

Through E-Mail

Directorate General, C.R.P.F.

Block No.1,CGO Complex , Lodhi Road, New Delhi –110 003

(Ministry of Home Affairs)

(Tele /Fax No. 011-24360155)

No. U.II.98/2025-26-(T-Shirt R/Neck)-Prov-14

Dated, the 31 August 2026

To

The Director General,

AR, BSF, CISF, ITBP, NSG, SSB and BPR&D.

Subject: QRs/Specifications of “T-Shirt Half Sleeves Round Neck Disruptive Pattern” for CAPF.

In terms of MHA Order No. IV-11012/02/2009-Fin-I/Prov-I17 dated 02/01/2018, QRs/Specifications of **T-Shirt Half Sleeves Round Neck Disruptive Pattern for CAPF** has been approved by DG, CRPF (Nodal Force)

2. The existing QRs/TDs of 2018 (**Circulated vide CRPF Directorate letter No. U-II-98 (Spec)/2017-18-Prov-(T-Shirt) dated 07/12/2018**) has following two option in composition of material:-

i. Polyester - 58% and Cotton - 42%

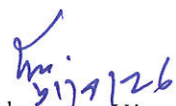
ii. Cotton – 100%

3. The above both option were also deliberated by subgroup and it was decided that rather than replacing both QRs/TDs with new one, as of now two options will be kept. The new QR/TD with **100% Polyester** and one previous Polyester and Cotton composition (**i.e. Polyester - 58% and Cotton - 42%**), so that CAPF may procure both composition T-Shirt as per requirement. This was also accepted unanimously.

4. Hence, the approved new QRs/specifications and existing QRs/specification with Polyester and Cotton of T-Shirt Half Sleeves Round Neck Disruptive Pattern enclosed herewith for further needful action please.

Encl: 01. New Approved QRs (Appendix-A)

02. Existing QRs with Polyester and Cotton (Appendix-B)


(Shahnawaz Khan)

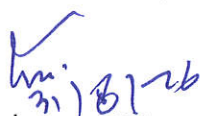
DIG(Prov) Directorate

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Dated, the 31 August 2026

Copy to the :-

- 1) **SO (IT)**, North Block for information and necessary action please on his e-mail ID soit@nic.in
- 2) The ACEO (GeM), Government of India, Ministry of Commerce and Industries, Government-E-Market Place, Jeevan Tara building, 5- Parliament street, New Delhi-110001 with request to update the existing category as per the approved QRs/Specifications and TDs of above items on GeM Portal.
- 3) The DIG (IT), Directorate General CRPF with request to upload the approved QRs/Specifications of above items on CRPF website.
- 4) All Zones/Sectors (Including CoBRA, RAF and VS Wing/GC/Units HQR for information and necessary action please.


(Shahnawaz Khan)

DIG(Prov) Directorate

**QRs/Specifications of "T-Shirt Half Sleeves Round Neck
Disruptive Pattern"
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1. **Applicability**- These specifications relate to the manufacturing details of the T-Shirt Half Sleeves Round Neck Disruptive Pattern.

2. Salient Features:

The salient features of the garment are: Polyester T-Shirt

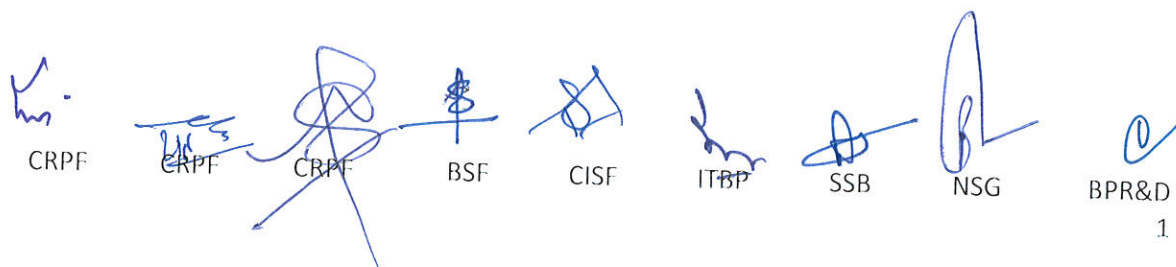
3. Materials

The materials used in the manufacture and packing of the T-Shirt shall conform to the following Standard Specifications:

The T-Shirt shall be manufactured out of well and evenly single jersey knitted fabric. The constructional details of the fabric are as given under. The knitted fabric shall not be overloaded or pulled in length while calendaring.

