

RESTRICTED



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OFFICE OF NRDI (ITD  
WING)

PN/DID/GENERAL/1751533 58455

See Distribution 06 December 2022

AMENDMENT IN PN SPECIFICATIONS FOR CHANGE IN COLOR SHADE FOR  
SSG(N) UNIFORM ACCESSORIES

Reference(s):

- A. PN/NS Dte/GENERAL/502493 dated: 02 December 2022
- B. PN/DITD S/GENERAL/970687 dated: 19 October 2022

Following amendments in PN Specifications duly approved by NHQ vide Reference A are hereby promulgated for further necessary action by all concerned:

a. PN Specifications 04/2014 – Soft Name Tally SSG (N)

FOR: Pantone Shade - 16-0726 TCX

READ: Pantone Shade - 17-0620 TCX

b. PN Specifications 05/2014 – Soft Shoulder Stripes SSG (N)

FOR: Pantone Shade - 16-0726 TCX

READ: Pantone Shade - 17-0620 TCX

MUHAMMAD YASSAR  
YAHYA  
CAPT PN  
DID

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PAKISTAN NAVY SPECIFICATION 05/2014

PROMULGATION DATE:

30/Oct/14

**SOFT SHOULDER STRIPES FOR  
CAMOUFLAGE DRESSES  
(DRESS NO 4B, SSG(N) & PAK  
MARINE)**

Prepared by:

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TD/2400/10/Shoulder Stripes Camouflage/14/ 2988

See Distribution:

30 Oct 14

**DEVELOPMENT OF SPECIFICATION FOR SOFT SHOULDER STRIPES FOR CAMOUFLAGE DRESSES (DRESS NO 4B, SSG(N) & PAK MARINE)**

Specifications of Soft Shoulder Stripes For Camouflage Dresses (Dress No 4B, SSG(N) & Pak Marine) (PN Specs 05/2014), enclosed herewith, are being promulgated for future use.

MUHAMMAD TAHIR KARIM  
Captain Pakistan Navy  
Director

Enclosure:

1. PN Specs (05/2014) Soft Shoulder Stripes For Camouflage Dresses (Dress No 4B, SSG (N) & Pak Marine)

Copy to:

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Action:

- |          |   |                |
|----------|---|----------------|
| DNS      | - | with enclosure |
| DP (N)   | - | with enclosure |
| CINS     | - | with enclosure |
| CO PNCSD | - | with enclosure |

Information:

- |                             |   |                   |
|-----------------------------|---|-------------------|
| HQs COMLOG<br>Attn: SSO (S) | - | without enclosure |
| COMDEP<br>Attn: SSO (S)     | - | without enclosure |

**AMENDMENT RECORD**

Amd No	Date	Text Effected	Signature and Date

**REVISION NOTE**

The specifications have been prepared to bring the test methods and procedures in line with up-to-date PN requirements and facilities held in Pakistan. CINS may request to amend any test requirement/ test procedure in light of the experience from its inspection history, through the Feed back performa placed at Annex F. However, such an alteration will be effective when the amendment is promulgated by this Directorate, thereby effective on the contracts which materialize after the promulgation date of respective amendment.

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1. **DESIGNATION**

1.1 Soft Shoulder Stripes for Camouflage Dresses (Dress No 4B, SSG(N) & Pak Marine)

2. **USAGE**

2.1 These Soft Shoulder Stripes will be used by Officers and CPOs of Pakistan Navy.

3. **INTRODUCTION**

3.1 These specifications are prepared by Directorate of Indigenous Technical Development, Karachi, to provide necessary guidance to the potential manufacturers/suppliers of the items mentioned herein. These will be used for testing and deciding upon acceptance, or otherwise, of the items mentioned. Any alteration or addition in specification can be suggested to ITD Directorate. However, it cannot be implemented without prior approval of DITD. These specifications supersede all other specifications promulgated earlier in relation to the items mentioned herein.

3.2 These specification booklet consists of 21 pages including 07 Annexes, 09 drawings and the cover.

4. **SCOPE**

4.1 This specification defines the requirements of Soft Shoulder Stripes for Camouflage Dresses (Dress No 4B, SSG (N) & Pak Marine) which is to be worn by the Officers and CPOs of Pakistan Navy.

5. **REFERENCE DOCUMENTS**

5.1 The standards and documents that have been referred to in these specifications are:

- a. ATTCC-20 Determination of Fiber Quality
- b. ISO-3801 Determination of mass per unit length and area.
- c. ISO-7211/2 Determination of number of thread per unit length.
- d. ISO-7211/5 Determination of linear density of yarn removed from fabric.
- e. ISO-105-C03 Colour fastness to Washing test No. 3.

6. **TERMS & DEFINITIONS**

6.1 Terms & Definitions used in this standard are given at Annex F.

**SPECIFIC REQUIREMENTS**

7. **TECHNICAL DETAILS**

7.1 The material/technical details of Soft Shoulder Stripes for Camouflage Dresses (Dress No 4B, SSG (N) & Pak Marine) are mentioned at Annexes A, B & C.

**8. DIMENSION/ DRAWING**

8.1 Dimension/ Drawing of Soft Shoulder Stripes are given at Annex D for Officers and at Annex E for CPOs.

**9. QUALITY OF WORKMANSHIP AND FINISHING**

9.1 Workmanship and finish of the tallies shall be equal to the sealed pattern. It shall be best of its class and to the entire satisfaction of the inspector.

**10. TESTING**

10.1 The material shall be subjected to tests laid down in these specifications. The material may also be subjected to such tests which are deemed necessary by the inspection authority in order to determine their suitability.

**11. ADVANCE SAMPLE**

11.1 Advance sample, when required, shall be submitted in accordance with terms of the contract for inspection, testing and approval. The minimum quantities required are given as under:

- |                             |   |                          |
|-----------------------------|---|--------------------------|
| • Finished Shoulder Stripes | - | 05 Nos. (For each Dress) |
| • Main fabric               | - | 03 Mtrs.                 |
| • Embroidery thread         | - | 50 Gms.                  |
| • Buckram                   | - | 02 Mtrs.                 |
| • Rexine                    | - | 01 Mtr                   |
| • Stitching Thread          | - | 50 Gms                   |

11.2 Approval of the above mentioned sample authorizes the commencements of bulk production, but does not relieve the manufacturers from compliance with all the provision of this specification.

