



## Meeting notes

### **TWIG** **Shelter Cluster Technical Working Group Meeting, Katmandu** **26 April 2015**

Attendance: IOM, IFRC, Practical Action, Coord, Handicap International, OM Nepal, Concern worldwide, Medair, CRS, Christian Aid, Islamic Relief, Shelterbox, U.M.N, UNHCR, LWR, Samaritans Purse, Casa/UMN, DCA/NLA, DRC, Plan Nepal, IOE, Save the Children, SEEDs

*Overview: The purpose of this meeting is to progress on technical issues related to the shelter response in Nepal. This meeting focussed on shelter kit contents and messaging required from the shelter cluster.*

#### **Shelter kits**

**Agreement: Two humanitarian grade tarpaulins per household.**

It was agreed that the objective should be to provide each household with one tarpaulin. The group suggested that given current pressure at distribution sites one tarpaulin per household would be acceptable as an emergency measure.

**Agreement: Sheets should provide minimum 20m<sup>2</sup> coverage-** this corresponds to a 4mx5m tarpaulin. Other sizes commonly used are 4mx6m and 12' x 18'.

*Note: this decision should be referred to the strategic advisory group for agreement*

**Prioritisation: Agreement was reached on current prioritisation of shelter materials. Lists of basic materials are listed below.**

#### **Public messaging**

**Agreement:**

**Agreement: Common messaging would be drafted and shared for review by the cluster technical and communications cluster.** Messaging would be on the following issues

- Fixing tarpaulins – how to best fix them and maximise tarpaulin lifetime
- Preparing for the rains –how to prepare shelters and sites for the monsoon rains
- Making locations safe – including: avoiding locations prone to landslides and flooding, distance from damaged buildings, safe demolition.

*Note during the meeting there was some discussion on developin messaging on not breaking up asbestos. Subsequent to the meeting it was highlighted that asbestos is relatively rare in affected areas and such messaging could cause confusion.*



## Kit contents

The following kits, are based on the contingency plan and contents were agreed, subject to prioritization:

### Household Kit

Per family based on a family size of an average size up to 6 persons:

Priority	Item	Quantity	Unit
<b>TOP PRIORITY</b>	Tarpaulin	2*	Piece
<b>HIGH PRIORITY</b>	Nylon Rope for distribution with tarpaulin	20	Metres
<b>HIGH PRIORITY</b>	Blanket	2	Piece
<b>OTHER ITEMS</b>	Kitchen Utensils	1	Set
<b>OTHER ITEMS</b>	Clothes**		
		Male Dhoti or Lungi*	1
	Jean Cloth	5	Piece
	Print Cloth	7	Meters
	Plain Cloth	6	Meters
	Female Sari	1	Meters
<b>OTHER ITEMS</b>	Solar lamp	1	Piece

\*Note 2 tarpaulins per family is noted as desirable, however, pressure of operations and need for coverage may push this to 1 per household as emergency measure.

\*\* Note meeting clothing needs through cash vouchers is also acceptable where viable. Alternatively recipients should be given choice over items wherever possible.

\*\*\* insulation materials for flooring and roof were also discussed. Specifications to be confirmed.

\*\*\*\*plastic sheeting was also discussed for partitions.

### Note on plastic sheet specification:

International humanitarian standard grade is summarised below

<p><b>Weight:</b> 190g/m<sup>2</sup> ± 20g under ISO 3801, equivalent to 170g/m<sup>2</sup> minimum to 210g/m<sup>2</sup> (add 10% additional weight for the reinforcement bands).</p> <p><b>Core material:</b> woven fabric High-Density Polyethylene (HDPE) laminated between two layers of Low-Density Polyethylene (LDPE).</p> <p><b>Lifetime</b> of approximately 2 years if of suitable quality.</p> <p><b>Reinforcement:</b> 2 options: eyelets or reinforcement bands:</p>	<p>For uses of Plastic Sheeting see: <a href="http://www.plastic-sheeting.org">www.plastic-sheeting.org</a></p> <p>For examples of full specifications and testing sampling methods, see: IFRC/ICRC <a href="#">Emergency Items Catalogue</a></p>
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### In Nepal, the following is commonly purchased:

This is deemed as acceptable but may have a shorter lifetime than international standard grade.

