

Sub: Standardization of colour, pattern and specifications of relief distribution material

1. It is felt that in order to enhance the visibility and impact of relief measures undertaken by Indian Red Cross Society, IRCS needs to standardise specifications of various relief items. It is also felt that IRCS also needs to fix some colour combination for all its relief materials; be it tents, tarpaulin, carpets, mats/daris, saris, gents dhotis, buckets etc. While the colour combination will be same, the pattern may vary from product to product. But the pattern will be the same for the same item.
2. In view of the above, an exercise has been done to come out with two alternative colour combinations. One is light brown (earthy) and dark brown. The other is light grey and dark grey. We are enclosing herewith copies with both options in different patterns for different relief items at **Annexure 1** and proposed specifications are placed at **Annexure 2**. It is clarified that the colour combination will be same, which will be applicable to all relief items.
3. We will be grateful for your inputs before we finalize the colour combinations, should it be either a combination of light brown or dark brown or light grey and dark grey. Similarly, once the colour combination is decided, we would like to finalize the pattern for different relief items for which also your views are solicited.
4. We shall be grateful for your comments, kindly send your comments as per Performa attached at **Annexure 3** to “**communication@indianredcross.org**”

Annexure 3

A- Colour Combination

<u>Please tick the colour that you prefer</u>		
1.	Light Brown & Dark Brown	
2.	Light Grey & Dark Grey	

B- Pattern For Relief Items

<u>SNo.</u>	<u>Relief Items</u>	<u>Option</u> <u>(please tick the pattern that you prefer)</u>			
		<u>Pattern 1</u>	<u>Pattern 2</u>	<u>Pattern 3</u>	<u>Pattern 4</u>
1.	Vest		X	X	X
2.	T Shirt				X
3.	Mats/ Dari				X
4.	Bed sheets/ Blankets				
5.	Sarees				
6.	Gents Dhotis			X	X
7.	Tents			X	X
8.	Tarpaulin		X	X	X
9.	Caps			X	X
10.	Towels			X	X
11.	Mugs			X	X
12.	Bucket				
13.	Mosquito Net			X	X
14.	Kitchen Set				
15.	Box Packing				

VEST – PATTERN 1



VEST PATTERN 1



T – SHIRT PATTERN 1



T – SHIRT PATTERN 1



T – SHIRT PATTERN 2



T – SHIRT PATTERN 2



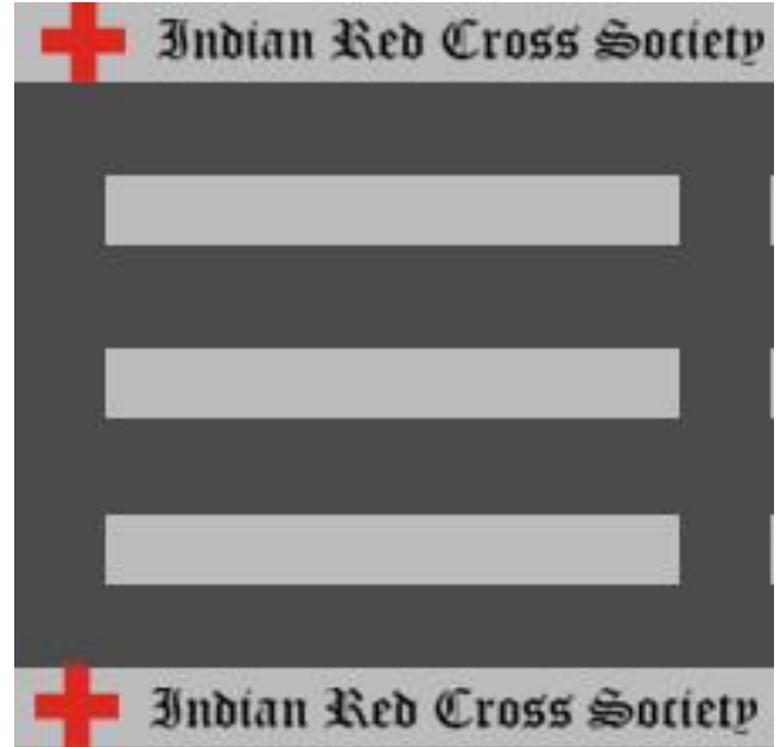
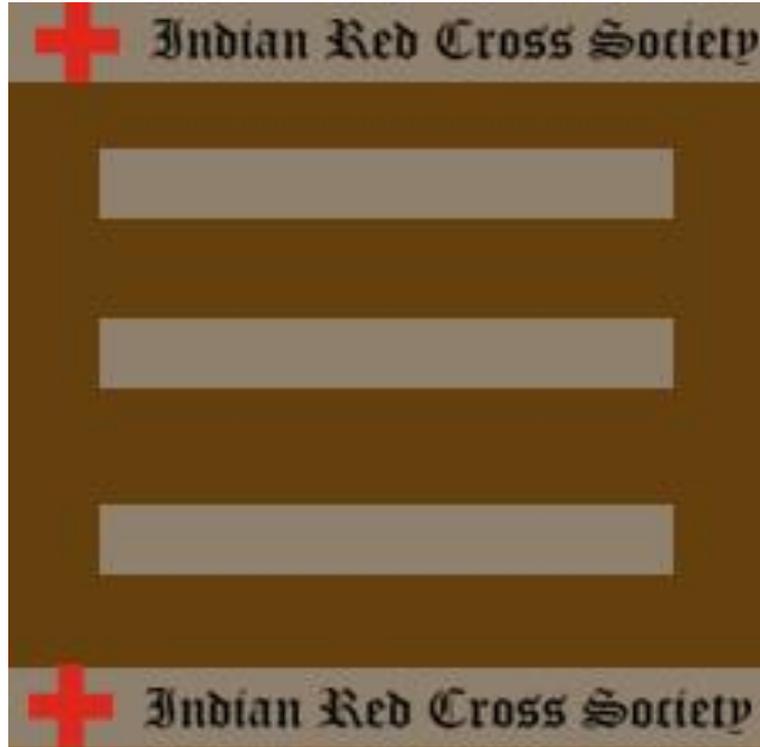
T – SHIRT PATTERN 3



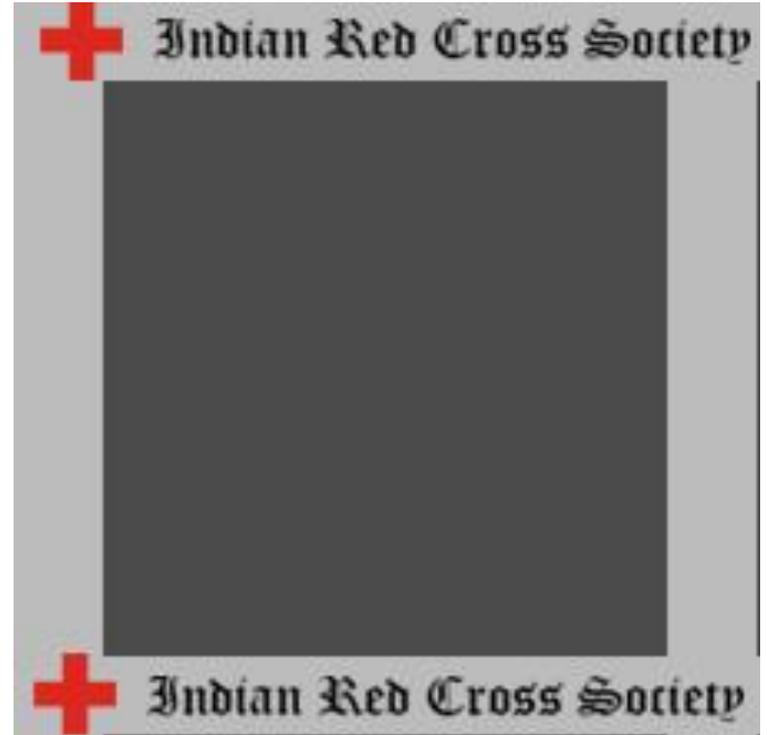
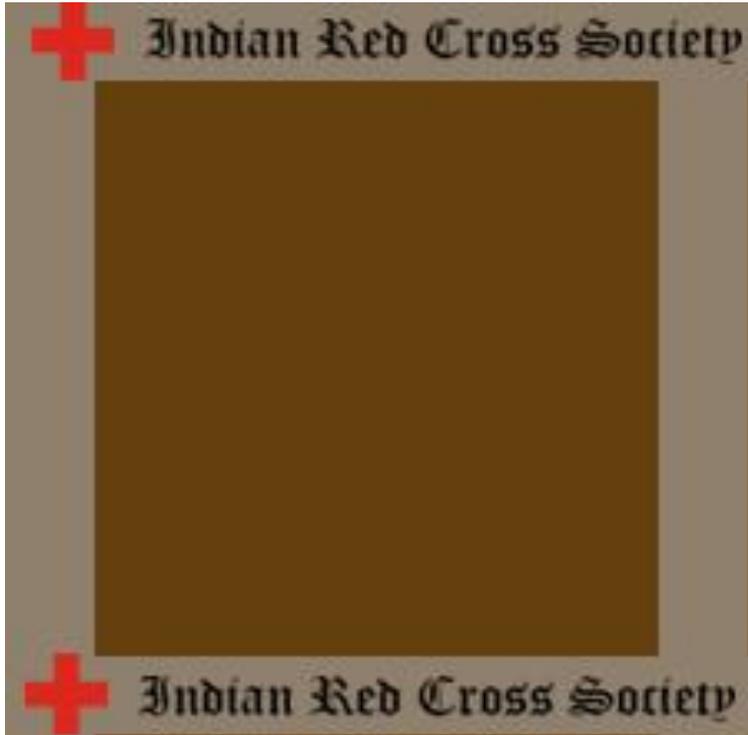
T – SHIRT PATTERN 3