**12. INSPECTION/ ACCEPTANCE OF STORES** Inspection/ acceptance is to be carried out to the satisfaction of Chief Inspector Naval Stores.

12.1 CINS reserves the right to reject the whole supply in case, upon examination, material or packing of any sample or portion of the consignment is found NOT CONFORMING to this specification.

12.2 If on examination 5% of any delivery, 20% of those examined from bulk supply are found NOT CONFORMING to this specification in respect of the pattern, dimensions, workmanship and finish, the whole consignment may be rejected without any compromise.

**13. RESPONSIBILITY FOR INSPECTION** The supplier is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. PN reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

14. **RESPONSIBILITY FOR COMPLIANCE** The inspection set forth in this specification shall become a part of the supplier's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to PN for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit PN to acceptance of defective stores (material).

15. **STAMPING OF ACCEPTED/ REJECTED STORES BY THE INSPECTOR**

15.1 Following instructions are to be followed:

15.2 **Stamping of Accepted Stores** Acceptable soft shoulder stripes shall be stamped with Inspector's Individual Acceptance Mark's. The stamping shall be legible.

15.3 **Stamping of Rejected Stores** The rejected soft shoulder stripes shall be marked with Inspector's Rejection Mark's to avoid re-submission by the supplier.

15.4 The Inspector is the authority in all matters pertaining to inspection.

16. **PACKING**

16.1 In addition to any special packing required by contract or order, packing requirements shall comply with the following details.

- Each sample of Soft Shoulder Stripes shall be neatly packed in polyester plastic bag.

17. **MARKING OF STORES**

17.1 In addition to any special marking required by contract or order, the marking of packages shall be stenciled with quick drying Black ink/ Paint in accordance with Specification No. NS/MISC/002/80

18. **DELIVERY**

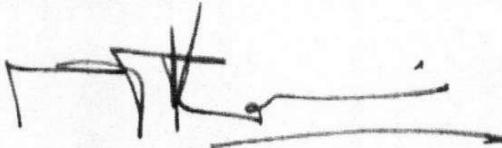
18.1 The consignment of store will be delivered in accordance with the terms of contract.

18.2 The store shall be delivered in Brand new, clean and dry condition.

18.3 The contractor / manufacturer is fully responsible for the safety of the supplies during inspection, storage at firms premises proper packing, dispatch and delivery up to consignee.

19. **FEED BACK PERFORMA**

19.1 To propose any amendment in specifications feed back performa is placed at Annex G.



**MUHAMMAD TAHIR KARIM**  
Captain Pakistan Navy  
Director

Annexes:

- A. Technical details of Soft Shoulder Stripes for Camouflage Dress No 4B.
- B. Technical details of Soft Shoulder Stripes for Camouflage Dress SSG (N).
- C. Technical details of Soft Shoulder Stripes for Camouflage Dress Pak Marines.
- D. Dimension/ Drawing of Soft Shoulder Stripes for Camouflage Dresses for Officer.
- E. Dimension/ Drawing of Soft Shoulder Stripes for Camouflage Dresses for CPOs
- F. Term & Definitions.
- G. Feed back Performa.

Distribution:

CINS

DP(N)

DNS

CO PN CSD

ANNEX A TO  
PN SPECIFICATION NO.05/14  
PROMULGATION DATE: 30/Oct/ 14

**TECH. DETAILS OF SOFT SHOULDER STRIPES FOR CAMOUFLAGE DRESS NO 4B**

S NO	ITEM	REQUIREMENT	
	<b><u>MAIN FABRIC</u></b>		
1.	Material	100% Cotton	
2.	Count of Yarn	Warp Weft	$21^s \pm 2$ (28 ± 2 Tex) $16^s \pm 2$ (37 ± 2 Tex)
3.	Thread per Inch	Warp Weft	$110 \pm 5$ (Ends) $56 \pm 5$ (Picks)
4.	Color	Light Grey Pantone # 15-4003 TCX	
5.	Weave Pattern	Rib Stop	
6.	Thread/Rib	Warp Weft	3 each single 3 each single
7.	Size of Rib	Warp Weft	6mm±1mm 6mm±1mm
8.	Weight (gm/sq.mtr)	210gm ± 10 gm	
9.	Dimensional Stability	Warp Weft	$\pm 2\%$ $\pm 2\%$
10.	Nature of Dye	Vat Dye	
11.	<b><u>Performance Test</u></b>		
	Color fastness to washing (Test No. 3) a. Change in Shade b. Staining	GS: 4 GS: 4	
	<b><u>EMBROIDERY THREAD</u></b>		
1.	Material	100% Viscose	
2.	Color	Black Pantone # 19-4006 TCX	
3.	Count of yarn	2/40	
4.	<b><u>Performance Test</u></b>		
	Color fastness to washing (Test No. 3) a. Change in Shade b. Staining	GS: 4 GS: 4	

