

PAKISTAN NAVY SPECS PN/UNIFORM/02/2001
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TROUSER SERGE DRESS NO 8

Prepared by:

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PN/UNIFORM/02/2001

PAKISTAN NAVY SPECIFICATIONS

vide DITD letter PD/2400/10/GEN/9/ TROUSER SERGE BLUE DRESS NO.8

CPOs & SAILORS

DRAWING NO.TD-1470 / 2000 DATED 02 NOV 2000

FOREWORD

This specification is promulgated by Inspection and Technical Development Directorate, Headquarters, Karachi, to provide necessary guidance to the potential manufacturers/suppliers of the items mentioned herein. This specification is to be used for testing and deciding upon acceptance, or otherwise, of the items mentioned. Any alteration or addition in this specification can be suggested to ITD Directorate, however, it can not be implemented without approval of DITD. This specification supersedes all other specifications promulgated earlier in relation to the items mentioned herein.

SCOPE

* Flouserserge Black This Specification covers manufacturing/inspection requirements for Trouser Serge Blue Dress No.8 intended to be used by CPOs & Sailors of Pakistan Navy.

MATERIAL SPECIFICATIONS

3. **BASE MATERIAL**

Material

Cloth Serge

(Wool & Polyester mixed)

Blending percentage b.

45% + 3% Wool 55% + 3% Polyester

Quality of Wool

64 s (21 microns)

Shade d.

* Black(sample heldat L* cspand cins 17.6

17.6 0.30 -2.60 2.60

Width

56" Exclusive of selvedge

Test	Requirement	Relevant Standard	
Flammability	Class 1 - Flame Spread Time > 3.5 sec	a. 16 CFR 1610 - b. ASTM D 1230	

Care instructions in English and Urdu shall be attached with Clothing Items and should have following instruction, as Applicable.

AMENDED vide DITD letter PN/MDITD/03/88756 dt 20 Jan 2016

Drying instructions.

Washing instructions. c. Ironing instructions. Any Prohibitions.

1+ vide DITD Letter PD/2400/10/GEN/9/ 2502 de 29-11-2011 2502 Post 1064



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1	Threads per inch Warp Weft	72 ± 2 63 ± 2
√h	Count of yarn Warp Weft	2/36 s ± 5% (EWC) 2/36 s ± 5% (EWC)
j.	Weight / L. Yard (RH 65% Temp 20 °C)	13.3 ± 0.5 Ozs
k.	Shrinkage Warp West	1% (Max) 1% (Max)
1.	Breaking strength (B.G. 6 5/8" x 6 5/8") (RH 65% Temp 20 ° C)	
	Wan Weft	550 ± 50 Lbs 500 ± 50 Lbs
m	Scouring loss	2% (Max)
li.	Nature of dyes	18c2 Metal complex dyes (Woollen) Disperse and or Dope Dyed (Polyester)
p	Dye fastness to Washing Test No.2	
	Staining on cotton Staining on woolen Change in shade	GS-4 GS-4
q.	Dye fastness to dry Cleaning Staining on cotton Staining on woollen Change in shade	GS-4/5 GS-4/5 GS-5
r.	Dye fastness to perspiration	GS-4
s.	Dye fastness to light	GS-5
t.	Crease Recovery	75% Minimum (Warp & Weft)

4 INNER CLOTH

a. Waist Band
b. Pockets

Fused Buckram (best trade quality)

Cotton Black (BCC-220)

Polyester/cotton blended black-vide D: TD Letter

Polyester/

6. ZIPPER

High quality continuous element zipper with nylon chain, metallic cam lock slider and top / bottom stops. (All material parts shall be non corrosive with fresh water and other commercial detergents).

Colour Black

c. Test Operability and crosswise strength of zippers to be ensured manually.

7. Waist Securing Hook & Retainer trainless Steel -vide DITD letter

8. Buttons Heat resistant PP12400/10/GEN19/ 2502 du-29-11-2011

a. Shade Black

9. Stitching / over-locking thread 100% Polyester

10. Make, Shape, Design and Dimensions

As per drawing No.TD-1470/2000 dt.02 Nov 2000 and Schedule of measurement (Annex `A') shall be consulted.

MANUFACTURING DETAILS

- 11. All trousers are to be made to a high quality standards and to this end sound tailoring production techniques are to be applied in their construction. Attention must be paid to features which have a bearing on a neat smooth superior finish.
- 12. Uniformity in appearance is essential, therefore, there is to be no noticeable variation between production and standard pattern. All trousers are to be identical in detail.
- 13. Trousers are to be made to wearers measurement to be supplied with the contract.
- 14. Special measure uniforms are to be made to the wearer's measurements to be supplied to the contractor, the schedule is then to be used as a guide for measurements.



