



POF 1262-A
(INDIGENOUS
SUPPLIES)

Government of Pakistan
PAKISTAN ORDNANCE FACTORIES
TENDER ENQUIRY

To M/s _____

Dear Sirs,

Reference : TENDER ENQUIRY NO. **0193/LP/FILL/54**

DATED **17-OCT-24**

You are requested to submit quotations for the item(s) noted in the Schedule to the Tender. Please note the following instructions for filling the tender:-

1. SUBMISSION OF TENDER

- 1.1 Tenders will be opened at **12:00 hours** on **14-DEC-24** at Bid Centre adjacent to Rabita Hall, POF Wah Cantt. Quotation must be submitted electronically on **www.ebidding.pof.gov.pk** as well as in hard form (duly sealed in envelope) before 30 minutes of opening time. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring a letter of authority from you.

Tender Enquiry No: **0193/LP/FILL/54**

Tender to be opened on: **14-DEC-24**

Address as follows:-

(www.ebidding.pof.gov.pk) BID CENTER

ADJACENT TO RABITA HALL

POFs, WAH CANTT.

2. GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS

- 2.1 **For Materials**, the prices should be filled in column 5 and delivery date in column 7 of the schedule to this Tender Enquiry. As per **PPRA Rule 36(b)**, **Single Stage two envelope method** will be utilized for "Open competitive bidding." Moreover, technical & commercial evaluation of Bids will be carried out strictly as per PPRA rules and contract(s) will be awarded to the most advantageous bidder(s).
- 2.2 **For Plant and Machinery**, you are required to quote in two parts:-
Part I "Technical Offer": It should exclusively give technical details and literatures/brochures of the offered plant, machinery and equipment; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.

Cont....P-2

Part II "Commercial Offer": It should indicate the commercial terms e.g. price, terms of payment, mode of payment, mode of supply.

- 2.3 The quotation must remain valid for, at least 90 days from the date of opening of commercial tenders, extendable if so desired.
- 2.4 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the Tenderers on their request.
- 2.6 Conditional offers or alternative offers are likely to be ignored.
- 2.7 Quotations should be based on:-

F.O.R. station of dispatch basis, i.e. delivered free on rail, inclusive of packing and forwarding charges. The stores will be booked under Military Credit Note, to be provided by the purchaser.

and/or

Free delivery at POF's stores at **WAH CANTT**

In this case Octroi duty, will be payable by the supplier.

- 2.8 Taxes and Duties etc. where applicable, must be shown separately, quoting references to Registration No. in cases of Sales Tax and relevant authority in the case of others. Offers without these clarifications and inclusive of Taxes and Duties may be ignored.
- 2.9 Taxes and duties levied on or after Tender opening date or on or after the date offer was signed and dispatched will be allowed to include in the offered rates.
- 2.10 "Suppliers will furnish a certificate, issued by Excise & Taxation deptt., that he has cleared all Professional Tax payable by him" offers received without this certificate will be rejected.
- 2.11 Suppliers will render necessary information regarding hazardous effects on environment, of the material/products supplied by them, in their quotations and shipping/dispatch documents.
- 2.12 If the requisite information is not furnished on the T.E forms or offer received is not conformity with the requirement of the T.E such offer shall be ignored.

3. INSPECTION

- 3.1 Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost. Inspection facilities such as tools, test equipment, instruments etc will, however, be provided by the Suppliers in accordance with the relevant specifications.
- 3.2 Where considered necessary by the Purchaser, stores may be obtained on Warranty/Guarantee subject to inspection on receipt. Rejected stores will be removed and replaced with the acceptable stores by the Supplier at his own expense, within a specified time.

4. TENDER FEE

The tender must be accompanied by a copy of non-refundable fee by means of a crossed postal order/pay order for Rs. 500/- in favour of: **Director-Admin-POFs, Wah Cantt.** The tender fee instrument in original must be provided on day/date of tender opening in the Bid Center.

4.1 TENDER SAMPLE

Where required, offer must accompany tender sample., strictly according to the description and specification given in Tender Enquiry. Offer not accompanied by tender sample will NOT be entertained excepting the established and reputable firms who have either previously satisfactorily supplied the same or similar stores or have submitted an acceptable sample thereof against previous T.E.