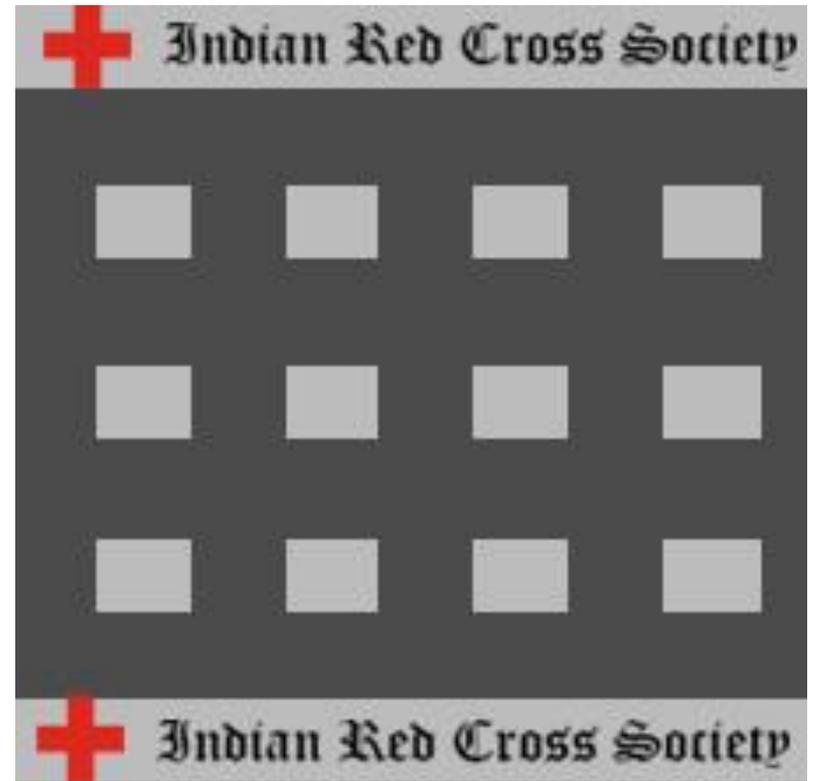
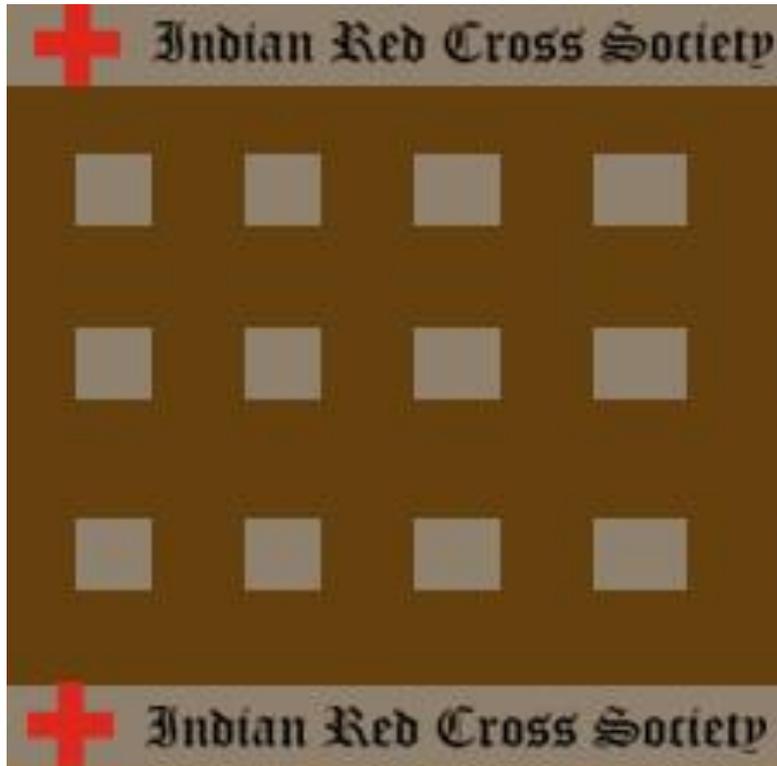
MATS/DARI PATTERN 1