ANNEX B TO  
PN SPECIFICATION NO.05/14  
PROMULGATION DATE: 30/Oct/14

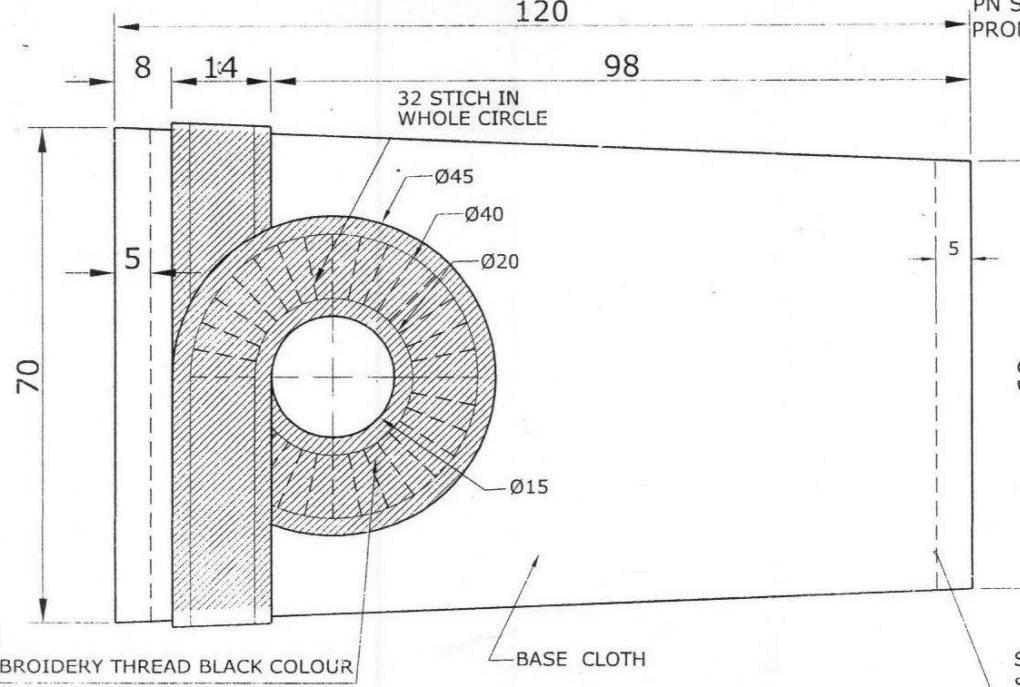
**TECH. DETAILS OF SOFT SHOULDER STRIPES FOR DRESS SSG (N)**

S NO	ITEM	REQUIREMENT	
	<b>MAIN FABRIC</b>		
1.	Material	100% Cotton	
2.	Count of Yarn	Warp Weft	21 <sup>s</sup> ± 2 (28 ± 2 Tex) 16 <sup>s</sup> ± 2 (37 ± 2 Tex)
3.	Thread per Inch	Warp Weft	110 ± 5 (Ends) 56 ± 5 (Picks)
4.	Color vide DID Letter PN/DID/GENERAL/1751533 dt 06-12-22	Khaki Pantone # 17-0620 TCX	
5.	Weave Pattern	Rib Stop	
6.	Thread/Rib	Warp Weft	3 each single 3 each single
7.	Size of Rib	Warp Weft	6mm ± 1mm 6mm ± 1mm
8.	Weight (gm/sq.mtr)	210gm ± 10 gm	
9.	Dimensional Stability	Warp Weft	±2 % ±2 %
10.	Nature of Dye	Vat Dye	
11.	<b>Performance Test</b>  Color fastness to washing (Test No. 3)  a. Change in Shade b. Staining	GS: 4 GS: 4	
	<b>EMBROIDERY THREAD</b>		
1.	Material	100% Viscose	
2.	Colour	Black Pantone # 19-4006 TCX	
3.	Count of yarn	2/40	
4.	<b>Performance Test</b>  Color fastness to washing (Test No. 3) a. Change in Shade b. Staining	GS: 4 GS: 4	

ANNEX C TO  
PN SPECIFICATION NO.05/14  
PROMULGATION DATE: 30/Oct/14

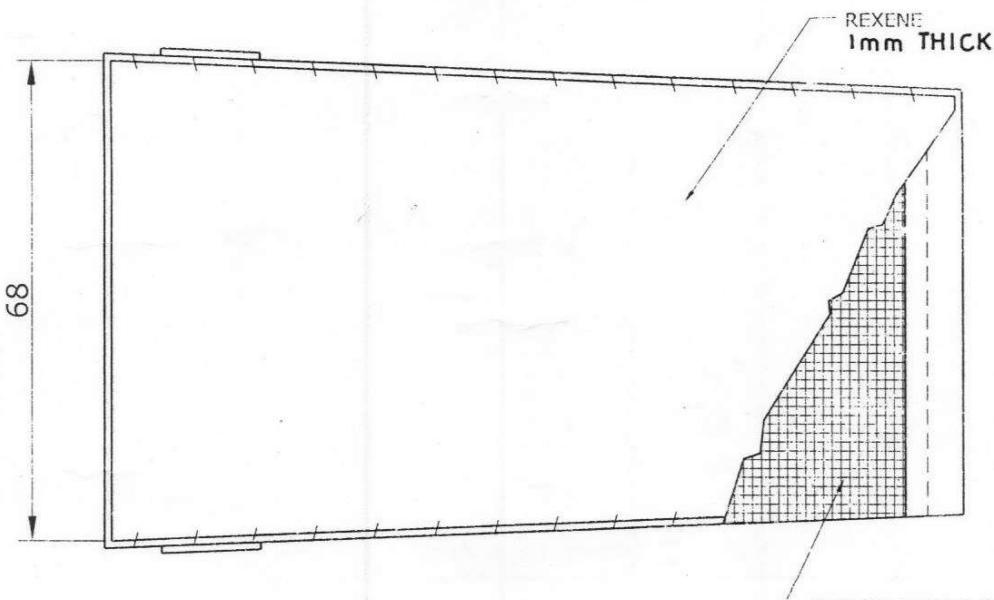
**TECH. DETAILS OF SOFT SHOULDER STRIPES FOR DRESS PAK MARINES**

S NO	ITEM	REQUIREMENT	
1.	Material	100% Cotton	
2.	Count of Yarn	Warp Weft	21 <sup>s</sup> + 2 (28 + 2 Tex) 16 <sup>s</sup> + 2 (37 + 2 Tex)
3.	Thread per Inch	Warp Weft	110 +5 (Ends) 56 +5 (Picks)
4.	Color	Khaki Pantone # 16-0726 TCX	
5.	Weave Pattern	Rib Stop	
6.	Thread/Rib	Warp Weft	3 each single 3 each single
7.	Size of Rib	Warp Weft	6mm+1mm 6mm+1mm
8.	Weight (gm/sq.mtr)	210gm ± 10 gm	
9.	Dimensional Stability	Warp Weft	+2 % +2 %
10.	Nature of Dye	Vat Dye	
11.	<b><u>Performance Test</u></b>  Color fastness to washing (Test No. 3)  a. Change in Shade b. Staining	GS: 4 GS: 4	
	<b><u>EMBROIDERY THREAD</u></b>		
1.	Material	100% Viscose	
2.	Colour	Black Pantone # 19-4006 TCX	
3.	Count of yarn	2/40	
4.	<b><u>Performance Test</u></b>  Color fastness to washing (Test No. 3)  a. Change in Shade b. Staining	GS: 4 GS: 4	



