

**RAILWAY PROTECTION FORCE**

**WEST CENTRAL RAILWAY**

**Specification for suiting cloth khaki for RPF Staff.**

**Description:** cloth suiting Polyester/Viscose Blended as per following description.

<b>SI No.</b>	<b>Characteristic</b>	<b>Requirement</b>
01	Approximate Count of Warp & Weft yams	19.8s (Ne)(2f) 19.5s(Ne)(2f)
02	Blend Composition, percent (+/- 3)	
	a) Polyester	67%
	b) Viscose	33%
03	Threads /DM (+5%&-2.5%)	
	a) Warp	417
	b) Weft	260
04	Mass ,g/M2 (+5%&-2.5% )	221Gram
05	Width ,cm	148cm
06		Breaking Load on 5×20 cm strip,Min
	a)Warp direction	121.7 Kgs
	b) Weft direction	92.2Kgs
07	Crease recovery angle ,Min (initially & after three repeated washing)	280 Degree
08	Pilling resistance (after 18 000 revolutions)	4 or better
09	Relaxation shrinkage , percent Max	
	a) Warp direction	1.0
	b) Weft direction	1.0
10.	Heat shrinkage , percent Max	
	a) Warp direction	2.0
	b) Weft direction	2.0
11	PH Value of the aqueous extract	1
12	Water soluble matter ,Max Percent	1
13		Colour Fastness
	a) Light	5 or better
	b) Washing ; Test 3 (After 4 washing )	
	1) change in colour	4 or better
	2) staining on adjacent fabric	4 or better
	c) Perspiration	
	1) Change in colour	4 or better
	2) Staining on adjacent fabric	4 or better
	d) Rubbing	
	1) Dry	4 or better
	2) Wet	4 or better

Continue to....

**NOTE:**

1. The yarn used in the manufacture of the fabric shall be made from uniform and intimate blend of 67% Polyester & 33% Viscose, Two folds of evenly spun yarn reasonably free from neps and other spinning defects shall be used for both warp and weft .
2. The fabric shall be uniformly woven in plain weave and the selvages shall be firm and straight. The fabric shall be well singed . The fabric shall be “ Heat set” and fully shrunk .
3. No major flaws (defects)in the fabric are allowed . A list of major flaws is given in annex B of IS : 11248/1995 latest No flag allowance will be accepted for the major flaw (defects),
4. The number of pieces to be selected at random from a lot for inspection shall be according to clause 7 of IS : 11248/1995 or latest, and method to test as per IS : 11248/1995 or latest
5. The Manufacturer name or Trade mark shall be woven on the both side of selvages through out the length using suitable yarn . The same shall be clearly visible even after processing / finishing.
6. The Word “ Made for RPF” is also required to be woven on the both side of selvages.
7. Material to be supplied in a cut length of 3.03 Mtr each. Each place will be packed in button down / seal tape poly bag of 200 gsm approx printed with RAILWAY PROTECTION FORCE , WEST CENTRAL RAILWAY JABALPUR .And 50 such pcs to be packed in corrugated carton box of 6 ply with 160 gsm approx duplex board .
8. Only RAYMOND ,REID & TAYLOR , SRILAXMI COTSLION LTD,DIG JAM ,BINNY ,JCT,RINKON S KUMAR & VIMAL are acceptable . No other Brands are acceptable for this item.
9. Non type of printing or screen printing will be allowed the cloth or piece . Manufacturer should attach a tag with cloth piece with the Type of material /Batch No / Colour /Length /width /blend /place No / Cartoon No /Mfg year & Month .
10. Material should also confirm with stock sample in respect of feel , finish , shade and general appreance.
11. Supplier should send the pacing detail at the time of supply . A packing slip also to pack in each cartoon .  
Only Manufacture or their deafer offers are acceptable . Dealer should submit an authorization from Manufacture in original for this particular tender.

**(S.S. Ingle)**  
**ASC(P)/RPF/WCR**  
**For CSC/RPF/WCR/JBP**

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