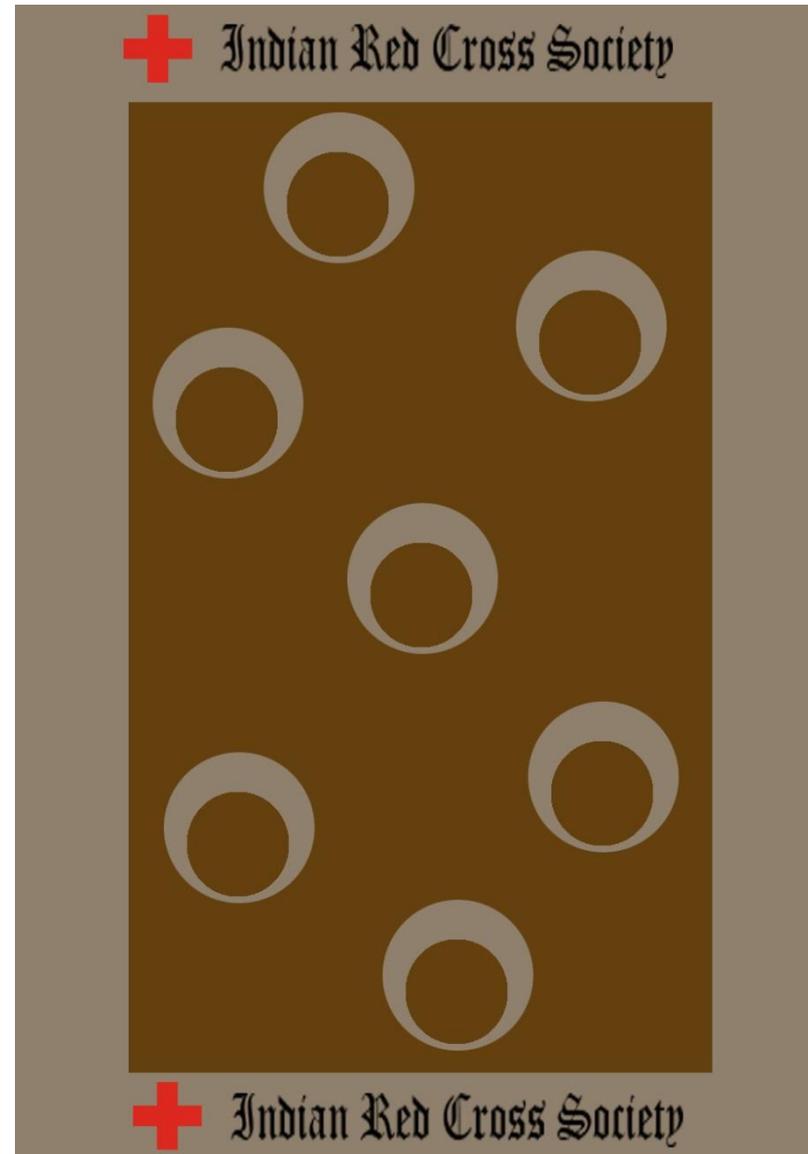
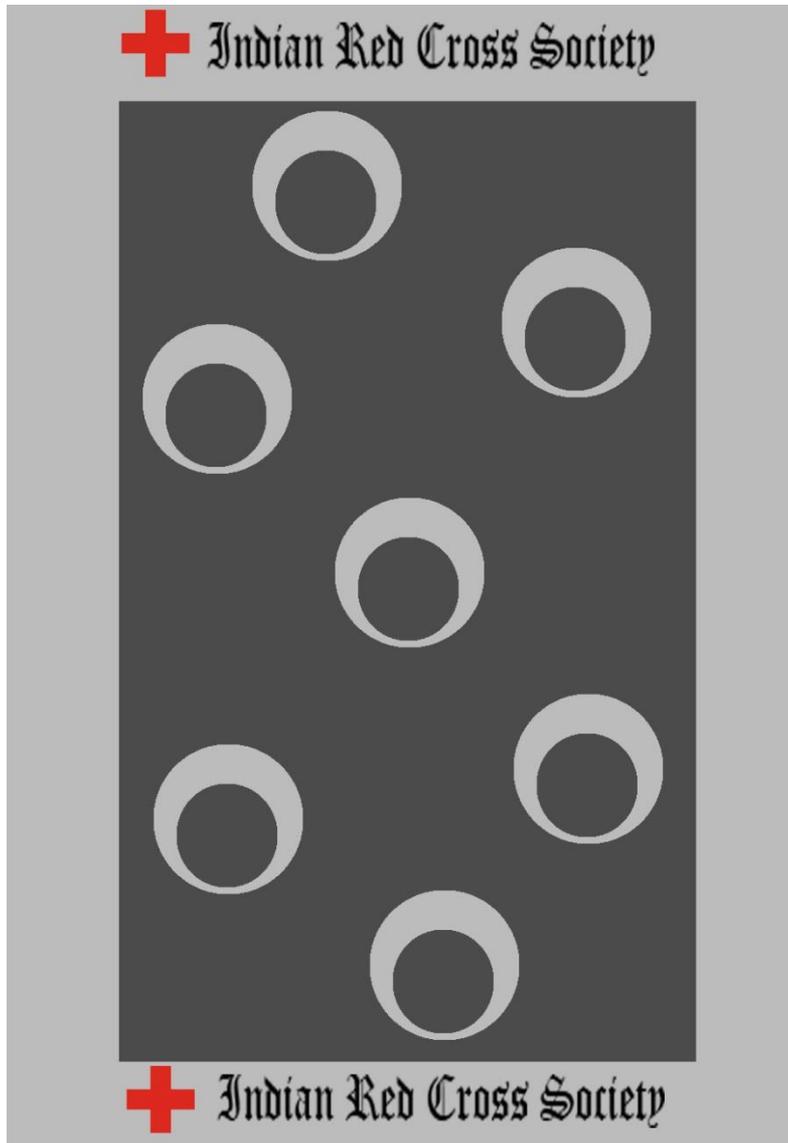
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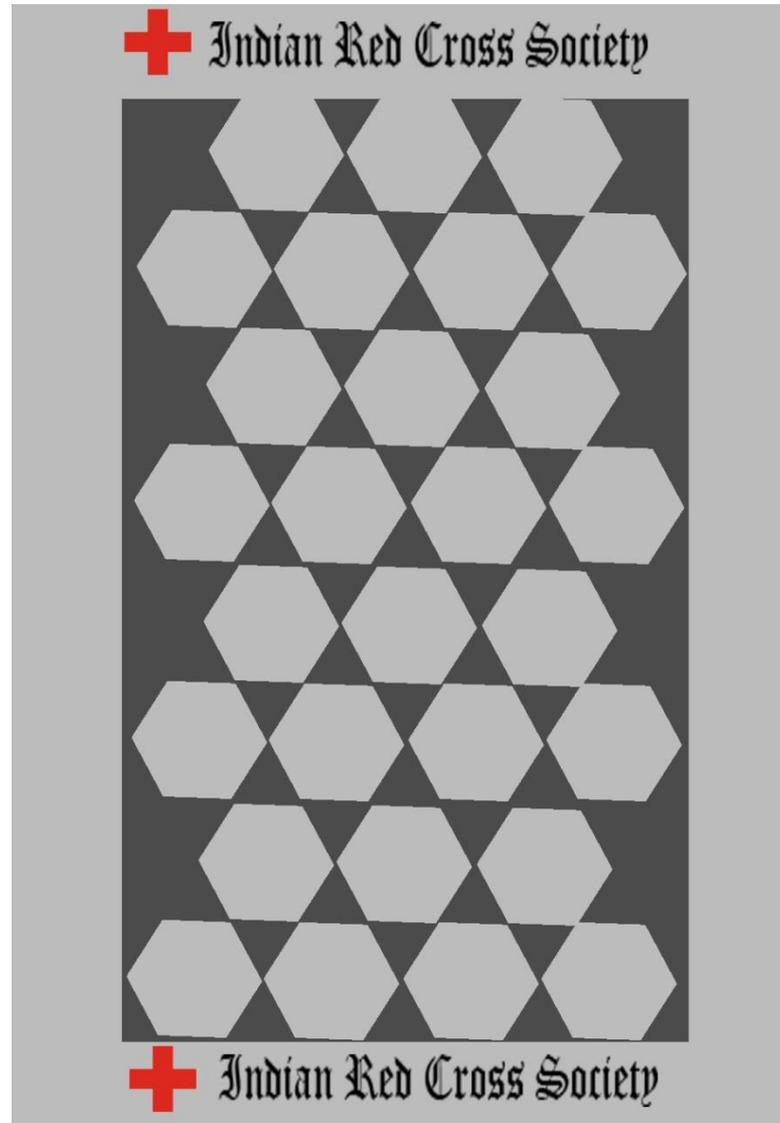
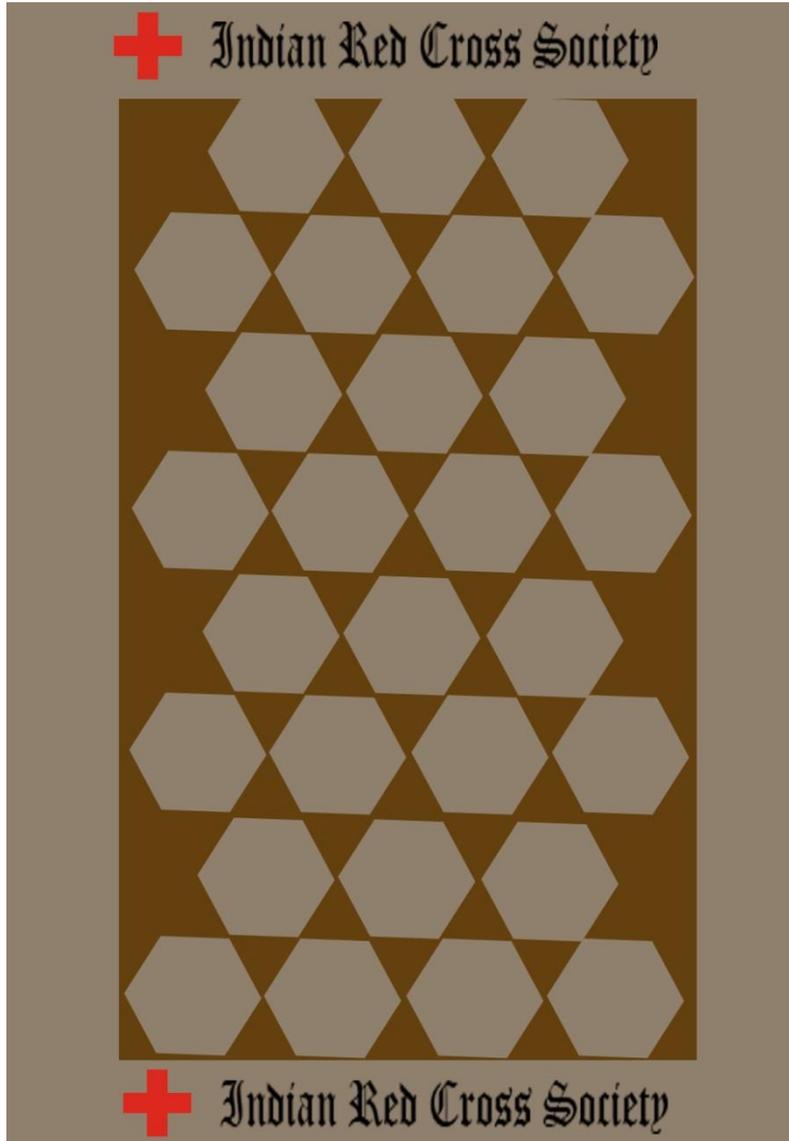
MATS/DARI PATTERN 3