FRONT VIEW

STITCHING WITH  
SAME THREAD  
AS BASE CLOTH  
**8-10 STITCH  
PER 2 CM**

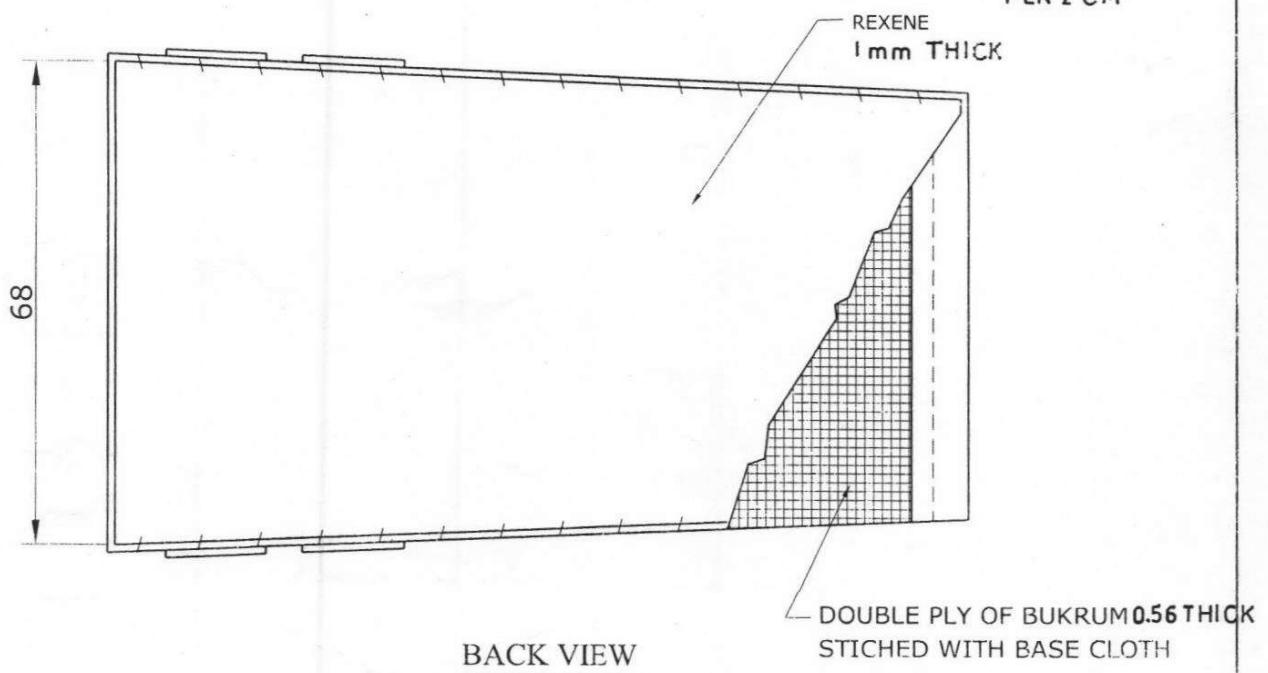
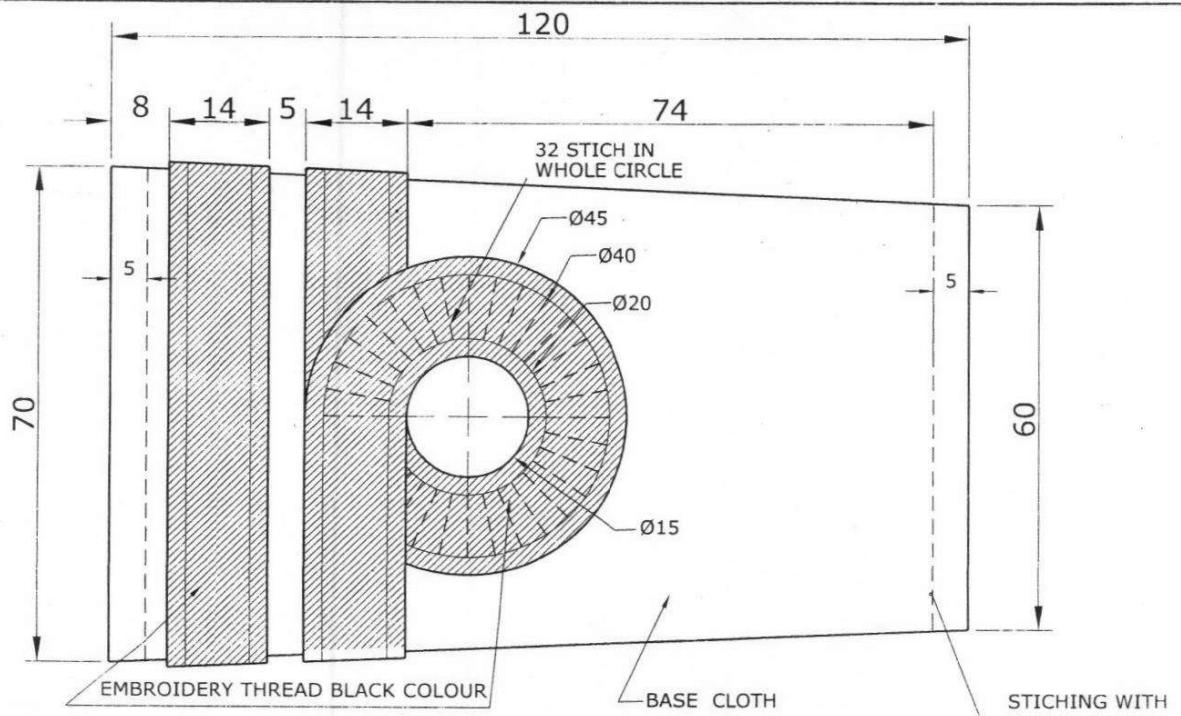