4. Colour-

The approved Digital Pattern/Camouflage Pattern of concern CAPF or as per the user CAPF.



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5. Parameters-

S/ N	Specifications	Specification/Parameter Proposed to be changed (No change to be written if no change proposed)	Test Method*
1.	Fibre Identification / Composition Except Neck For Neck (On Dry mass basis)	Micro and/Or Hollow Polyester - 92% ($\pm 3\%$) Spandex - 8 % ($\pm 3\%$)	AATCC 20:2011 and AATCC 20A:2012 IS 667/AATC-20 AATCC-20-A/IS:3416
2.	Seam Strength Wales wise Course wise.	175 N(Min) 175 N(Min)	ISO 13935 / 13937
3.	Dimensional Stability	$\pm 2\%$ (Both directions)	IS 2977-1989 IS 2977 : 1989 (RA 2020)/ ISO 6330 : 2021
4.	Fabric Weight	180 GSM ($\pm 5\%$)	IS 1964 : 2001
5.	Colour fastness to Rubbing	Dry: 4 or better Wet: 4 or better	IS 766-1988 IS/ISO 105-X12:2001 RA 2016
6.	Colour fastness to light	4 or better	IS 2454 : 1985
7.	Colour fastness to washing	4 or better	IS/ISO 105 C 10 D (4): 2006 IS/ISO 105 C 10:2006 RA 2017 Test A (1)
8.	Colour fastness to perspiration	4 or better	IS 971 : 1983


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S/ N	Specifications	Specification/Parameter Proposed to be changed (No change to be written if no change proposed)	Test Method*
			ISO 971:1983/ IS/ ISO 105 E04: 2008 RA 2019
9.	Spirality after one Wash	±4% Maximum	IS/ISO 16322-1: 2005 (Washing as per ISO 6330-2A at 60C followed by flat dry)
10.	Banned Azo Colorants	No Banned Azo Colorants	IS 15570 : 2005
11.	pH value of aqueous extract (Cold method)	6.0 - 8.5	IS 1390 : 1983 IS : 1390 2022
12.	Count per yarn, Ne	50 Denier (Minimum)	IS:3442-1980 IS 3442-1981 RA 2018
13.	Type of Knit	Single/Double Jersey (Plain / Circular Knit)	Visual
14.	Wales/inch Courses/inch	ASTM D 8007-15(2019)	No change No change
15.	RET (Resistance to Evaporative Heat Transfer) (Breathability)	<3.5 m ² Pa/W or less	ISO 11092 -- 2014 IS 17376-2020 / IS 17416:2018
16.	Thermal conductivity	0.03 W/mk or more	ASTM D 1518-14
17.	Anti-fungal	No fungal growth	AATCC 30 (Part III) - 2017


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S/ N	Specifications	Specification/Parameter Proposed to be changed (No change to be written if no change proposed)	Test Method*
18.	Anti-bacterial	Minimum Log 3 (99.9 %) reduction in Bacteria	JIS L 1902 : 2015/ ISO 20743 / AATCC 100:2019
19.	Drying Rate	1 ml/hr or more	AATCC 201
20.	UV Protection	UPF 50 (98% blockage of UV-A and UVB radiation) or more	AATCC 183
21.	Absorbency	3 sec (Max)	AATCC-79
22.	Wicking	Time taken to reach 22 mm: 15 sec (Max)	AATCC-197
23.	Piling resistance	4 or better	IS 10971 (Part 1) 2011 RA 2017
24.	Bursting Strength N/cm ²	100+-10	IS 1966 (Part-I) 2009 RA 2018/ ISO: 13938-1 (Hydraulic Method)
25.	Moisture Vapour Transmission	Avg - 2500 g/m ² /day or more	ASTM E96/E96M:2016 (Water Method) Temp. (32+- 2)C, RH: (50+-2)% (Upright Method) Air velocity = 0.5-2.5 m/sec

*

(All the testing method should be latest)

6. **Design:** The T-Shirt shall be Round neck disruptive pattern

Portion to be stitched	Type of stitch	Thread in the Needles	Thread in the loopers
Round Neck- (Crew Neck) T-Shirt and armholes	Overlock & Flat Lock Stitches	80/120	80/120
Note: Ticket No.80/120 Spun Polyester are used in the needles and loopers.			