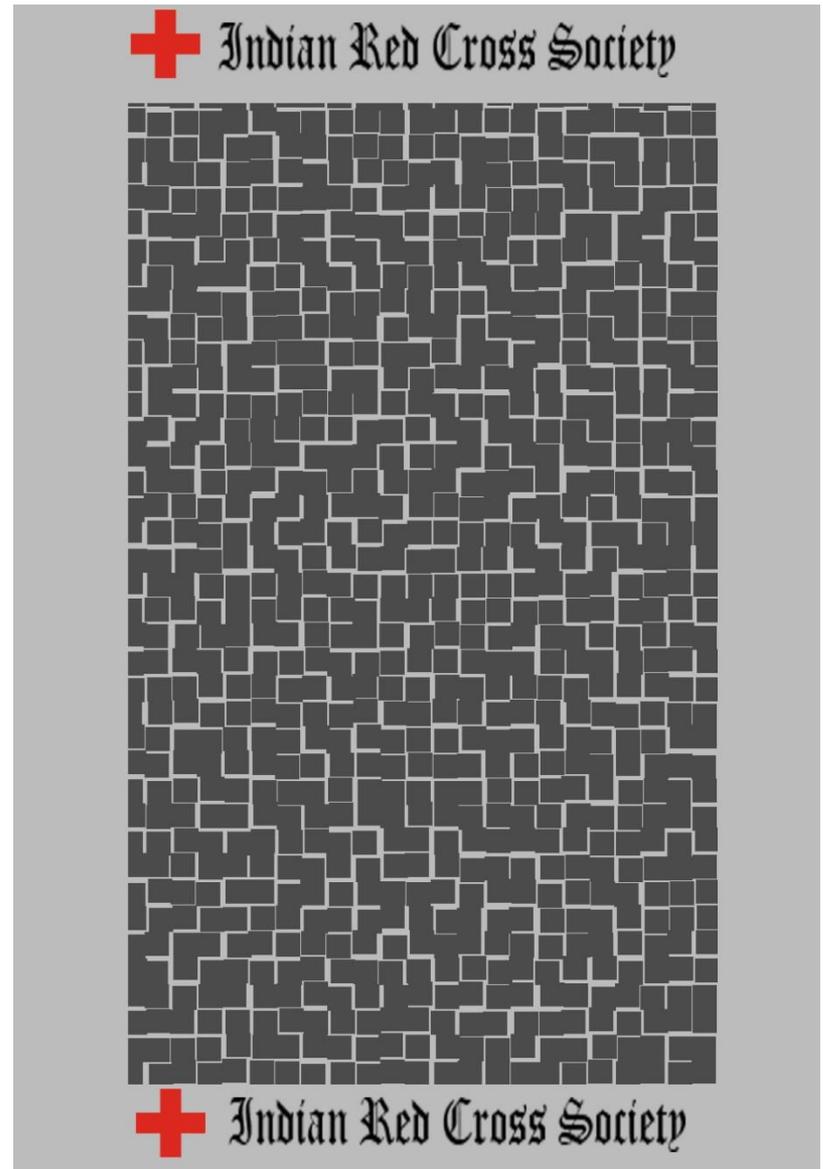
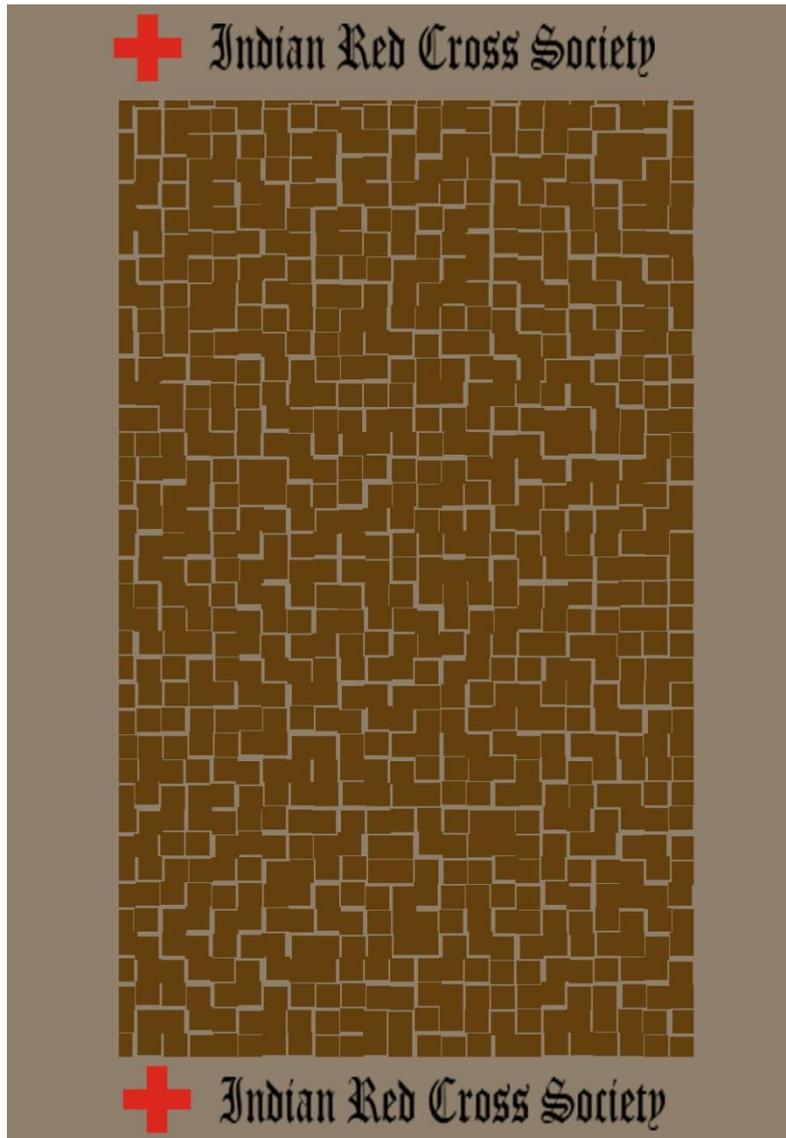
BEDSHEETS/BLANKETS PATTERN 1



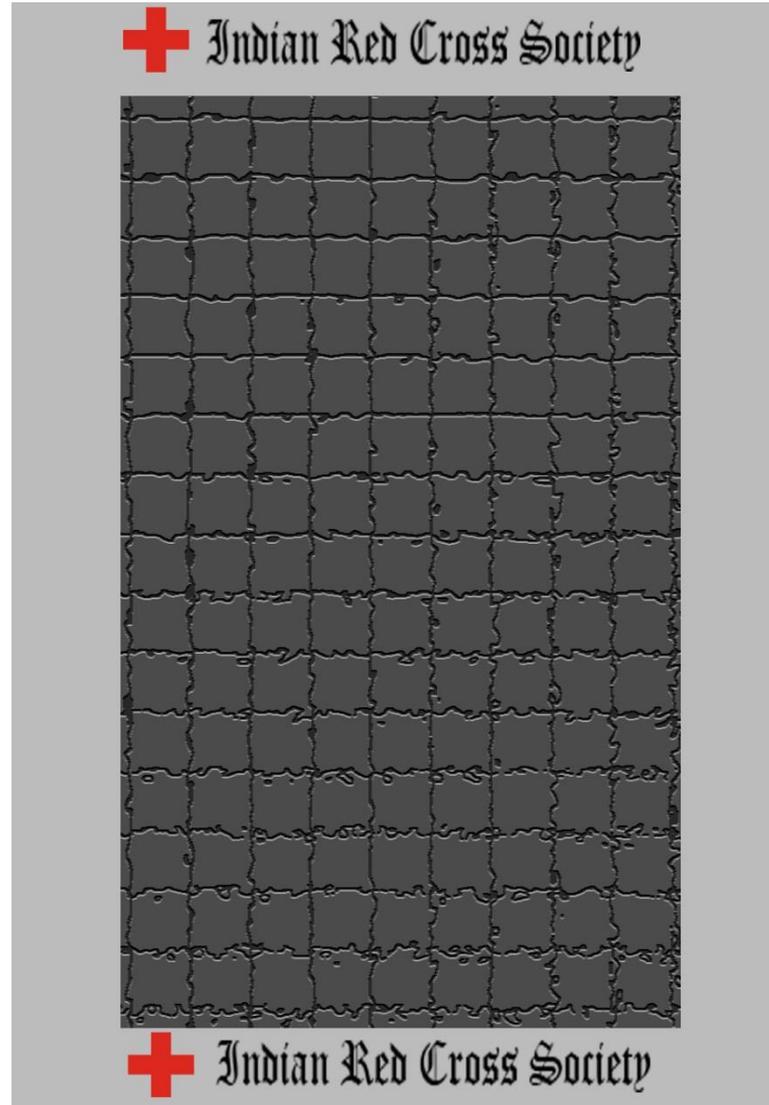
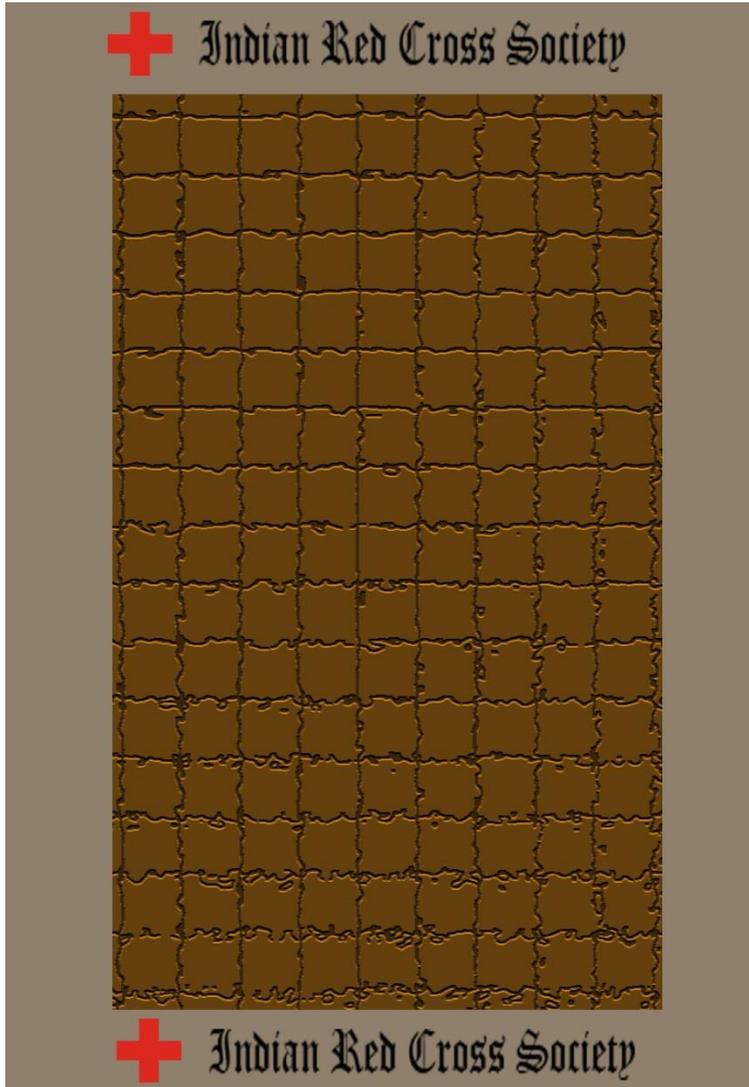
BEDSHEETS/BLANKETS PATTERN 2



