

Present Specification - TERRY COT KHAKI PANT & SHIRT - 67/33 POLYESTER/COTTON  
PLAIN WEAVE 148/150 CMS WIDTH

**Annex - E**

Based on IS Specification - Khaki Shirting & Sulting

| Sl. No | Specification   | Proposed parameters                              |
|--------|---|--|
| 1      | Colour  | Khaki Shade                                      |
| 2      | Fabric blend Composition %<br>Polyester<br>Cotton   | 67 ±5%<br>33 ±5%                                 |
| 3      | Ends / dm (ASTM-D3775)<br>Picks / dm  | Terrycot 250 +5% / -2.5%<br>200 +5% / -2.5%      |
| 4      | Warp Count/ Ne (ASTM-D 1059)<br>Weft Count/ Ne  | 2/30 <sup>3</sup> ± 5%<br>2/30 <sup>3</sup> ± 5% |
| 5      | Mass (g/m <sup>2</sup> ) ASTM-D 3776  | 240 + 5% / - 2.5 %A                              |
| 6      | Length in metres, min   | 2.6 meter for stitching 2 pants                  |
| 7      | Width in cms, min ASTM — D 3774   | 147  |
| 8      | Tensile Strength on 5x20cm strip :<br>IS 1969<br>Warp Strength Kg Min<br>Weft Strength Kg Min.  | <br><br>140<br>110                               |
| 9      | Crease Recovery, IS 4681<br>Warp recovery angle, min<br>Weft recovery angle, min  | <br>130°<br>130°                                 |
| 10     | Pilling rating IS 10971<br>(After 18000 revolutions)  | 4 or better                                      |
| 11     | Tear Strength : ASTM — D 1424<br>Warp Tear Strength gf.,min<br>Weft Tear Strength gf.,min   | <br>6400<br>6400                                 |
| 12     | % shrinkage to relaxation max.<br>IS 2977<br>Warp way<br>Weft way   | <br>2<br>2                                       |
| 13     | % shrinkage (hot condition) at 105°<br>±2°, max. IS : 11248<br>Warp way<br>Weft way   | <br>2<br>2                                       |
| 14     | pH value of Aqueous extract<br>IS 1390  | 6 to 8   |
| 15     | Minimum colour fastness rating to :<br>Light IS : 2454<br>Washing IS : 764<br>Rubbing IS : 766<br>Perspiration IS : 971<br>Hot pressing, dry & wet IS : 689 | <br>5<br>4<br>4<br>4<br>4                        |
| 16     | Weave   | 1/1 plain  |