5. BID Security

5.1 A copy of Bid Security should accompany the tender in shape of deposit at call receipt/Pay Order/Banker Cheque from scheduled bank drawn in favour of :-

GM PP&C FILL

5.2 Bid security instrument in original must be provided on the day/date of tender opening in the Bid Center as under:

- a. Registered/indexed firms including foreign firms - 2% of quoted value subject to the maximum ceiling of Rs. 0.5 Mn.
- b. Registered/un-indexed firms including foreign firms - 3% of quoted value subject to the maximum ceiling of Rs. 0.75 Mn.
- c. Unregistered Firms including foreign firms - 5% of quoted value subject to the maximum ceiling of Rs. 1.00 Mn.
- d. Govt organization/production units/state owned enterprises/welfare projects of Svcs HQ - Rs 0.50 M. can be waived off on request by DG(C)
- e. Bid money will be returned to unsuccessful (less first three lowest quotee firms) bidders on opening of commercial offers
- f. Bid money will be returned to successful bidders on submission of performance bond/unconditional B.G.
- g. Quotation accompanied with less bid money will be accepted on provisional basis for 10 x days after opening of bids. However the firms are bound to provide/furnish the balance bid money within 10 x days after opening of bid otherwise such quotations will be ignored or rejected
- h. Offers received without Bid Security will not be entertained.
- i. Bid money will be forfeited in case the quotation is withdrawn before the expiry of its validity date.

6. ACCEPTANCE OF OFFERS

6.1 POF may reject all bids or proposals at any time prior to the acceptance of bid(s) or proposal, but is not required to justify grounds for its rejection. POF shall incur no liability towards supplier or contractor who have submitted bids or proposals.

6.2 PERFORMANCE BOND

- (a) The successful bidders shall provide performance bond which shall not exceed 10% of contract value, in the form of Deposit At Call Receipt from a scheduled Bank; or, an un-conditional Bank Guarantee on a prescribed format. The performance Bond will be in favour of C.M.A.(POF) Wah Cantt. It will be returned on satisfactory completion of contract.
- (b) If the Supplier fails to furnish the Performance Bond within the specified time, such failure will constitute a breach of the contract and the Purchaser shall be entitled to make other arrangements for purchase of the stores at the risk and expense of the Supplier.

6.3 Performance Bond from State owned organizations may be waived off at the discretion of the Purchaser.

6.4 **FAILURE TO SUPPLY THE STORES**

All deliveries must be completed by the specified date. In case of failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and/or claim liquidated damages upto 2% but not less than 1% of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of 10% of the total contract value of the particular stores which remained unsupplied either in part or in full: or, to purchase from elsewhere, the unsupplied stores at the risk and cost of the supplier.

6.5 **PAYMENT**

Payment will be made by the CMA (POF) through crossed cheque on receipt/acceptance of stores on our prescribed bill form supported by receipt voucher on part/full supply basis.

(a) Payment of duties/Taxes including professional tax (where applicable) must be supported by proof of having paid these to concerned Govt. Taxation Deptt.

7. **SECURITY OF INFORMATION**

The tenderer and his employees must not communicate any information relating to the sale/purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorised in writing by POFs to receive it.

Please return the Schedule to the Tender duly signed by the specified date, along with the specifications, drawings etc. if any, enclosed herewith - even if you are unable to quote.

WARNING In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further tender enquiry may be issued to them and their names would liable to removed from the approved list.

Yours faithfully

SUMAIRA YAMIN
MANAGER PURCHASE FILL

for PAKISTAN ORDNANCE FACTORIES

PAKISTAN ORDNANCE FACTORIES

SCHEDULE TO TENDER NO. 0193/LP/FILL/5417-OCT-24(1) FOR MATERIALS

(1)	(2)	(3)	(4)	(5)	(6)		(7)
Item No.	Description with Specs. etc.	Unit	Qty	Quoted Value	Price Per Unit FOR or free delivery		Delivery Date
					In Figures	In Words	

1	CLOTH COMPRESSED FELT WOOL WHITE LEAD FREE 1320 MM WIDE X 3.17 MM THICK , TYPE QX PATTERN T-1115C SPEC. NO. DEF-STAN 83-19 (PART-4) ISSUE 1	SQ.M	430				IMMEDIATE
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Total Rs =	
+ GST =	
Total value Rs =	

(2) For Plant & Machinery:
Specification:-

(3) **Special Conditions**

(1) Required Delivery period: 03 Months after placement of contract.