BACK VIEW



NOTE:  
FOR FURTHER DETAILS SEE STOCK SAMPLE

DITD KARACHI		
TITLE: SOFT SHOULDER STRIPE CAMOUFLAGE (SUB LIEUTENANT)		DIMENSIONS: mm
DWG.NC. TD-2267/2014		SCALE: 1:1
DATE:	11-09-2014	
DRAWN BY	CHECKED BY	APPROVED BY
N. ABIDEEN D/MAN	LT ASMA SOHAIL SO, R&D	CAPTAIN M. TAHIR KARIM DITD



NOTE:  
FOR FURTHER DETAILS SEE STOCK SAMPLE

## DITD KARACHI

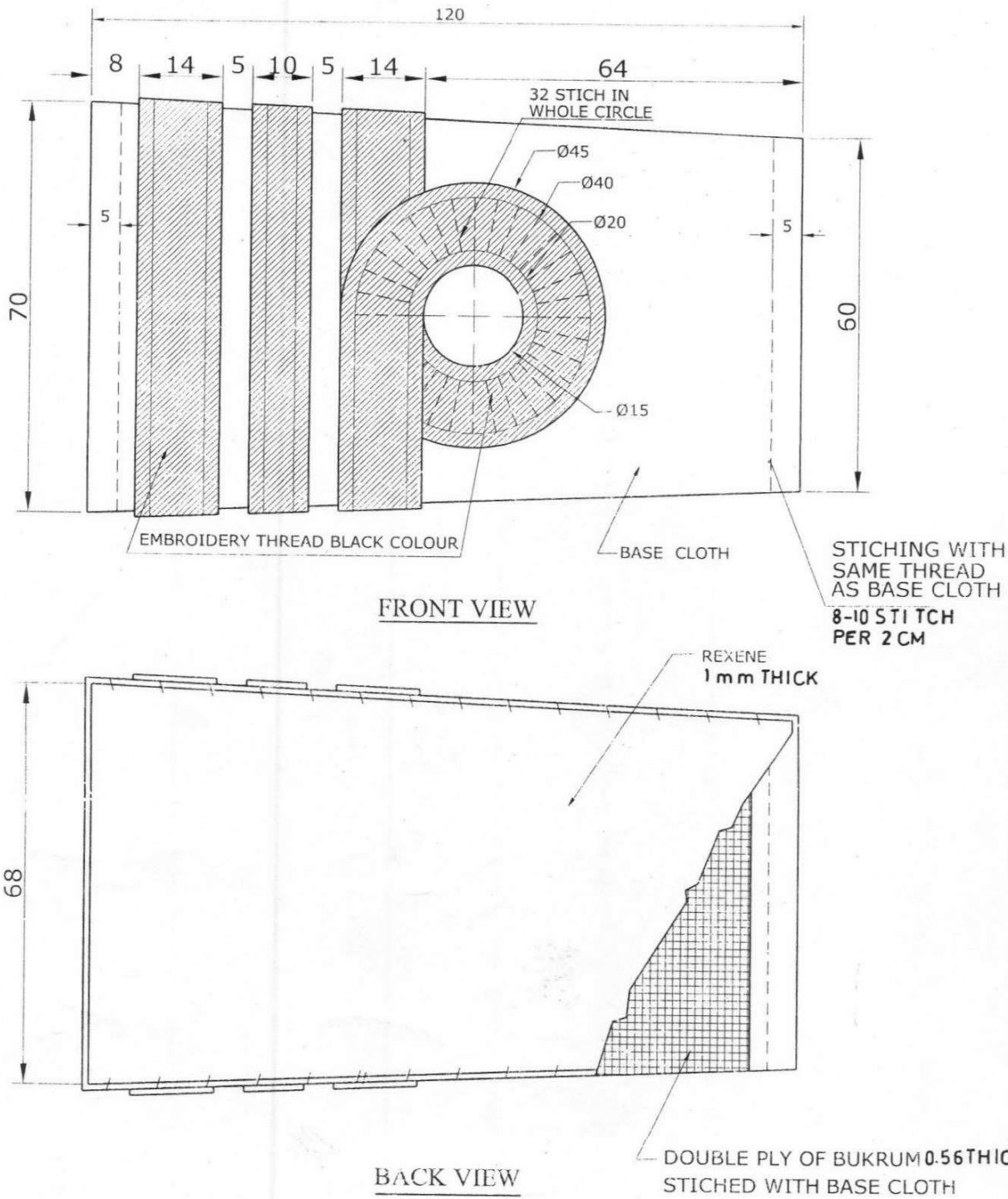
TITLE: SOFT SHOULDER STRIPE  
CAMOUFLAGE (LIEUTENANT)

