

TECHNICAL SPECIFICATION OF BLANKET WOOLEN

General information: -

Blankets are used to provide insulation / protection against loss of body temperature, according to the requirements imposed by climate / temperature conditions.

Technical Specification: _

S.N.	Denomination and norms	Final Specifications
1.	Material	Minimum 80% wool material 20% other fibres (e.g. Cotton or Cotton/Synthetic mix).
2.	Make	Woven, dry raised both sides
3.	Content, ISO 1833 On dry weight.	1) 80% wool fibres +/-5%. 2) 20% other textile fibres +/-5%.
4.	Dimensions / Size	150 x 200cm +3%/-1%. To be taken on flat stabilized sample, without folds.
5.	Weight. The Weights determined by total weight X total surface =. Total weight of the unit	1) Min. 850g/m ² 2) 2400 to 2550 Grams
6.	Thickness, ISO 5084	1 Kilopascal on 2000mm ² -5mm minimum
7.	Tensile strength, ISO13934-1	250N minimum warp and weft.
8.	Tensile strength loss after washing ISO13934-1 and ISO 6330.	Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying.
9.	Shrinkage maxi. ISO 6330	Maximum 5% warp and weft after 3 consecutive machine washing at 30°C and one flat drying.
10.	Weight loss after washing	Maximum 5% after 3 consecutive machine washing at 30°C and one flat drying.
11.	Thermal resistance, ISO 5085-1	R _{ct} = 0.25m ² . K/W minimum, rounded to the nearest 0.01, passed on samples picked from compressed bales. Mechanical conditioning: after opening of the bale, the blanket shall be dry tumbled in a dryer (500l minimum capacity) without any other load for 15 minutes at a temperature of less than 30°C. Then, the blanket shall be conditioned for at least 24 hours by flat lying at ambient conditions (20°C and 65% Relative Humidity).
12.	Resistance to air flow ISO 9237 under 100Pa pressure drop.	Maximum 1000 L/m ² /s
13.	Finish	Whipped seam at 10mm from the edge with 10 to 13 stitches / 10cm or stitched ribbon or hemmed on 4 sides.
14.	Organoleptic test	1) No bad smell, Not irritating to the skin, no dust. 4<pH<9. 2) Free from harmful VOC (Volatile Organic Components). 3) Fit for human use.
15.	Fire resistance, ISO12952-1&2	Resistance to cigarette - No ignition
16.	Fire resistance, ISO12952-3&4	Resistance to flame - No ignition

17.	Colours	Bidder specified
18.	Packing	-Bales to be wrapped in a water-tight micro perforated plastic film and covered with a polypropylene or jute woven bag. -Quantity per bale: 20 pieces. -Compressed and strapped with 5 straps (2 lengthwise, 3 crosswise). -Bales dimensions: Length approx. 0.8m, width approx. 0.5m -Height of the bales to be compressed by maximum 40% from state to final compressed and strapped state. -(ex: if the bale is 1m high at free state, it should be compressed to a height of 0.6m at final and strapped state).
19	Pallet Details	Dimensions (W x L x H): 800 x 1200 x 144 mm. Maximum height of the packed pallet: 115 cm. Pallets should be shrink wrapped and strapped. The palletized goods must not exceed the length and width of the pallet.
20	Manufacturer Marking.	Every blanket should include a tag, stitched in the hem, with the manufacturer identification (letters not higher than 2.5 cm). The tag should include the manufacturer's name, a unique reference batch number and the date of manufacturing. No company logo should be included with the manufacturer's marking.
1) "NDRF INDIA" visibility logo should be stitched as a label or inserted / printed / heat embossed on the blanket, placing the (long lasting) logo on the centre of the blanket or in one corner. 2) The size of the logo should be of 6"X6" 3) The colour of the logo should be white or blue, contrasting with the background of the blanket. 4) Typeface (Font), Colour specifications for printing: Font: Helvetica Bold. Colour specification: Pantone Blue 300 or quadric-chrome (CMYK). C = 100%, M = 45%, Y = 0%, K = 0%.		
The bidder would be free to get the samples tested, if required @ supplier's cost. Supplier should produce a valid test report from NITRA/ NABL/Central Govt. Lab covering all the parameters as per Specification		
The confirmation that the stores are meeting the specification should be supported by adequate Documents/Literature etc.		