INSPECTION DETAILS

For each contract following material shall be supplied by the manufacturer at the time of

		03 Meter
a.	Base material	
	Buckram	01 Meter
b.		03 Nos.
C.	Zipper	10 Nos.
d.	Hook & retainers	
e.	Buttons	10 Nos.
	Stitching thread	50 Gms
f.	Silicining in card	03 Nos.
0	Finished product	051.00

ACCEPTANCE OF STORES

Inspection of the uniform items is to be carried out to the satisfaction of CINS.

PACKING INSTRUCTIONS

Packing (preservation, identification) is to be in accordance with the terms of the

Captain Pakistan Navy

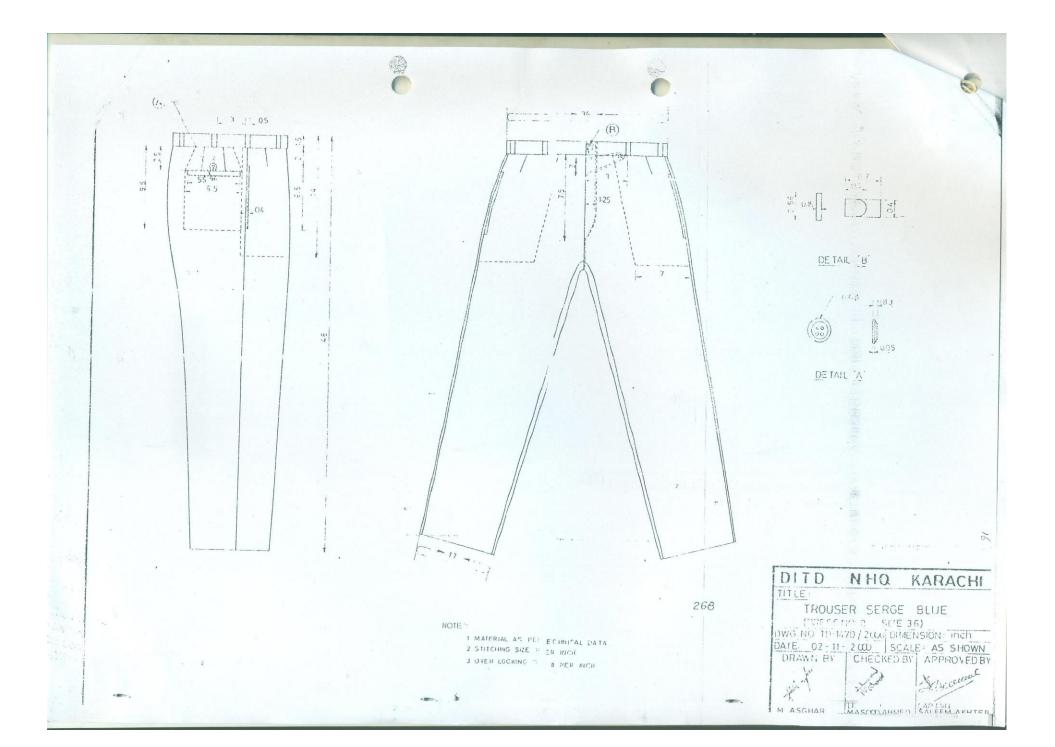
Director

- All stitching should be overlocked.
- Tender sample to be approved by CINS.
- Trouser shall be of free length.
- Shade of base material will be checked against tender sample held with CINS.
 - This specification will be subjected to changes as and when necessary.

Annex:

Schedule of measurement

Drawing No.TD-1470/2000 dated 02 Nov 2000



ANNEX 'A' TO IN SPECIFICATION NO.PN UNIFORM 02 2001

SCHEDULE OF MEASUREMENTS OF TROUSER SERGE BLUE DRESS NO. 8

All measurements in inches

S.No.	Waist	Hip	Length	Inside	Knee	Bottom	Thigh Rise	Front	Back
1.	28	38	46(Open)	34	20	17	25	12	16
2.	30	40	46(Open)	34	20	17	25	12	16
3.	32	42	46(Open)	34	20	17	25	12	16
4.	3.4	44	46(Open)	33.5-34	20	17	26	12.5	16.5
5	36	46	46(Open)	33.5- 24	21	1.7	27.5	12.5	16.5
6.	38	48	46(Open)	33.5 34	21	18	2.8	12.5	17
7.	40	50	46(Open)	33.5- 24	22	18	30	12.5	18
8.	42	52	46(Open)	33.5- 34	22	18	32	12.5	18.5