(2) Inspection of store will be carried out by DIRECTOR QA POF Wah Cantt and 05% Super check by user section.

(3) Firms registered with Sales Tax and Income Departments who are on Active Taxpayers List (ATL) of FBR are eligible to participate in the bid. Documentary proof of the same must be attached with the bid.

(4) Firms registered with Sales Tax and Income Departments who are on Active Taxpayers List (ATL) of FBR are eligible to participate in the bid. Documentary proof of the same must be attached with the bid.

(5) The tender received without electronic means will not be entertained. You may witness the opening of tender if you so desire. If a representative is deputed, he should bring a letter of authority.

(6) Hard copy of both technical & financial quotations must also be reached to Bid Centre before tender opening. Photocopy of bid money hiding the amount must be accompanied with technical quotation.

(7) Validity period will be considered after opening of commercial offer.

(8) Quotation must remain valid at least for 90 days from date of commercial opening and should hold good for any reduced or enhanced quantity.

(9) Photocopy of NTN & PTC Certificate duly attested by Gazetted Class-I Officer must be attached with the bid.

(10) Participating firms should have not defaulted in any contract with POF or any other govt. organization.

(11) Bids will be opened as per PPRA Rule 36 (b) "Single Stage-Two Envelope Procedure" in which the bid shall comprise of two separate envelopes: Technical proposal and commercial proposal. Initially only Technical Offer will be opened.

(12) Price escalation clause is not allowed. No fax or e-mail offer will be accepted.

(13) Supplier must accept all the terms and conditions embodied in the form POF 1281 (General conditions of contract) and in T.E general instructions Performa form POF 1262 A (indigenous supplies).

(14) Rates and sales Tax must be shown separately otherwise rate will be considered inclusive of G.S.T.

(15) Please clearly confirm our specs / drawing. Conditional or alternative offers are likely to be ignored.

(16) The store must be protected adequately and appropriately against damages from environmental effects, water or other substances during journey/transportation to withstand the rough handling involved in the transit and provide preservation of store while held in the storage by the supplier.

(17) Any quantity of store, if found defective functionally will essentially be replaced by the supplier free of cost under his own arrangements.

(18) The firm will furnish warranty/ Guarantee for 01 year.

(19) The firm will be liable to deposit of stamp duty @ 0.25% of contract value to respective revenue

PAKISTAN ORDNANCE FACTORIES

SCHEDULE TO TENDER NO. 0193/LP/FILL/54

17-OCT-24

(1)	(2)	(3)	(4)	(5)	(6)		(7)
Item No.	Description with Specs. etc.	Unit	Qty	Quoted Value	Price Per Unit FOR or free delivery		Delivery Date
					In Figures	In Words	

office.

Undertaking

Should our offer be accepted, we hereby undertake to supply the stores/render the services contracted on the basis of General Conditions of Contract embodied in Form POF 1281, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the stores/services elsewhere at our risk and cost.

Place _____
 Date _____

Signature of the Tenderer _____
Name _____
Position _____
Address _____
Income Tax G.I.R. No _____
Official Stamp _____



Ministry of Defence

Defence Standard

83-19(PART 4)/Issue 1

30th July 1979

**CLOTHS, COMPRESSED FELTS,
WOOL, AND BLENDED WOOL**

PART 4: TYPE QX

AMENDMENT RECORD

AMENDMENT NUMBER	DATE	SIGNATURE
1	1 October 1979	D Stan 9

REVISION NOTE

The felts in this specification were previously listed in DEF STAN 83-19 (PART 1)/1 which contained both QX and non QX felts. The QX felts have now been separated and are contained in this Standard. Non QX felts are listed in DEF STAN 83-19 (PART 1)/2.

HISTORICAL NOTE OF PREVIOUS SUPERSESSIONS

Tables C and D of DEF STAN 83-19 (PART 1)/1 superseded Specifications K 1235 and L 10189.