DWG.NO. TD-2268/2014 DIMENSIONS: mm  
DATE: 25-09-2014 SCALE: 1:1

DRAWN BY  
*N. Abideen*  
N. ABIDEEN  
D/MAN

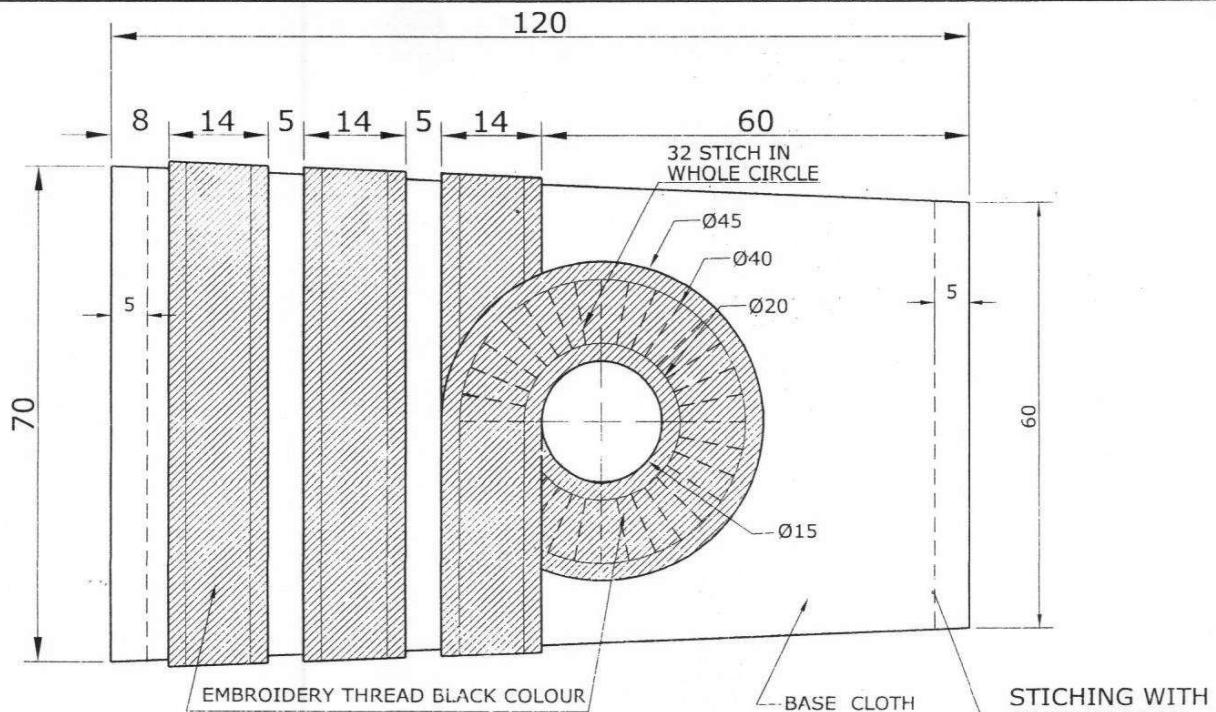
CHECKED BY  
*Lt Asma Schail*  
LT ASMA SCHAIL  
SO, R&D

APPROVED BY  
*Captain M. Tahir Karim*  
CAPTAIN M. TAHIR KARIM  
DITD



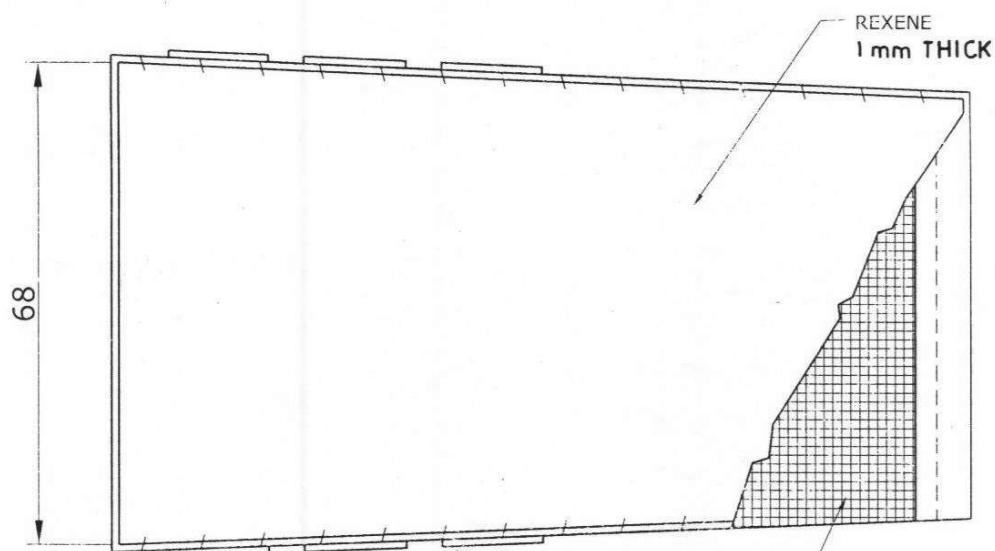
NOTE:  
FOR FURTHER DETAILS SEE STOCK SAMPLE

DITD - KARACHI		
TITLE: SOFT SHOULDER STRIPE CAMOUFLAGE (LT COMMANDER)		
DWG.NO. TD-2269/2014	DIMENSIONS: mm	
DATE: 25-09-2014	SCALE: 1:1	
DRAWN BY <i>M. ABIDEEN</i> D/MAN	CHECKED BY <i>LT ASMO SOHAIL</i> SO, RSD	APPROVED BY <i>CAPTAIN M.TAHIR KARIM</i> DITD