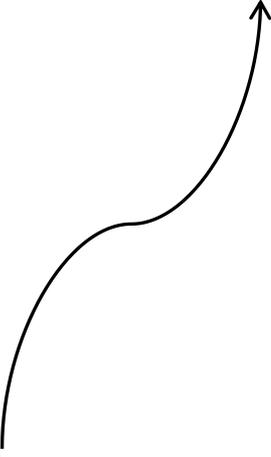
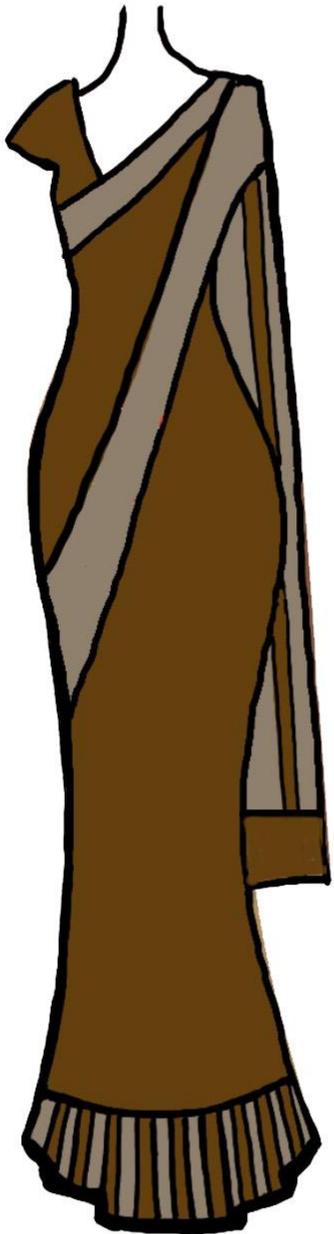
BEDSHEETS/BLANKETS PATTERN 3



BEDSHEETS/BLANKETS PATTERN 4



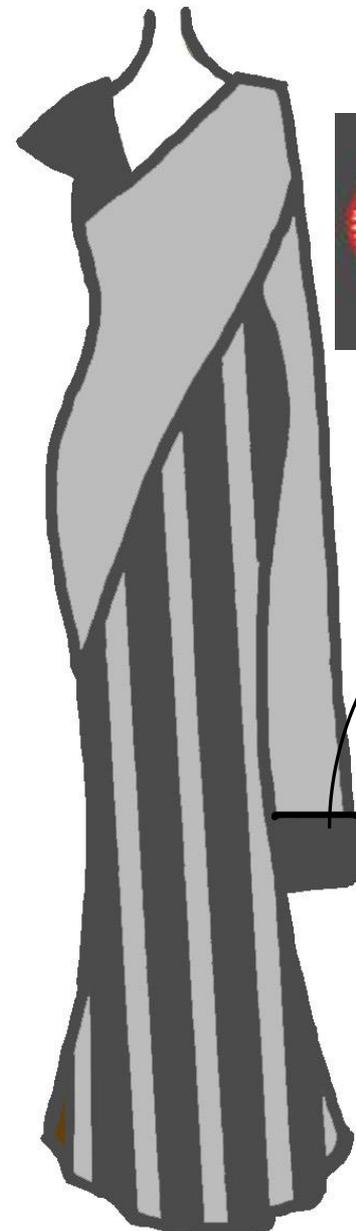
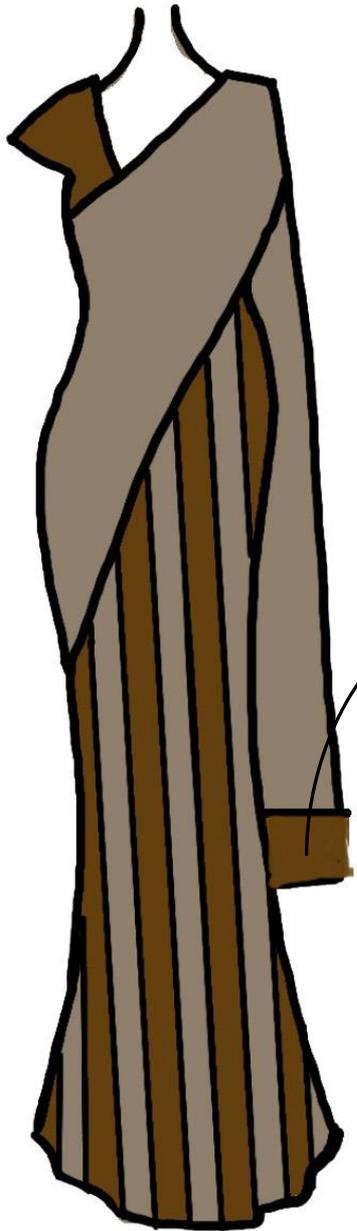
SAREES PATTERN 1



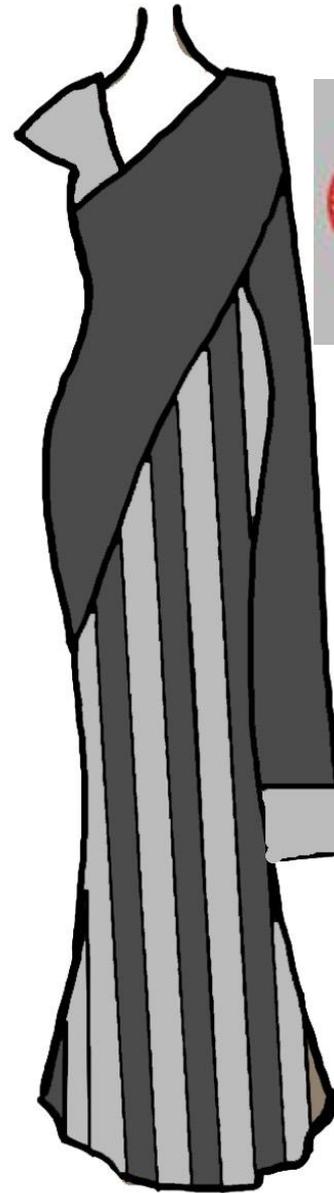
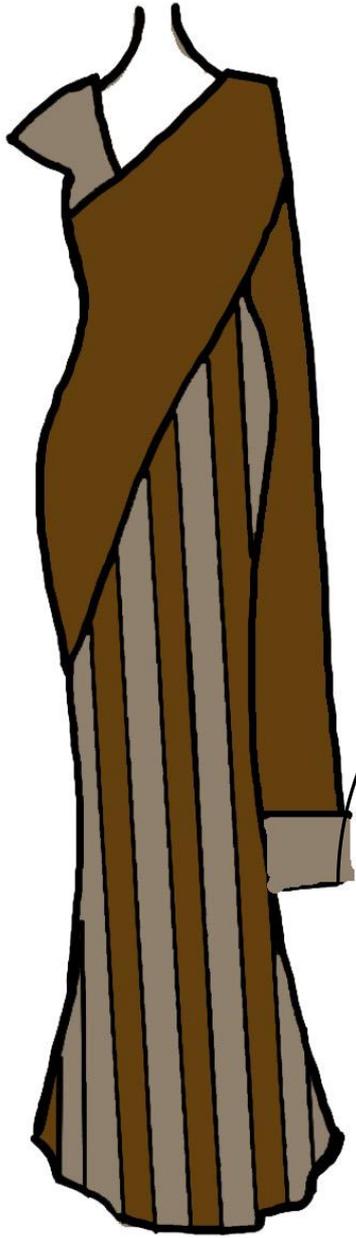
SAREES PATTERN 2