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Published by and obtainable from:
Ministry of Defence
Directorate of Standardization
First Avenue House
High Holborn
London WC1V 6HE

D/D STAN/83/10/2 (STAN 9)

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DEF STAN 83 - 19 (PART 4)/1

CLOTHS, COMPRESSED FELTS, WOOL, AND BLENDED WOOL.

PART 4: TYPE QX

This Defence Standard supersedes
Tables C and D of Defence
Standard 83-19 (PART 1), Issue 1
dated 27 May 1975

1. This Defence Standard specifies the materials, method of test, and other requirements for cloths, compressed felts, wool, and blended wool, type QX for Ministry of Defence use for ammunition purposes.
2. This Standard is solely concerned with felts for ammunition purposes. Felts used for general purposes are specified in 83-19 (PART 1); decorative felts are specified in 83-19 (PART 2); and felts used for aerospace purposes in 83-19 (PART 3).
3. Table I lists the standard range from which selection is to be made for all future requirements. There is no Table II as it is not appropriate to this type of store. Table III lists items no longer to be provisioned.
4. This Standard has been prepared because there is no suitable national or any other standard acceptable to the Ministry of Defence available.
5. This Standard contains all necessary technical information and it is the definitive specification for this material. It must be invoked for all tender and contract purposes.
6. This Standard has been agreed by all authorities concerned who are to implement it from its date of issue.
7. If this Standard should be found unsuitable for a particular requirement, the Director of Standardization shall be informed of the circumstances. Any enquiries regarding this Standard in relation to an invitation to tender or a contract in which it is invoked should be addressed to the Quality Assurance Authority named in that invitation to tender or contract.

SPECIFICATION FOR
CLOTHS, COMPRESSED FELTS, WOOL, AND BLENDED WOOL,
PART 4: TYPE QX

1. SCOPE

a. This Standard relates to compressed felts mainly of wool in a range of thicknesses, fibre compositions, densities, and chemical purity, and of a quality suitable for ammunition purposes.

b. The designation type QX indicates that the material is of a quality suitable for certain applications where a high degree of compatibility with explosives is a requirement. However, its compatibility with all explosives in all environments has not been established, and Design Authorities should therefore seek advice from:

The Director
Propellants, Explosives and Rocket Motor Establishment
Powdermill Lane
Waltham Abbey
Essex.

on particular applications.

2. RELATED DOCUMENTS

a. Reference is made in this Standard to:

BS 1051	'Glossary of terms relating to the conditioning and testing of textiles'
BS 2087	'Preservative textile treatments'
BS 3266	'Method for the determination of conductivity, pH, water soluble matter, chloride and sulphate in aqueous extracts of textile materials'
BS 3900: PART B4	'Method of test for paints, PART B4: Determination of lead in low-lead paints and similar materials'
BS 4060	'Pressed wool felts'
BS 4407	'Methods of test. Quantitative analysis of fibre mixtures'
DEF STAN 83-19	'Cloths, compressed felts, wool, and blended wool: PART 1 : Felts for general purposes PART 2 : Felts, wool, for decorative purposes PART 3 : For aerospace purposes'

2. b. Reference in this Defence Standard to any Related Document means, in any tender or contract, the edition current at the date of such tender or contract unless a specific issue is indicated.

c. Copies of British Standards may be obtained from:

(1) British Standards Institution (Sales Branch)
Newton House
101 Pentonville Road
LONDON
N1 9NB

(2) British Standards Institution
10 Blackfriars St
MANCHESTER M3 5DT

d. Copies of Defence Standards are obtainable from:

Ministry of Defence
Directorate of Standardization (Stan 13)
First Avenue House
High Holborn
LONDON
WC1V 6HE

3. STANDARD PATTERNS

The Standard Patterns referred to in Table I, obtainable from the Authority named in the tender or contract, shall constitute the standard as regards any particulars of properties not defined in this Standard.

4. INFORMATION TO BE SUPPLIED BY THE PURCHASER

Contracts which quote this Standard shall specify:

- a. The NATO stock number.
- b. The item name, description and thickness.
- c. The Pattern Number.
- d. Details of the proofing process, if required. Reference shall normally be made to BS 2087.