FRONT VIEW

STITCHING WITH  
SAME THREAD  
AS BASE CLOTH  
8-10 STITCH  
PER 2 CM



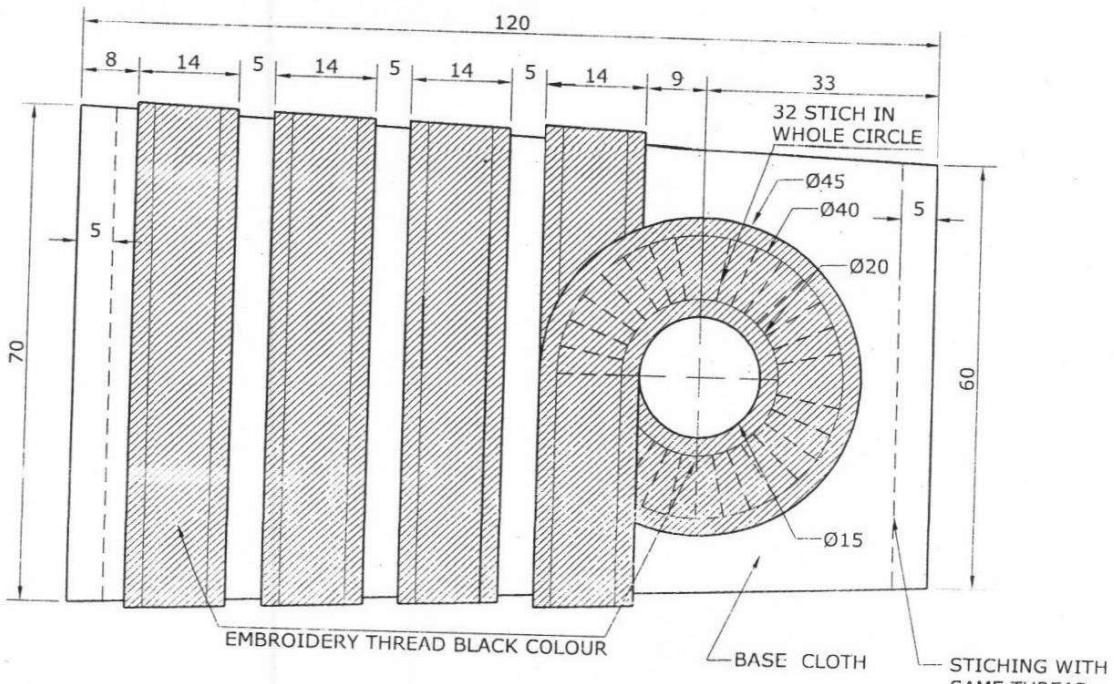
BACK VIEW

DOUBLE PLY OF BUKRUM 0.56 THICK  
STITCHED WITH BASE CLOTH

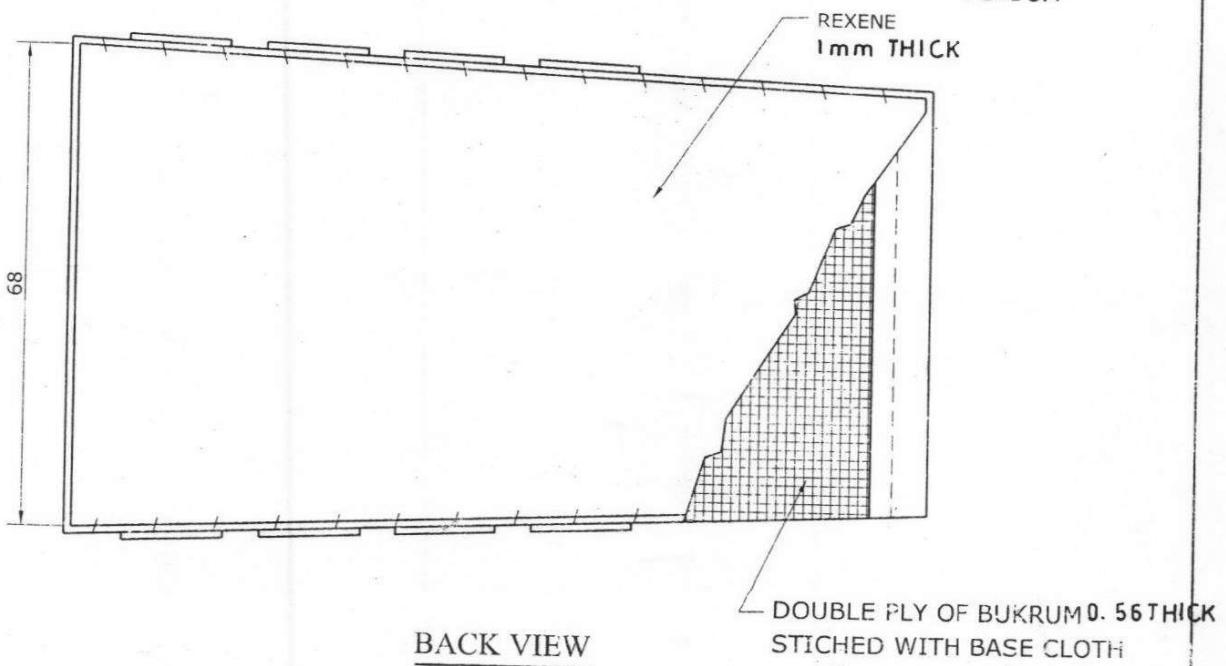


NOTE:  
FOR FURTHER DETAILS SEE STOCK SAMPLE

<b>DITD KARACHI</b>		
TITLE: <b>SOFT SHOULDER STRIPE CAMOUFLAGE ( COMMANDER )</b>		
DWG. NO.	TD-2270/2014	DIMENSIONS: mm
DATE:	29-09-2014	SCALE: 1:1
DRAWN BY 	CHECKED BY 	APPROVED BY 
N. BIDEEN D/MAN	LT ASMA SOHAIL SO, R&D	CAPTAIN M. TAHIR KARIM DITD



FRONT VIEW



BACK VIEW



NOTE:  
FOR FURTHER DETAILS SEE STOCK SAMPLE

## DITD KARACHI

TITLE: SOFT SHOULDER STRIPE  
CAMOUFLAGE (CAPTAIN)