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7. Manufacture and Workmanship/Operation:

S.No.	Operation	Stitch Code	Needle Size	Thread Size	Machine Used
1.	Front & Back Shoulder Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
2.	Sleeve Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
3.	Side Seam Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
4.	Neck Rib Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
5.	Top Stitch on Neck Rib	406	11-Ball Point	80/120	Two Needles Flat Lock Machines with needle gauge 4mm
6.	Sleeve & Bottom Hemming	406	11-Ball Point	80/120	Two Needles Flat Lock Machines with needle gauge 8mm

Note: The number of stitches shall not be less than 12 stitches per inches

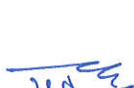
8. Shape and dimensions

The T-Shirt shall confirm to the requirement given in (Annexure-A)

9. Packaging

S. no.	Materials	Dimension
1.	Re-Cycle Card-Board 300 gsm	26 cm x 22 cm
2.	Transparent Polybag (Printed on bag: Kindly dispose after used)	35 cm x 27 cm
3.	Plastic Packing Clip (U Shape)	4.0 cm x 7 cm x 3 cm
4.	Paper Strip/Fabric Ribbon strip	If required
5.	Wash Care Label, Stamp-Ink on Center Back Neck	Standard Size 3 cm x 4 cm


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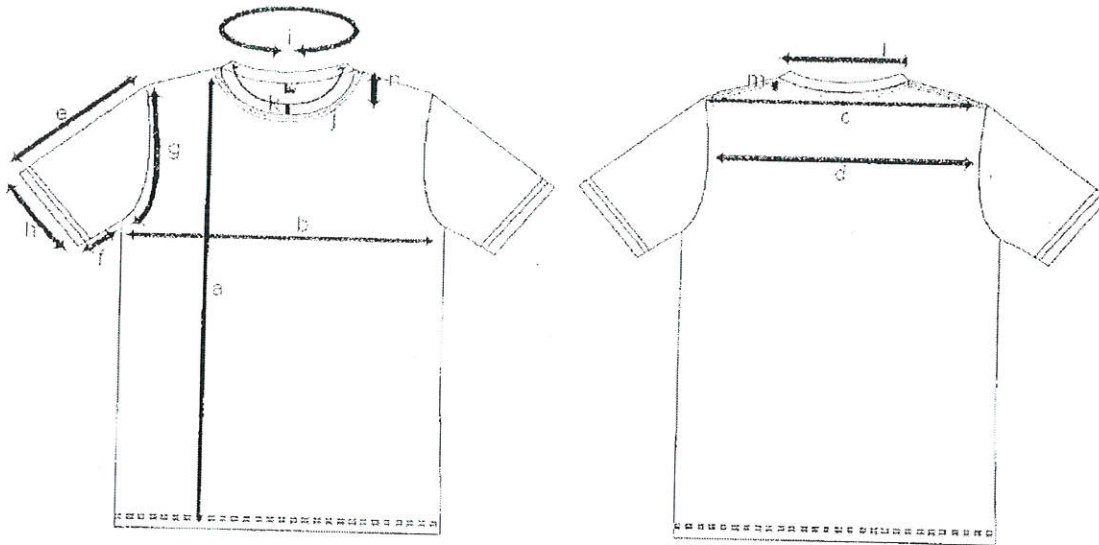

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Annexure-A

T-SHIRT DESIGN



Front

BACK

Size Specification of T-Shirt (half sleeves round neck)

Sl. No.	Size	Size in inches					Tolerance
		S	M	L	XL	XXL	
a	length from (HSP)	28.5	29	29.5	30	31	±0.5
b	chest width round	40	42	44	46	48	±1.0
C	shoulder seam to seam	17.5	18	18.5	19	19.5	±0.25
d	across back 4"down from center back	16.5	17	17.5	18	18.5	±0.25
e	sleeve length	8.5	9	9.5	10	10.5	±0.25
f	inseam length	4	4.5	5	5.5	6	±0.25
g	arm hole curve round	19	20	21	22	23	±0.25
h	sleeve opening (round)	14	14	14.5	15	15.5	±0.25
i	neck rib round	17.5	18	18.5	19	19.5	±0.25
j	neck round on seam	23	23.5	24	24.5	25	±0.25
k	neck rib height					1	
	neck width shoulder seam to shoulder seam	7.75	8	8.25	8.5	8.75	±0.15
m	back neck drop	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	
n	front neck drop	3	3	3	3	3	±0.15

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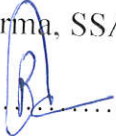
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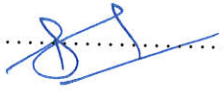
BPR&D


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(Deepak Sharma, SSA(T) BPR&D)


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(Bhupendra Singh, Sqn Cdr, NSG)