5. DEFINITIONS

The cloths in this Standard are defined in BS 4060.

6. MATERIALS

- a. The felt shall be manufactured from the materials as defined in Table I.
- b. The felt shall be free from non-fibrous agents, eg stiffening, loading, or reinforcing agents of any kind.

7. MANUFACTURE

- a. The fibres shall be adequately blended, carded, and felted, to form a uniform product.
- b. Each manufactured piece shall be uniform in thickness and density within the tolerances specified in Table I.
- c. The width of any piece shall be not less than that required by the contract. The variation of width in any one piece shall not exceed 4%.
- d. The felt shall be as free as practicable from ridges and creases, and shall have straight edges.

8. FINISHING

Where rot-proofing is a requirement, it shall be in accordance with Table I.

9. INSPECTION, SAMPLING AND TESTING

a. Inspection.

Each piece of felt shall be inspected for visible defects. The acceptance standard to be applied shall be at the discretion of the Quality Assurance Authority.

b. Sampling.

- (1) The scale of sampling shall be at the discretion of the Quality Assurance Authority, but unless otherwise specified in the contract or order one sample of the felt shall be selected for tests to the full requirements of the specification, representative of each manufactured lot of 200 square metres or less.
- (2) Each sample for testing shall consist of a strip not less than 150 mm wide across the full width of the piece. For the thin felts a larger sample may be required to provide test pieces of adequate mass.
- (3) In the event of non-compliance with the specified date any re-sampling shall be at the discretion of the Quality Assurance Authority named in the contract or order.

c. Testing.

(1) Conditioning.

- (a) Samples shall be conditioned for both physical and chemical testing, as defined in BS 1051. All specimens for physical test shall be cut not less than 100 mm from the lists.

9. c. (1) (b) In case of dispute, samples shall be pre-conditioned for 4 hours at a relative humidity not exceeding 10% at a temperature not greater than 50°C and subsequently exposed to the standard temperate atmosphere for testing as defined in BS 1051 for at least 24 hours, and tested without removal from that atmosphere.

(2) Assessment of compliance.

Finished felts shall comply with the requirements specified in Table I, when tested by the methods quoted therein.

(3) Chemical purity.

- (a) In respect of chemical purity the finished felts shall comply with the requirements shown in the Annex. Any modification of these requirements which may be necessary when special finishing processes are applied shall be specified in the contract.
- (b) In the selection and preparation of test specimens a strip or strips of felt shall be cut from the test sample along the dimensions representing the full width of the fabric in sufficient amount to provide more than the total mass required to perform all the different chemical tests. The whole of the strip or strips shall be cut into cubes having sides of not more than 6 mm and all these pieces shall be thoroughly mixed. The specimens for analysis shall be taken from this prepared sample.

Notes:

1. With felts, adequate penetration and interchange of extracting liquids may not be obtained if the test samples are not cut into small pieces.
2. Expression of results.
 - (a) The pH of the extract shall be expressed in the conventional units.
 - (b) All other results shall be expressed as percentages of the mass of the conditioned material.
 - (c) Water soluble chlorides shall be expressed as NaCl (BS 3266 clause 7.4.1)
 - (d) Water soluble sulphates shall be expressed as Na_2SO_4 (BS 3266 clause 7.5)

9. c. (4) Rot-proofing.

- (a) The content of the rot-proofing agent shall be determined by the method described in BS 2087 (see clause 8 of this Standard).
- (b) When rot-proofing is required, it shall be done by the pentachlorophenyl laurate (PCPL) process. The amount of proofing shall be as required for the normal process described in BS 2087.

(5) Fibre content.

The wool content of each piece shall be determined by the method described in BS 4407: 'Binary mixtures of certain protein fibres (wool, animal hair, silk, or protein) and certain other fibres (method using alkaline sodium hypochlorite)'. The fibre content is to be based on the clean dry fibre weight.

(6) Lead content.

- (a) Felts are required to be 'lead-free' and shall not contain more than 0.03% of lead or lead compounds calculated as Pb.
- (b) The lead content shall be determined by an approved method. BS 3900 Part B4 has been found to be suitable.