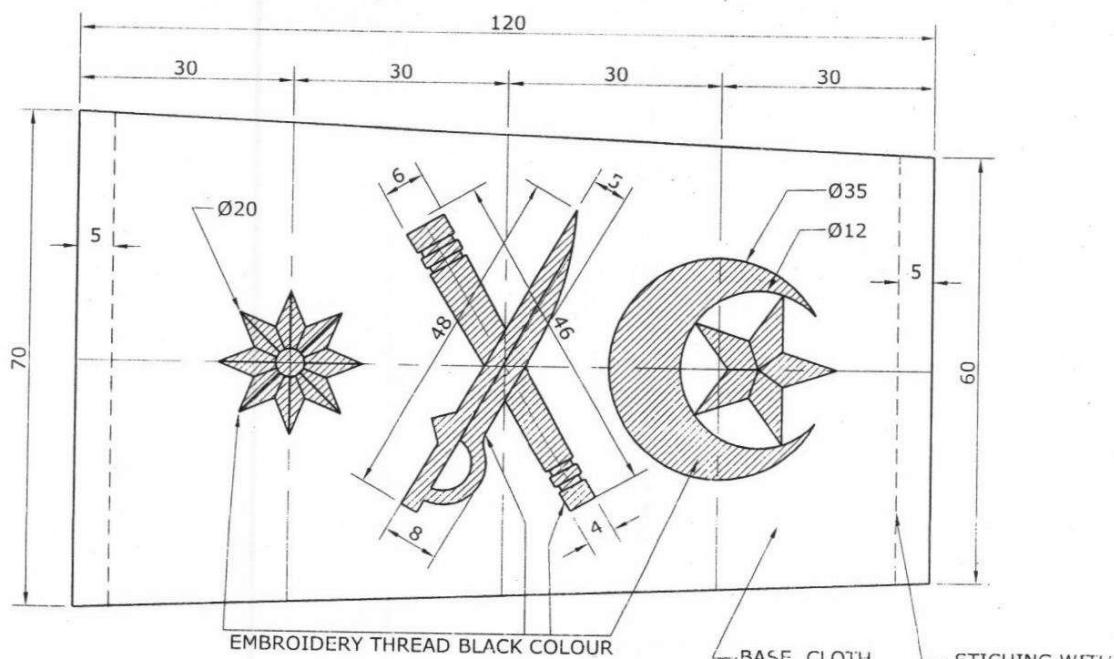
DWG.NO. TD-2271/2014 DIMENSIONS: mm

DATE: 29-09-2014 SCALE: 1:1

DRAWN BY  
*N. Abideen*  
N. ABIDEEN  
D/MAN

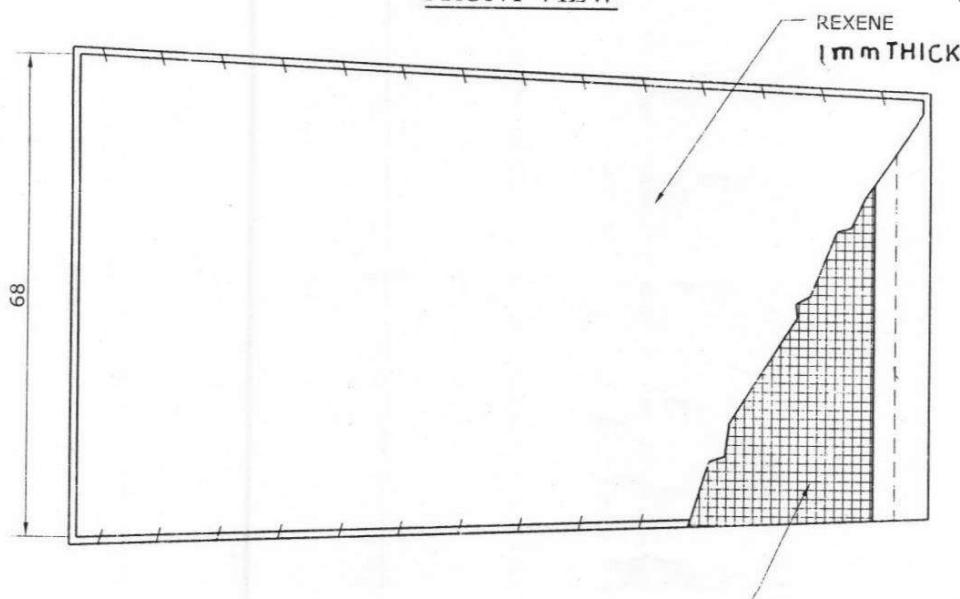
CHECKED BY  
*Lt Asma Zohail*  
LT ASMA ZOHAIL  
SO, R&D

APPROVED BY  
*Captain M.Tahir Karim*  
CAPTAIN M.TAHIR KARIM  
DITD



FRONT VIEW

STITCHING WITH  
SAME THREAD  
AS BASE CLOTH  
**8 TO 10 STITCH  
PER 2 CM**



BACK VIEW



NOTE:  
FOR FURTHER DETAILS SEE STOCK SAMPLE

<b>DITD KARACHI</b>		
TITLE: <b>SOFT SHOULDER STRIPE CAMOUFLAGE (CDRE)</b>		
DWG.NO. TD-2272/2014		DIMENSIONS: mm
DATE: 29-09-2014		SCALE: 1:1
DRAWN BY 	CHECKED BY 	APPROVED BY 
N. ABIDEEN D/MAN	LT ASMA SOHAIL SO, R&D	CAPTAIN M.TAHIR KARIM DITD

ANNEX F TO  
PN SPECIFICATION NO.05/14  
PROMULGATION DATE: 30 Oct/14

**TERMS & DEFINITIONS**

1. **Inspection Authority** Chief Inspector of Naval Stores (CINS). His verdict in respect of inspection matters is to be taken as final.
2. **Inspecting Officer** An officer nominated by the Chief Inspector of Naval Stores (CINS) for carrying out inspection of stores supplied by the supplier, against a specified contract or order, in accordance with the particulars stipulated therein.
3. **Inspector** The term inspector shall include the "Inspection Authority", inspecting officer and their representatives, duly authorized for the purpose of discharging inspection duties involved.
4. **Sealed Pattern** It denotes a pattern, sealed and signed by the Inspection Authority & held in his custody, and represents the standard of store in respect of materials, dimensions, design, workmanship and finish, etc. There is only one sealed pattern for each store, which cannot be removed from custody of the inspection authority.

ANNEX F TO  
PN SPECIFICATION NO.05/14  
PROMULGATION DATE: 30/07/14

### TERMS & DEFINITIONS

1. **Inspection Authority** Chief Inspector of Naval Stores (CINS). His verdict in respect of inspection matters is to be taken as final.
2. **Inspecting Officer** An officer nominated by the Chief Inspector of Naval Stores (CINS) for carrying out inspection of stores supplied by the supplier, against a specified contract or order, in accordance with the particulars stipulated therein.
3. **Inspector** The term inspector shall include the "Inspection Authority", inspecting officer and their representatives, duly authorized for the purpose of discharging inspection duties involved.
4. **Sealed Pattern** It denotes a pattern, sealed and signed by the Inspection Authority & held in his custody, and represents the standard of store in respect of materials, dimensions, design, workmanship and finish, etc. There is only one sealed pattern for each store, which cannot be removed from custody of the inspection authority.