SAREES PATTERN 3



SAREES PATTERN 4



DHOTI PATTERN 1



DHOTI PATTERN 2



TENT PATTERN 1



TENT PATTERN 1



TENT PATTERN 2



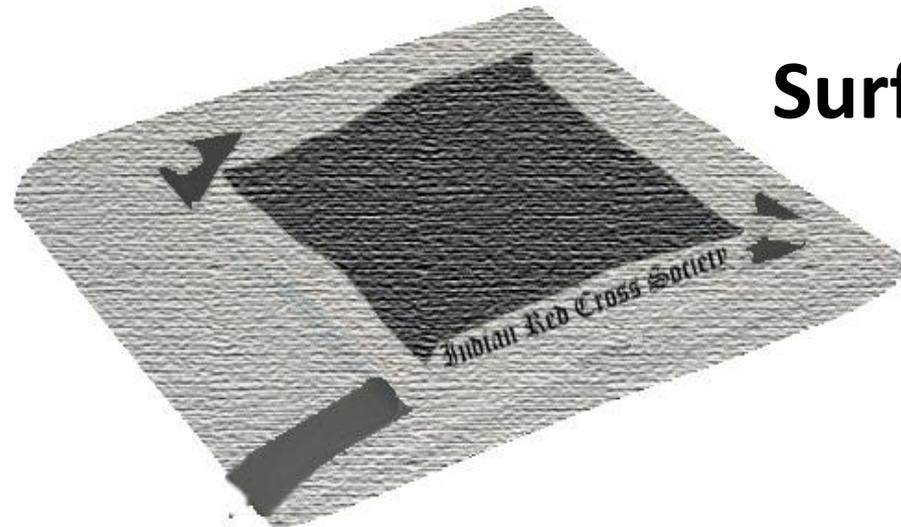
TARPAULIN PATTERN 1



Surface logos



Surface logos



CAPS PATTERN 1



CAPS PATTERN 2



TOWELS PATTERN 1



TOWELS PATTERN 2



MUGS PATTERN 1



MUGS PATTERN 2



BUCKETS PATTERN 1



BUCKETS PATTERN 2



BUCKETS PATTERN 3



BUCKETS PATTERN 4



MOSQUITO NET PATTERN 1



Double colored
net in 2 halves



MOSQUITO NET PATTERN 2



COLORS of Net



COLORS of Borders



KITCHEN SET

Etching

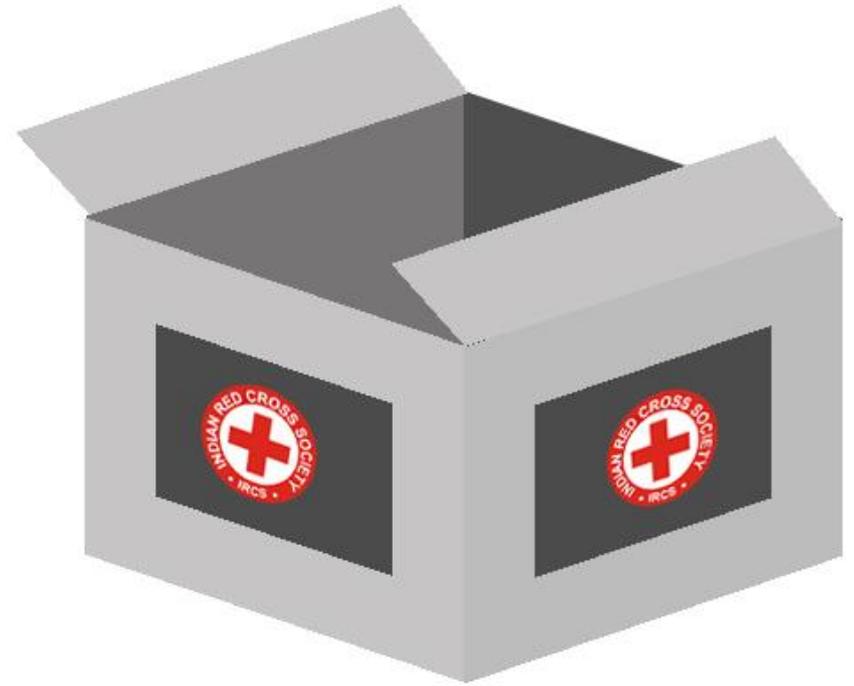
PATTERN 1 INDIAN RED CROSS SOCIETY

PATTERN 2 *INDIAN RED CROSS SOCIETY*

PATTERN 3 Indian Red Cross Society

PATTERN 4 *Indian Red Cross Society*

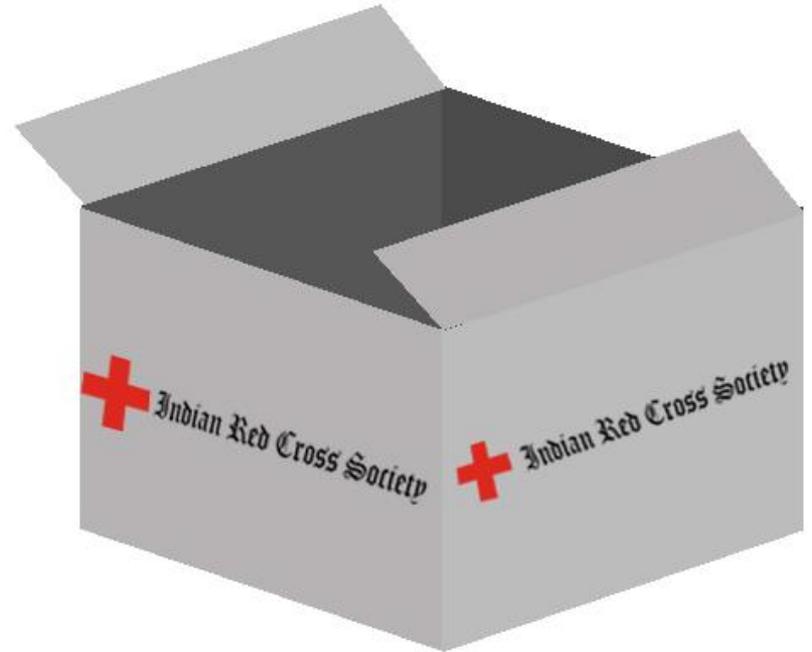
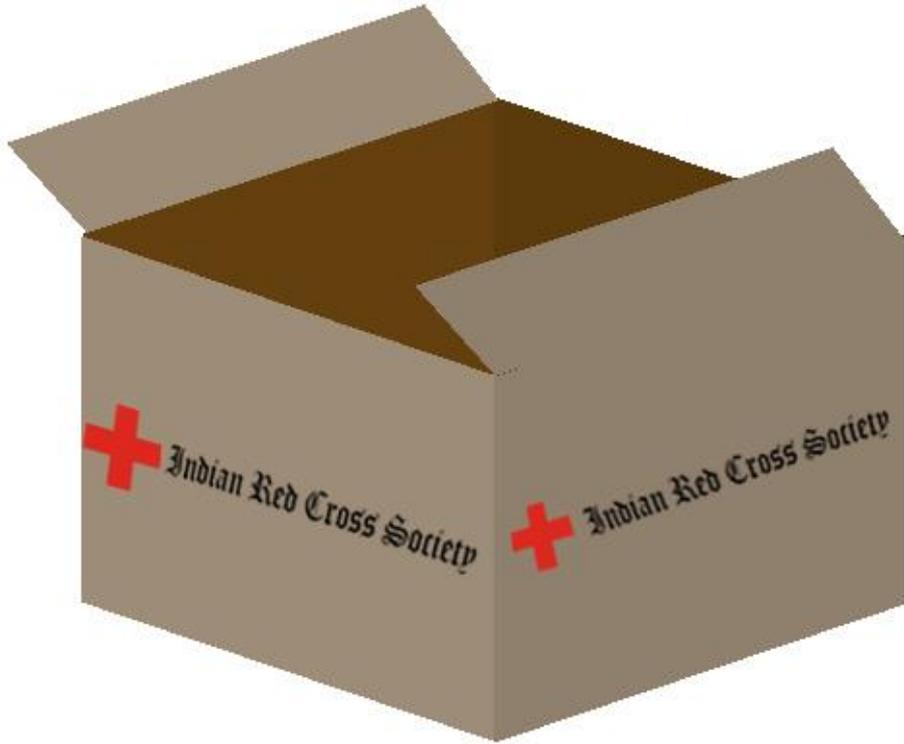
BOX PACKING PATTERN 1



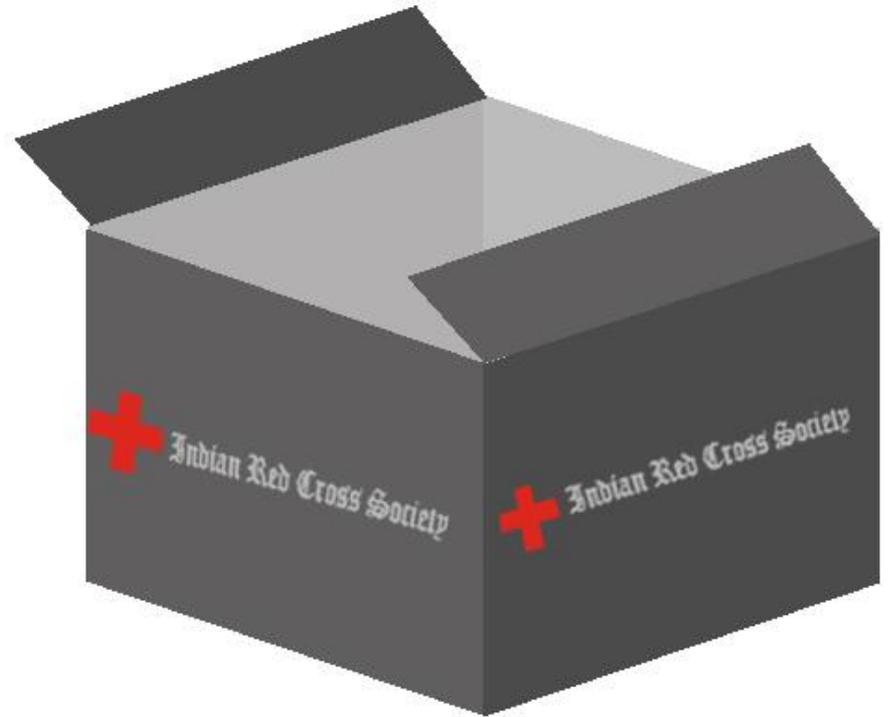
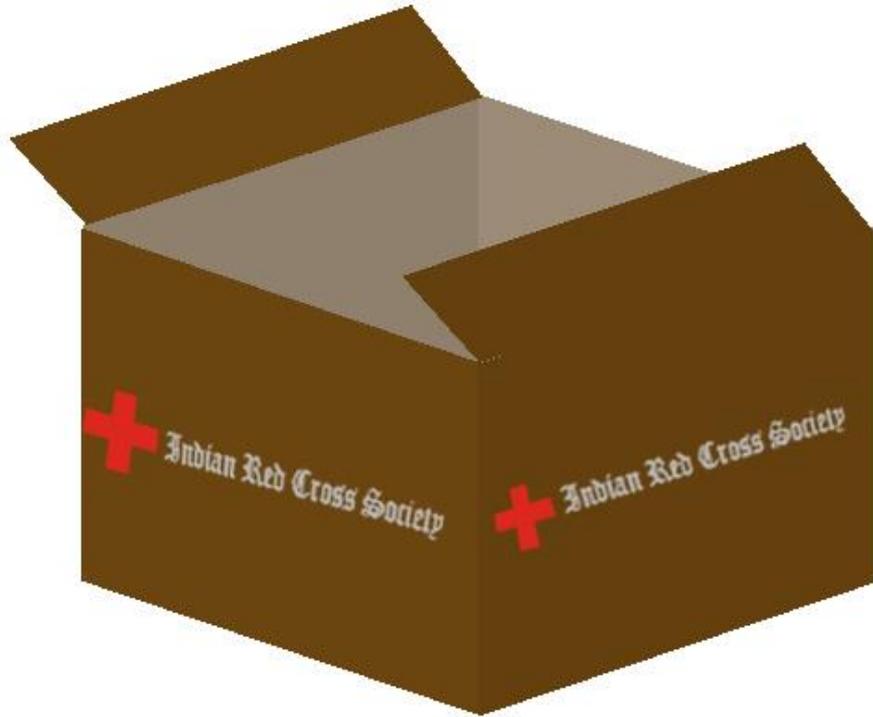
BOX PACKING PATTERN 2