10. MARKING

A drop ticket shall be attached to each piece bearing the following:

Contractor's name, initial or recognised trade mark.
Contract number.
Year of manufacture.
Dimensions of the piece or sheet.
Batch numbers.
NATO Stock Number.
Pattern number and thickness.
Item name and description.

and in addition such other markings as the contract or order may direct.

11. DELIVERY

The felt shall be delivered rolled, or in flat sheets, as required by the contract, and in a clean and air dry condition.

12. PACKAGING

Packaging shall be in accordance with the terms of the contract.

NOTES APPLICABLE TO THE TABLES

1. For the purpose of recording Service management interest the Table I and Table III items should be treated as being applicable to all three Services.
2. The Navy management code for felt is 0462, therefore the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code, eg 0462/942-2009.
3. The Army management code for felt is H4, therefore the full Army number is the NATO Stock Number prefixed by that code, eg H4/8305-99-942-2009.
4. The Air Force management code for felt is 32B, therefore the full Air Force number is the last seven digits of the NATO Stock Number prefixed by that code, eg 32B/9422009 (the number is not hyphenated).
5. - indicates that the column heading does not apply.
6. RR indicates rotproof.
7. LF indicates 'lead-free' within the limits defined in sub-clause 9c(6).

TABLE I
STANDARD RANGE
CLOTHS, COMPRESSED FELTS, WOOL, AND BLENDED WOOL

PART 4 : TYPE QX

PARTICULAR OF FINISHED FELTS

PAGE ITEM NO	NATO STOCK NUMBER 8305-99-	DESCRIPTION ITEM NAME AND DESCRIPTION	PATTERN NUMBER	METHODS OF TEST					CUSTODIAN OF STANDARD PATTERN	REMARKS
				BS 4060	TOLERANCE ON DENSITY ± PER CENT	BS 4060	TOLERANCE ON THICKNESS ± PER CENT	BS 4407		
				DENSITY g/cm ³		NOMINAL THICKNESS mm		FIBRE CONTENT		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	
1	139-9452	CLOTH, COMPRESSED FELT, WOOL, Grey, LF, type QX	T1121C (3.0)	0.18	15	3.0	20	97% wool (minimum) 3% other fibre (maximum)	MINISTRY OF DEFENCE DIRECTORATE OF QUALITY ASSURANCE (STRESS AND CLOTHING)	Unproofed. Free from lead compounds, see clause 9c(6)
2	139-9453		T1121C (5.0)			5.0				
3	139-9454		T1121C (10.0)			10.0				
4	139-9455		T1121C (12.0)			12.0				
5	139-9456		T1121C (15.0)			15.0				
6	139-9457		T1121C (20.0)			20.0				
7	139-9458		T1121C (25.0)			25.0				
8	138-0063	CLOTH, COMPRESSED FELT, WOOL, White, LF, type QX	T1115C (3.0)	0.18	15	3.0	20	97% wool (minimum) 3% other fibre (maximum)	MINISTRY OF DEFENCE DIRECTORATE OF QUALITY ASSURANCE (STRESS AND CLOTHING)	Unproofed. Free from lead compounds, see clause 9c(6)
9	138-0062		T1115C (5.0)			5.0				
10	138-0061		T1115C (10.0)			10.0				
11	138-0060		T1115C (12.0)			12.0				
12	138-0059		T1115C (15.0)			15.0				
13	138-0058		T1115C (20.0)			20.0				
14	138-0056		T1115C (25.0)			25.0				
15	138-0055	CLOTH, COMPRESSED FELT, WOOL, White, LF, type QX	T1114C (1.0)	0.26	15	1.0	10	97% wool (minimum) 3% other fibre (maximum)	MINISTRY OF DEFENCE DIRECTORATE OF QUALITY ASSURANCE (STRESS AND CLOTHING)	Unproofed. Free from lead compounds, see clause 9c(6)
16	138-0053		T1114C (3.0)			3.0				
17	138-0052		T1114C (5.0)			5.0				
18	138-0051		T1114C (10.0)			10.0				
19	138-0050		T1114C (12.0)			12.0				
20	138-9531		T1114C (15.0)			15.0				
21	138-0049		T1114C (20.0)			20.0				

Notes applicable to this Table are on page 7.