Woven high-density polyethylene (HDPE) black fibers fabric laminated on both sides with low-density polyethylene (LDPE) coating; Size (12'x18') m; Weight: 5 kg; No welding is allowed in the middle of the sheet; Number of eyelets 18; Colour blue, green or yellow.



**Tool kit – Suggested one per 5 families, shared between fewer households in dispersed settlements**

<b>B</b>		<b>Toolkit</b>		
<b>Priority item</b>	Shovel	Pressed carbon steel, hardened and tempered; Size: (295x225) mm, hole diameter: front side 36mm, back side 40 mm; Weight : 1000 gram without handle; Handel : Length 1070 mm, Smooth polished, varnished surfaces with Dry, strong and flexible wood.	pc	1.0
<b>Priority item</b>	Pick	Pressed carbon steel, hardened and tempered; Handel: Length 1000 mm, Smooth polished, varnished surfaces with Dry, strong and flexible wood.	pc	1.0
<b>Priority item</b>	Hand Saw	Carpenter hand saw, 400-450mm blade, lacquered, overall length 550mm±50mm; Blade thickness : 1 mm, protected against oxidation; Protective cardboard, teeth protection with hard plastic cover; 7 teeth per inch; Wooden dismountable handle, polished varnish hardwood	pc	1.0
<b>Priority item</b>	Claw hammer	Carpenter hammer, head and handle, hammer head with flat and claw side: High carbon steel head, treated to achieve a martensitic structure, with dressed striking faces; Weight of head: 750 gram; Handel: Smooth polished, varnished surfaces with Dry, strong and flexible wood.	pc	1.0
<b>Optional item</b>	Combination pliers	Heavy duty Hot-forged carbon steel, side cutting pliers known as linemen pliers or side cutter; protected against corrosion with special paint; having gripping jaws, a cutting edge and insulating handle; Size 200 mm;	pc	1.0
<b>Optional item</b>	Machete / knife	Curved blade, 405 mm (16 inch), lacquered against oxidation, overall length 55 cm; Black smith made and locally available ;	pc	1.0
<b>Optional item</b>	Gall (Crow bar)	Iron; Circular shape, smooth and sharp in one end for digging; Size : Dia 25 mm, Length 1000 mm; Weight: 4 kg	pc	1.0
<b>Optional item</b>	Woven sack	New, woven polypropylene; Size : 1300x400mm; Colour : White;	pc	1.0
<b>Optional item</b>	Bucket for works			
<b>Optional item</b>	sledgehammers			
<b>Optional item</b>	Safety kit :	gloves, dust masks		

**Bamboo and fixings kit – accompanied with tarpaulin**

<b>Sn</b>	<b>Items</b>	<b>Specification</b>	<b>Unit</b>	<b>Quantity</b>
<b>A construction materials</b>				
3	Nylon rope	8mm dia; Polypropylene recycled fibers UV stabilized; minimum 3 strands; color black/blue; Packed in roll	kg	1.5
4	Tie wire	Low carbon steel, galvanized binding wire; 16 gauge; Commercial type medium coated, Packed in roll;	kg	1.5
5	Nails for roof	Iron nails, made of polished low carbon steel, cold processed, not heat treated except for galvanization; Spiral rolled or twisted shank, sealed umbrella-type spring-head Size: 75x3.6mm, Attached rubber washer to each nail; head dia 22 mm thick; Packed in strong and thick plastic bag	kg	0.5
6	Nails for wood	Iron nails, polished low-carbon steel; cold processed, not heat treated except for galvanization; Large type-(75x3.6) mm, head dia 7.7mm and Large type-(40x2.2) mm, head dia 5.5mm; Packed in a strong and thick plastic bag	kg	0.5
7	Bamboo	Treated and at least two year matured bamboo; Size: length 7 m, Circumference: 7 inch to 9 inch; Type: Mal Bas or equivalent	pc	15.0