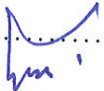

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(Vijay Singh, DC, BSF)


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(Balbir Singh, AC, ITBP)


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(Pushpendra Saxena, AC, CISF)


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(Yatender Singh, DC, CRPF)


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(Ajay Singh Yadav, 2IC, SSB)


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(Shahnawaz Khan, DIG, (Prov) CRPF)


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(Kabib K., IPS, IG (Prov) CRPF)


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(Sandeep Khirwar, IPS, ADG (HQr) CRPF)

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Approved/Not Approved


Gyanendra Pratap Singh, IPS, DG, CRPF

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QRs/ Specifications of "T-Shirt Half Sleeves Round Neck Disruptive Pattern"

1. **Applicability-** These specifications relate to the manufacturing details of the T-Shirt Half Sleeves Round Neck Disruptive Pattern (Regular & Green Pattern)

2. **Salient Features:**

The salient features of the garment are: **Poly-Cotton T-Shirt**

3. **Materials**

The materials used in the manufacture and packing of the T-Shirt shall conform to the following Standard Specifications:

The T-Shirt shall be manufactured out of well and evenly single jersey knitted fabric. The constructional details of the fabric are as given under. The knitted fabric shall not be overloaded or pulled in length while calendaring.

S. No.	Specifications	Requirement	Test Method*
1.	Fibre Identification/ Composition Except Neck For Neck (On Dry mass basis)	Cotton : $58 \pm 3\%$ Polyester : Remainder Cotton : $56 \pm 3\%$ Polyester : Remainder Elastane : 2% Min	AATCC 20:2011 and AATCC 20A:2012 IS: 667/AATC-20 AATCC-20-A/IS:3416
2.	Dimensional Stability	$\pm 3.5\%$ (Both directions), Maximum	IS 2977-1989
3.	Fabric Weight	200 to 220 (g/m^2)	IS 1964 : 2001
4.	Colour Fastness to Rubbing	Dry: 3-4 or better Wet: 3-4 or better	IS 766-1988
5.	Colour Fastness to Light	4-5 or better (On blue wool)	IS 2454: 1985
6.	Colour Fastness to Washing	Change in Colour: 4 or better Staining on Cotton: 4 or better	IS/ISO 105 C 10 D (4): 2006
7.	Colour Fastness to Perspiration	4 or better	IS 971:1983
8.	Spirality after one Wash	4% Maximum	IS/ISO 16322-1: 2005 (Washing as per ISO 6330-5A at 40°C followed by flat dry)
9.	Banned Azo Colorants	30 mg per Kg, Maximum	IS 15570 : 2005
10.	pH Value of aqueous extract (Cold method)	6.0 to 8.5	IS 1390 : 1983
11.	Count per yarn, Ne	24's (for manufacturer's guidance)	IS:3442-1980
12.	Wales per Inch Course per Inch	32 Minimum 48 Minimum	Visual
13.	Type of Knit	Single Jersey (Plain Knit)	Visual

* Latest version of testing Method will be used.

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4. **Design** : The T-Shirt shall be round neck disruptive pattern (Regular & Green Pattern)

Portion to be stitched	Type of stitch	Thread in the Needles	Thread in the loopers
Round Neck -- (Crew Neck) T-Shirt and armholes	Overlock & Flat Lock Stitches	80/120	80/120
Note: Ticket No. 80/120 Spun Polyester are used in the needles and loopers.			

5. **Manufacture and Workmanship/ Operation:**

S.No.	Operation	Stitch Code	Needle Size	Thread Size	Machine Used
1.	Front & Back Shoulder Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
2.	Sleeve Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
3.	Side Seam Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
4.	Neck Rib Joining	514	11-Ball Point	80/120	Four Thread Overlock Machines
5.	Top Stitch on Neck Rib	406	11-Ball Point	80/120	Two Needles Flat Lock Machines with needle gauge 4mm
6.	Sleeve & Bottom Hemming	406	11-Ball Point	80/120	Two Needles Flat Lock Machines with needle gauge 8mm

Note: The number of stitches shall not be less than 12 stitches per inches.