Amdt 1

TABLE 1 - CONTINUED

PAGE ITEM NO	DESCRIPTION			METHODS OF TEST					CUSTODIAN OF STANDARD PATTERN	REMARKS
	NATO STOCK NUMBER #20-95-	ITEM NAME AND DESCRIPTION	PATTERN NUMBER	BS 4060	TOLERANCE ON DENSITY ± PER CENT	BS 4060	TOLERANCE ON THICKNESS ± PER CENT	BS 4407		
				DENSITY g/cm ³		NOMINAL THICKNESS mm		FIBRE CONTENT		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	
1	138-0077	CLOTH, COMPRESSED FELT, WOOL, Grey, RR, LF, type QX	T1121D (3.0)	0.18	15	3.0	20	97% wool (minimum) 3% other fibre (maximum)		
2	138-0076		T1121D (5.0)			5.0				
3	138-0075		T1121D (10.0)			10.0				
4	138-0074		T1121D (12.0)			12.0				
5	138-8532		T1121D (15.0)			15.0				
6	138-0073		T1121D (20.0)			20.0				
7	138-0072		T1121D (25.0)			25.0				
8	139-9459	CLOTH, COMPRESSED FELT, WOOL, White, RR, LF, type QX	T1115D (3.0)	0.18	15	3.0	20	97% wool (minimum) 3% other fibre (maximum)		
9	139-9460		T1115D (5.0)			5.0				
10	139-9461		T1115D (10.0)			10.0				
11	139-9462		T1115D (12.0)			12.0				
12	139-9463		T1115D (15.0)			15.0				
13	139-9464		T1115D (20.0)			20.0				
14	139-9465		T1115D (25.0)			25.0				
15	139-9466	CLOTH, COMPRESSED FELT, WOOL, White, RR, LF, type QX	T1114D (1.0)	0.26	15	1.0	20	97% wool (minimum) 3% other fibre (maximum)		
16	139-9467		T1114D (3.0)			3.0				
17	139-9468		T1114D (5.0)			5.0				
18	139-9469		T1114D (10.0)			10.0				
19	139-9470		T1114D (12.0)			12.0				
20	139-9471		T1114D (15.0)			15.0				
21	139-9472		T1114D (20.0)			20.0				

Notes applicable to this Table are on page 7.

MINISTRY OF DEFENCE
DIRECTORATE OF QUALITY ASSURANCE
(STORES AND CLOTHING)

Ret-proofed to
BS 2087
PCPL normal process,
see clause 9c(4)(b).
Free from lead
compounds,
see clause 9c(5)

TABLE III

ITEMS NO LONGER TO BE PROVISIONED

CLOTHS, COMPRESSED FELTS, WOOL AND BLENDED WOOL

PART 4:TYPE QX

PAGE ITEM NO	DESCRIPTION		
	NATO STOCK NUMBER 8305-99-	ITEM NAME AND DESCRIPTION	PATTERN NUMBER
	(a)	(b)	(c)
1	138-0054	CLOTH, COMPRESSED FELT, WOOL, type QX	T1114 (1.6)
2	138-0057	CLOTH, COMPRESSED FELT, WOOL, type QX	T1115 (22.2)
3	138-0064	CLOTH, COMPRESSED FELT, BLENDED WOOL, type QX	T1282 (25.4)
4	138-0065		T1282 (22.2)
5	138-0066		T1282 (19.0)
6	138-0067		T1282 (15.9)
7	138-0068		T1282 (12.7)
8	138-0069		T1282 (9.5)
9	138-0070		T1282 (6.4)
10	138-0071		T1282 (3.2)
11	138-0478	CLOTH, COMPRESSED FELT, BLENDED WOOL, type QX	T1119 (25.4)
12	124-4773		T1119 (15.9)
13	124-4771		T1119 (12.7)
14	124-4770		T1119 (9.5)
15	124-4768		T1119 (6.4)
16	124-4767		T1119 (3.2)