BOX PACKING PATTERN 3



BOX PACKING PATTERN 4



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Mosquito Nets

S.No	Description	Requirements	method of testing
1	Length in cm	180 (+ - 5%)	
2	Width in cm	190 (+ - 5%)	
3	Overall Height(including bottom reinforcement piece) in cm	150 (+ -5%)	
4	Mass, g/mtr square	60 (+ -5%)	IS1964
5	Tenacity, mN/tex, Min	29.4	IS7703 (part 2)
6	Elongation at break, percent, Max	20	IS7703 (part 2)
7	Residual shrinkage at 150degree cel, percent , Max	2	A-3 of IS9543
8	No. of holes along base plus bias with 6.25cmsquare area:	31-36	
9	Bursting Strength,kpa, Min	450	
10	pH value of aqueous extract	6.0 - 7.5	IS1390

Tarpaulins

S.No	Description	Requirements	method of testing
1	Mass, g/m square	200 g (+ - 5 %)	IS 1964
2	Breaking Strength before UV Exposure, Min:		
	a. Warp	981 (+ - 2.5%)	
	b. Weft	750 (+ - 2.5%)	
3	Tongue Tear Strength, N, Min	120	IS 14293
4	Puncture resistance, N, Min	200	
5	Elongation at break, percent (Warp and Weft)	20 (+ -5%)	
6	Material	HDPE Woven fabric with LDPE lamination both side	IS 6899
7	Eyelets	metallic eyelets provided with reinforcement pieces confirming to dimensions as per size 28 or 30	
8	Mass	200g/m square	
9	Length	6 m	
10	Width	4 m (+ - 1%)	

Woollen Blankets

S.No	Description	Requirements	method of testing
1	Length	230 cm (+ -2%)	IS: 1954-1969
2	Width	152 cm (+ -2%)	
3	Weave	2/2 Twill	
4	Mass per meter square	700 g (+ - 5 %)	IS: 1964-1970
5	Mass per blanket	2.4 kg (+ - 5 %)	
6	Ends	80 dm (+ - 5 %)	IS: 1963-1969
7	Picks	80 dm (+ - 5 %)	
8	Breaking load Warp N (Kgf)	1080(110)	IS: 1969-1968
9	Breaking load Weft N (Kgf)	830(85)	
10	Relaxation Shrinkage, percent Max	4	IS: 665-1962

Towels			
S.No	Description	Requirements	method of testing
1	Material	Handloom cotton Honeycomb	
2	Length	125 cm	
3	width	60 cm	
4	Construction Warp	14S (42 tex)	
5	Weft	6s (98 tex)	
6	Thread count Ends	360	
7	Picks	135	IS 1963: 1981
8	Mass	290 g/m ²	IS 1964: 1970
9	Shrinkage or elongation percent max,	3	IS: 1977:1964
10	pH value	6- 8.5	IS 1390:1985

Bedsheets			
S.No	Description	Requirements	method of testing
1	Material	100% cotton	
2	Length	135 cm	
3	width	215 cm	
4	Yarn Warp	15 tex X 2 (40s/2)	
5	Weft	15 tex X 2 (40s/2)	
6	Ends	188 ends/dm	
7	Pics	188 Picks/dm	IS 1963
8	weight (gram/suare meter)	120	IS 1964

Gents Dhoti			
S.No	Description	Requirements	method of testing
1	Material	cotton	
2	Dimensions	4.5 mtr X 1.07 mtr	
3	Ends/cm	43	IS 1963:1981
4	Picks/cm	19	
5	Yarn count Warp	42 tex	
6	Weft	59 tex	
7	Breaking load Warp	1275	IS 1964: 1985
8	Weft	775	
9	Weave	3 up 1 down warp faced Twill	
10	Mass per square mtr	300	IS 1964- 1970

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S.No	Description	Requirements
	Plastic Bucket	
1	Material	100% HDPE
2	Colour	White
3	Handle	steel handle corrosion resistant
4	Lid	Yes
5	Capacity	18 ltr
6	Weight without Lid	Min 750 gms

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Ladies Saree		
S.No	Description	Requirements
1	Length	5.5 mtr
2	Width	1.18 mtr
3	Mass per meter square	67.5
4	Ends	348
5	Picks	344
6	Yarn Count Warp	62s
7	Yarn Count Weft	66s
8	Material	Mixed cotton and polyster with max 67% of polyster

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Cotton Blanket		
S.No	Description	Requirements
1	Length	240 cm
2	Width	155 cm
3	Weave	Twill
4	Mass per meter square	342 gm
5	weight per blanket	1160 gms
6	Ends	95
7	Picks	79
8	Yarn Count Warp	9s
9	yarn Count Weft	1.8s
10	Material	100% cotton

Annex II

Hygienic Parcels

Specifications for contents of hygiene parcels

No.	Item Code	Description	Quantity
1	HHYGSOAP100G	SOAP, body soap, 100g, piece	12 pcs
2	HHYGSOAP200G	SOAP, laundry soap, 200g, piece	5 pcs
3		SANITARYPADS, disposable, normal, packages of 10	40 pcs
4	HHYGPERS073	BATH TOWEL, 100% cotton, 70x30cm, assorted colours	3 pcs
5		BATH TOWEL, 100% cotton, 130x60cm, assorted colours.	2 pcs
6	HHYGT0ILPAPR	TOILET, paper, hygienic, roll	6 rolls
7	HHYGPERS0P1	TOOTH PASTE, 75ml, tube	2 pcs
8	HHYGPERS0BR	TOOTH BRUSH, medium	5 pcs
9	HHYGPERSRAZO	RAZOR, disposable	4 pcs

SOAP, body soap, 100g

Toilet soap in bar, not harmful to the skin, from vegetable or animal fat, not containing pork fat. Product must be fit for human utilisation and be of sound, fair and marketable quality, of homogeneous colour and aspect, without any disagreeable odours and flavours.

Fatty acid : minimum 70 %.

Molsture : maximum 20 % at time of packing.

NaOH content : maximum 0.3 %.

NaCl content : maximum 0.5 %.

Weight : bar of 100g each

Manufacturing date : Maximum manufacturing date of 3 months, when goods are purchased.

Expiry date : Minimum 2 years from manufacturing date printed on each wrapper and on marking label.

Packing and marking : Bars individually packed in usual product packing (wrapper) marked with Name and address of manufacturer. It should be clearly stated on wrapper "body/toilet soap". The net mass in grams.

SOAP, laundry, 200g

Laundry soap for hand washing clothes, not harmful to the skin, from vegetable or animal fat, not containing pork fat. Product must be fit for human utilisation and be of sound, fair and marketable quality, of homogeneous colour and aspect, without any disagreeable odours and flavours.

Fatty acid : minimum 55 %.

Molsture : maximum 25 % at time of packing.

NaOH content : maximum 0.3 %.

NaCl content : maximum 0.6 %.

Weight : 200g per bar

Manufacturing date : Maximum manufacturing date of 3 months, when goods are purchased.

Expiry date : Minimum 2 years from manufacturing date printed on each wrapper and on marking label.

Packing and marking : Bars individually packed in usual product packing (wrapper) and marked with Name and address of manufacturer. The net mass in grams.

SANITARY PADS , disposable, normal, packages of 10

The supplier to certify that the sanitary towel does not contain any dangerous substances, is fit for human beings and accepted by the sanitary inspection at final destination.

Length : 22-25 cm.

Width : 6-7 cm.

Pulp : 7.7 gr.

Silicones paper : 0.275 gr.

Tissue paper : 0.65 gr.

Non woven with adhesive tape : 1.025 gr.

PE film : 0.43 gr.

Total weight : 10.8 gr. +/- 5%

Packing and marking : Usual product packing of 10 pieces any should be packed in good quality polyethylene or any other water resistance material or bags having similar water resistance properties and marked as follows, name and address of manufacturer, country of origin, production date.

BATH TOWEL, 100% cotton, 70x30cm, assorted colours.

Product must be fit for human utilisation and be of sound, fair and marketable quality. Towel shall not cause any irritation of the skin. Materials should be free from lumps, oil spots, dirt or foreign material. The material shall be good quality 100% cotton fabric with sufficient porosity to meet the absorbency requirements. Loops shall be knitted. The towel shall be free from defects which affect appearance.

Type : 100 % cotton

Weight : Min. 58gm

BATH TOWEL, 100% cotton, 130x60cm, assorted colours.

Product must be fit for human utilisation and be of sound, fair and marketable quality. Towel shall not cause any irritation of the skin. Materials should be free from lumps, oil spots, dirt or foreign material. The material shall be good quality 100% cotton fabric with sufficient porosity to meet the absorbency requirements. Loops shall be knitted. The towel shall be free from defects which affect appearance.

Type : 100 % cotton

Weight : Min. 222gm

TOILET PAPER, twin ply, roll

Product must be fit for human utilisation and be of sound, fair and marketable quality.

Type : 100 % recycled paper, twin ply, clean and free from foreign matter, stains and holes.

Weight : 20 g/m² each layer, 40g/m² at total.

Size : 300 sheets/roll, with clean separation at the perforations.