6. **Shape and dimensions**

The T-Shirt shall confirm to the requirement given in (Annexure-A)

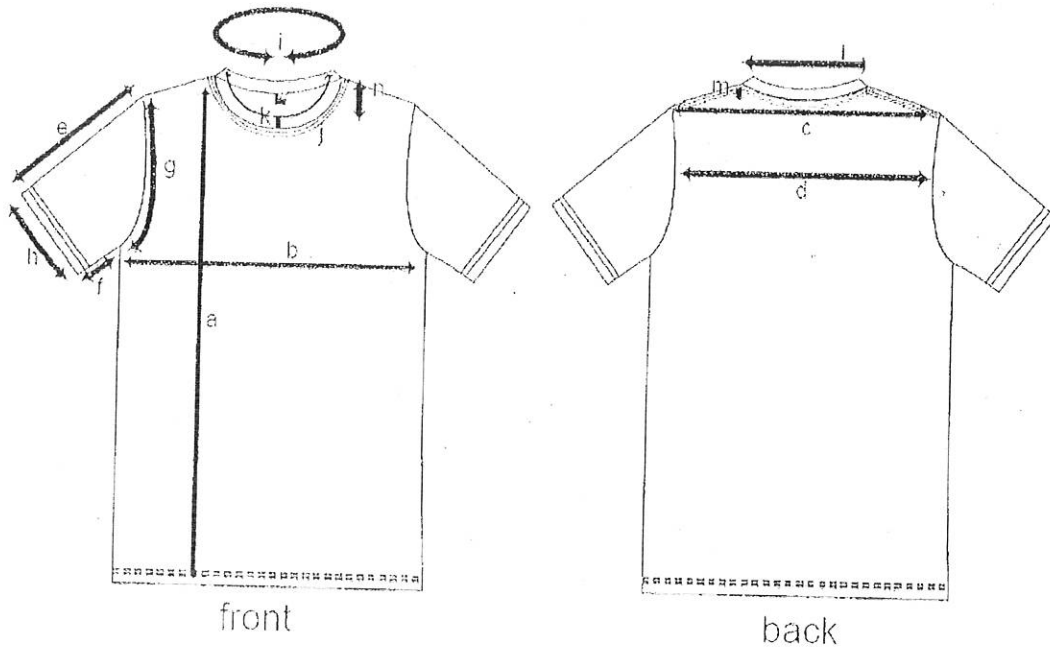
7. **Packaging**

S.No.	Materials	Dimension
1.	Re-Cycle Card-Board 300 gsm	26 cm x 22 cm
2.	Transparent Polybag (Printed on bag: Kindly dispose after used)	35 cm x 27 cm
3.	Plastic Packing Clip (U Shape)	4.0 cm x .7 cm x .3 cm
4.	Paper Strip/ Fabric Ribbon strip	If required
5.	Wash Care Label, Stamp-Ink on Center Back Neck	Standard Size 3 cm x 4 cm

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Annexure-A

MENS T-SHIRT



Size Specification of T-Shirt (half sleeves round neck)							
Sl. No.	Size	Size in inches					Tolerance
		S	M	L	XL	XXL	
a	length from (HSP)	28.5	29	29.5	30	31	±0.5
b	chest width round	40	42	44	46	48	±1.0
c	shoulder seam to seam	17.5	18	18.5	19	19.5	±0.25
d	across back 4" down from center back	16.5	17	17.5	18	18.5	±0.25
e	sleeve length	8.5	9	9.5	10	10.5	±0.25
f	inseam length	4	4.5	5	5.5	6	±0.25
g	arm hole curve round	19	20	21	22	23	±0.25
h	sleeve opening (round)	14	14	14.5	15	15.5	±0.25
i	neck rib round	17.5	18	18.5	19	19.5	±0.25
j	neck round on seam	23	23.5	24	24.5	25	±0.25
k	neck rib height	1	1	1	1	1	-
l	neck width shoulder seam to shoulder seam	7.75	8	8.25	8.5	8.75	±0.15
m	back neck drop	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	-
n	front neck drop	3	3	3	3	3	±0.15

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Number of T-Shirts to be selected from a lot and permissible number of Non-conforming T-Shirts

No. of the T-Shirt in the lot	Non-destructive Testing		Non-destructive Testing	
	Number of the T-Shirt to be selected	Number of the T-Shirt to be selected	Number of T-Shirts to be selected	Permissible Number of Non-conforming T-Shirts
(1)	(2)	(3)	(4)	(5)
Up to 300	10	1	2	0
301-500	20	1	3	0
501-1000	30	2	5	0
1001-3000	50	3	8	0
3001 and above	80	5	13	1


A/Rif


BSF


CISF

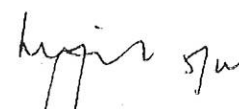

CRPF


ITBP


SSB


NSG


Anupam Kulshreshtha, IPS, IG(Prov), CRPF


Rajeev Rai Bhatnagar, IPS
BG CRPF