic. Inscription of “Humanitarian Aid – Not for Sale” and Beneficiary Feedback hotlines should be printed to each side of the sack, below the list of items/content table For delivery and warehousing purposes, a set of 10 kits/sack shall be packed in the durable sack.

Winter Clothing Kit Distribution

Modality

The distribution modality, whenever possible, should allow for as much choice as possible, with the use of the restricted cash and/or voucher modality as the preferred method. This is to avoid challenges identified in the past, such as: quality, items not adapted culturally, incorrect sizes, issues with colors and patterns, etc. As for all cash-based interventions, a market assessment will be necessary to decide if markets are working and a cash response is possible. It would be beneficial to ask beneficiaries for their preferred modality of distribution too.

Pricing

A price monitoring exercise will be necessary to identify the monetary value of the winter clothing kits' items. This value could be added to the normal SMEB voucher to cover costs to purchase winter clothing items in the winter months. The price monitoring assessment shall be undertaken in September, October, November and December.

Assessments

In line with the Sphere Standards “All women, girls, men and boys have at least two full sets of clothing in the correct size that are appropriate to the culture, season and climate” it was decided to advocate to include this question in needs assessments: Q. How many sets of clothes does each member of your family have? With 2 sets per family member being the minimum acceptable.

Annex 1 - Pistachio and Hazelnut Endocarp/Shell

Pistachio endocarp/shell:

There two types based on the quality, **First class:** The shell is open in the middle into two parts only, and each part of the shell is not damaged. **Second class:** The shell is damaged to different parts and there are impurities.



Figure 1: First class Pistachio



Figure 2: Second class Pistachio

Hazelnut endocarp/shell:

There two types based on the quality, **First class:** The shell is open in the middle into two parts only, and each part of the shell is not damaged. **Second class:** The shell is damaged to different parts and there are impurities



Figure 1: First class Hazelnut



Figure 2: Second class Hazelnut

Annex 1 - Pistachio and Hazelnut Endocarp/Shell

Endocarp/shell stove kit:

- 1 x stove bod “Stoves suitable for burning Endocarp/shell”.
- 5 x exhaust pipes.
- 1 x Heat Shielding Floor Tray.
- 1 x Exhaust pipe elbow
- **Length** (height): 60-80cm (from top to bottom)
- **For second part:** Width 30-40cm (from right to left).
- **For first pat:** Diameter: between 25 to 30 cm
- **Weight** for the two parts is between 25 to 35 kg
- **Diameter** 40-50 (from the front door to the back)

A. Stove Body Minimum Specification:

- **First part:** Normal fuel stove modified from the right or left side, by having open part linked with second part with spiral part. There is strainer at the bottom side inside the stove for cleaning purpose. With two doors (one from the upper side to control the burning and maintenance, the bottom door for cleaning which is modified on the fuel stove with special tray inside for cleaning purpose. It's preferred that the inside of the stove is lined with firebricks.
- **Second part:** Storage part for the endocarp/shell, provided with small motor works on a timer to automatically push the endocarp to the first part through the spiral part on requested time. The timer can be controlled by human to set the appropriate time for moving the endocarp based on preference (cold condition). Have big open door to the upper side to fill the storage part (trapezoidal shape tank downward).

B. Exhaust pipe Specifications:

- Quantity per kit: 5.
- Length between 50 to 70 cm .
- Diameter between 10 to 13 cm .
- Weight between 700 to 800 grams .
- Coated with a private material to prevent peeling.

C. Exhaust Elbow pipe Specifications

- Quantity per kit: 2 or 3.
- Length between 25 to 40 cm.
- Diameter between 10 to 13 cm.
- 90-degree elbow.
- Weight 400 to 500 gram.

Annex 1 - Pistachio and Hazelnut Endocarp/Shell



Stove body first part and
second part



Timer



The second part with the
open door



The Strainer at the bottom side
inside the stove



Small motor on the second
part



Guidance Note on Winterization for Northwest Syria



NW SYRIA X-BORDER
SHELTER/NFI CLUSTER
Coordinating Humanitarian Shelter and Settlements

SNFI Cluster - NWS XB hub;
Lead Agency: UNHCR
Co-Lead Agency: CARE
Updated : September 2024
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