TABLE III - CONTINUED

PAGE ITEM NO	DESCRIPTION		
	NATO STOCK NUMBER 8305-99-	ITEM NAME AND DESCRIPTION	PATTERN NUMBER
	(a)	(b)	(c)
1	138-0112	CLOTH, COMPRESSED FELT, WOOL, RR, type QX	T1114 (12.7)
2	138-0113		T1114 (9.5)
3	138-0114		T1114 (6.4)
4	138-0115		T1114 (3.2)
5	138-0116		T1114 (1.6)
6	138-0117		T1114 (0.8)
7	138-0118	CLOTH, COMPRESSED FELT, WOOL, RR, type QX	T1115 (25.4)
8	138-0119		T1115 (22.2)
9	138-0120		T1115 (19.0)
10	138-0121		T1115 (15.9)
11	138-0122		T1115 (12.7)
12	138-0123		T1115 (9.5)
13	138-0124		T1115 (6.4)
14	138-0125		T1115 (3.2)
15	138-0126	CLOTH, COMPRESSED FELT, BLENDED WOOL, RR, type QX	T1282 (25.4)
16	138-0127		T1282 (22.2)
17	138-0128		T1282 (19.0)
18	138-0129		T1282 (15.9)
19	138-0130		T1282 (12.7)
20	138-0131		T1282 (9.5)
21	138-0132		T1282 (6.4)
22	138-0133		T1282 (3.2)

TABLE III - CONTINUED

PAGE ITEM NO	DESCRIPTION		
	NATO STOCK NUMBER 8305-99-	ITEM NAME AND DESCRIPTION	PATTERN NUMBER
	(a)	(b)	(c)
1	138-0078	CLOTH, COMPRESSED FELT, WOOL, RR, type QX	T1114 (12.7)
2	138-0079		T1114 (9.5)
3	138-0080		T1114 (6.4)
4	138-0081		T1114 (3.2)
5	138-0082		T1114 (1.6)
6	138-0083		T1114 (0.8)
7	138-0084	CLOTH, COMPRESSED FELT, WOOL, RR, type QX	T1115 (25.4)
8	138-0085		T1115 (22.2)
9	138-0086		T1115 (19.0)
10	138-0087		T1115 (15.9)
11	138-0088		T1115 (12.7)
12	138-0089		T1115 (9.5)
13	138-0090		T1115 (6.4)
14	138-0091		T1115 (3.2)
15	138-0092	CLOTH, COMPRESSED FELT, WOOL, RR, type QX	T1121 (25.4)
16	138-0093		T1121 (19.0)
17	138-0094		T1121 (12.7)
18	138-0095		T1121 (9.5)
19	138-0096		T1121 (6.4)
20	138-0097		T1121 (3.2)
21	138-0098	CLOTH, COMPRESSED FELT, BLENDED WOOL, RR, type QX	T1119 (25.4)
22	138-0099		T1119 (19.0)
23	138-0100		T1119 (12.7)
24	138-0101		T1119 (9.5)
25	138-0102		T1119 (6.4)
26	138-0103		T1119 (3.2)
27	138-0104	CLOTH, COMPRESSED FELT, BLENDED WOOL, RR, type QX	T1282 (25.4)
28	138-0105		T1282 (22.2)
29	135-0106		T1282 (19.0)
30	138-0107		T1282 (15.9)
31	138-0108		T1282 (12.7)
32	138-0109		T1282 (9.5)
33	138-0110		T1282 (6.4)
34	138-0111		T1282 (3.2)

ANNEXANNEXCLOTHS, COMPRESSED FELTS, WOOL, AND BLENDED WOOLCHEMICAL REQUIREMENTS

	REQUIREMENT	METHOD OF TEST
pH value of aqueous extract	5.0 to 8.0) BS 3266) using the hot
Amount of water soluble chloride, as NaCl	0.05 % (max.)) water) extraction) method
Amount of water soluble sulphate, as Na ₂ SO ₄	0.25 % (max.))
Amount of matter soluble in toluene-methanol (other than matter derived from proofing agents)	5.0 % (max.)	BS 4060
Amount of matter soluble in water after removal of matter soluble in toluene-methanol	3.0 % (max.)	BS 4060
Ash content (other than the ash of proofing agents)	3.5 % (max.)	BS 4060