Width x Length : 100mm x 135mm (each sheet) minimum.

Toilet paper should also comply with international regulations for bursting, tensile and absorption tests. Packaging : 6 rolls/packed in water resistance material or bags having similar water resistance properties.

TOOTH PASTE, 75ml, tube

Product must be fit for human utilisation and be of sound, fair and marketable quality.

Anionic + non-ionic components : Indicate as % of weight.

Abrasve materials : Indicate as % of weight.

Fluoride components : Indicate as % of weight.

Bactericide

Total micro-organisms

Irritating effect

Manufacturing date : Maximum manufacturing date of 3 months, when goods are purchased.

Expiry date : Minimum 2 years from manufacturing date.

Packaging and marking : Tube in plastic of 75ml, equivalent to 100g net weight with non-corrosive screw-cap which fit the neck externally. Each tube shall carry the following information : net mass in grams, batch number in code, information of the contents, production and expiry date. *Option of non-fluoride toothpaste is acceptable.*

TOOTH BRUSH, medium

Product must be fit for human utilisation and be of sound, fair and marketable quality.

Length : 163mm.

Hardness bristle : Medium.

Height of bristle : 11mm +/-1mm.

Colour : Various.

Packing : Individual polyethylene.

RAZOR, disposable, 4pcs

Razor, disposable with plastic handle +/- 8 cm long, razor blades from stainless steel. The steel shall contain 0.40% - 1.05% of carbon and at least 12% of chromium. Twin stainless / carbon steel blades and lubricant strip.

Packaging and marking : 4 pcs packed in sealed polyethylene or any other water resistance material.

IMPORTANT NOTE :

QUALITY SPECIFICATIONS TO BE AS PER INTERNATIONAL STANDARD.

Specifications Kitchen Sets

Material specifications

Stainless steel:

- For the tableware (plates, cups, bowls, forks, spoons and table knives):
 - ISO type 1.4016 (American grade 430), or
 - ISO type 1.4301 (American grade 304).
- For the cookware (cooking pots and pan):
 - ISO type 1.4016 (American grade 430), or
 - ISO type 1.4301 (American grade 304).
- Food grade to be certified in conformity with EU regulations n°1935/2004 on materials and articles intended to come into contact with food. Surface roughness Ra≤0.8micrometer.
- Applicable standard as per publication EN 10088-1.
- The manufacturer of the kitchen set ensures that if the raw material used radioactive content it must be below the values provided in tables 1 and 2 of the IAEA Safety Standards Series Safety Guide No RS-G-1.7 "APPLICATION OF THE CONCEPTS OF EXCLUSION, EXEMPTION AND CLEARANCE". The supplier certifies that the items manufactured were checked for radiation prior to shipment and were found free from radioactivity. A certificate will have to be issued by the supplier.

Aluminium, alternative material for cooking pots and frying pan:

- Aluminium type Al99,0 or above as per publication ISO 209-1 (minimum 99% aluminium). Other elements as per EN 602.
- Publications with applicable standards:

ISO 209-1: *Wrought aluminium and aluminium alloys – alloys - Chemical composition and forms of products - Part 1: Chemical composition.*

EN 602: *Aluminium and aluminium alloys - Wrought products - Chemical composition of semi products used for the fabrication of articles for use in contact with food.*

Design of the items:

Manufacturers and suppliers are invited to provide items with designs that improve the performance of the material, considering different types of design bends/veins on the pots, lids, bowls, plates, spoons, forks, knives and cups.

Specifications per item:

1 x COOKING POT, 7l (frying pan lid fits)

Capacity: 7 litres minimum total inner volume
 Material: stainless steel (or aluminium where specified in contract)

Diameter: min 250mm, max 280mm internal diameter
Thickness: min 0.8mm in the center of the bottom and minimum 0.6mm at 20mm from the top of the wall (aluminium min 1.75mm)
Handles: 2 stainless steel handles, attached with leakage-proof rivets, or welded, bent upward to allow a hanging bar to pass through (aluminium handles for aluminium pots)
Handles to resist to 20kg load in the normal usage position
Lid: refer to frying pan
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

1 x FRYING PAN, 2.5l, used as lid for the 7L cooking pot

Capacity: 2.5 litres minimum total inner volume
Material: stainless steel (or aluminium if specified in contract)
Diameter: Adapted as a lid for the 7 litre cooking pot.
Handle: 1 detachable stainless steel or aluminium handle 190mm +/-10mm
Handle to resist to 10kg vertical load measured at 15cm distance from the inside of the pan
Thickness: min 0.8mm in the center of the bottom (aluminium min 1.75mm)
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

1 x COOKING POT, 5l, with lid

Capacity: 5 litres minimum total inner volume
Material: stainless steel (or aluminium if specified in contract)
Diameter: min 220mm max: 245mm internal diameter
Thickness: min 0.8mm in the center of the bottom and minimum 0.6mm at 20mm from the top of the wall (aluminium minimum 1.75mm)
Handles: 2 stainless steel handles, attached with strong leakage-proof rivets, or welded, bent upward to allow a hanging bar to pass through (aluminium handles acceptable for aluminium pot)
Handles to resist to 16kg load in the normal usage position
Lid: min 0.6mm (aluminium minimum 1mm) with strong durable handle/knob that resist to minimum 2kg traction
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

5 x BOWL, 1l, metallic

Capacity: 1 litres minimum
Material: stainless steel
Height: 5 to 7cm
Thickness: min 0.5mm in the center of the bottom
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

5 x PLATE, 0.75l, metallic

Capacity: 0.75 litres minimum
Material: stainless steel
Thickness: min 0.5mm in the center of the bottom
Diameter: 24 to 25cm (must be adapted to the size of the cooking pot to be packed inside)
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

5 x CUP, 0.3l, metallic

Capacity: 0.3 litres minimum
Material: stainless steel
Thickness: min 0.5mm in the bottom and 0.4mm at 20mm from the top of the wall

Handle: Securely welded. Handle to resist to 1kg pulling
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

5 x SPOON, table, 10ml, stainless steel

Capacity 10ml minimum
Material one-piece stainless steel, solid
Length 17cm minimum
Thickness min 1mm in the center of the scoop, must not bend to a weight of 2kg applied at the extremity of its scoop when clamped horizontally at its middle
Finish no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

5 x FORK table, 17cm, stainless steel

Material: one-piece stainless steel, solid
Length: 17cm minimum
Thickness: min 1.5mm at the back of the tines, must not bend to a weight of 2kg applied at the extremity of its tines when clamped horizontally at its middle
Finish: no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

5 x KNIFE, table, 17cm, stainless steel

Material: one-piece stainless steel, solid
Length: 17cm minimum
Thickness: back of the blade: 1mm minimum, measured at the middle of the blade
handle: 1.5mm minimum, measured at the middle of the handle
Finish: no sharp edges apart from the cutting edge, blunt end, food grade surface finish $Ra \leq 0.8$ micrometer

1 x KNIFE, kitchen, 15cm stainless steel blade

Material: stainless steel blade of appropriate grade, wood or plastic handle
Thickness: blade base min 1.5mm, measured at the middle of the blade
Length: Blade 15cm usable length minimum
Finish: no sharp edges apart from one cutting edge only, food grade surface finish $Ra \leq 0.8$ micrometer for the blade

1 x SPOON, wooden, stirring 30cm

Material: hardwood
Thickness: 10mm diameter min for the handle
Length: 30cm minimum
Finish: no sharp edges, smooth finish, no chips, no knots, food grade surface finish

1 x SERVING SPOON, 35ml, stainless steel

Capacity 35ml minimum
Material one-piece stainless steel, solid
Length 30cm minimum
Thickness min 1mm in the center of the scoop
Finish no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

1 x SERVING LADLE, 100ml, stainless steel

Capacity 100ml minimum
Material stainless steel
Length 30cm minimum
Thickness min 1mm in the center of the scoop
Handle Securely welded, or in one piece. Handle to resist to 1kg pulling if in two pieces.
Finish no sharp edges, food grade surface finish $Ra \leq 0.8$ micrometer

1 x SCOURING PAD

Material: stainless steel wire scouring pad, 20g minimum

4 different Serving Spoons

Packaging and Marking

Type: 1 carton box, outer dimensions 0.3 x 0.3 x 0.25m
Height dimension shall be adjusted to the parcel content.
Material: double-corrugated, 5 plies, export-quality cardboard
Strength: withstands 6m-high stacking for more than 48h, and 10 handlings. The final package should resist without any damage to a weight or a pressure of 120 kg applied on a strong rigid board on top of the box.
Seal: Long lasting 50mm tape
Name: KITCHEN SET, type ' A '
Content: Name and content list to be printed on the outside of the box
Alternative: Strong, reusable, food grade plastic box with cover

Packaging:

The primary and secondary packages must be sized in order to protect the goods, avoiding empty space inside the packages, and avoiding empty spaces between boxes on pallets, allowing palletization on pallets of 0.8m x 1.2m without exceeding the size of the pallet.

Test of the box:

The sealed box with its content must withstand the equivalent weight of a pile of the same box at the foreseen height. The equivalent weight is placed for 12h on a wood board on the box. The wood board size exceeds the box size by at least 20mm on each side. The box is placed on a standard pallet, in a corner. When the specific pile height is unknown, the standard height is 4m.
Example: a box of gross weight 12kg, foreseen pile height is 4m, height of the box is 0.25m. The box must withstand the weight of 11 identical boxes (4m divided by 0.25m, minus one box). This box will be tested with 132kg (11 x 12kg).