



GOVERNMENT OF SINDH
POLICE DEPARTMENT
TENDER NOTICE

The Police Department, Government of Sindh, invites sealed tenders from eligible bidders/firms registered with FBR for sales tax, income tax & other related taxes for supply of following "Articles of Uniforms and Protective Clothing" on F.O.R. Destination, CPO, Sindh, Clothing Store, Nishtar Road, Karachi for personnel of Sindh Police during the current financial year 2017-18.

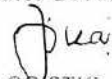
S #	ITEM NAME	QUANTITY
1	Stitched Uniform (KD Trouser & Mazri Shirt)	274,391 Nos.
2	DDS Boots	43,824 Pairs
3	Beret Cap Navy Blue	274,391 Nos.
4	Socks for man	265,037 Nos.
5	Black polo shirt for Sindh Police	265,037 Nos.
6	Black polo shirt for Sindh Police (Round Neck)	265,037 Nos.
7	Warm Jersey	42,330 Nos.
8	Field Jacket	26,520 Nos.
9	Cotton Duree	13,600 Nos.
10	Mosquito Net	13,600 Nos.
11	Iron Cot Frame	13,600 Nos.
12	Cotton Niwar	40,800 KG
13	White vest	13,600 Nos.
14	PT Shoes	13,600 Pairs
15	Kit Box	13,600 Nos.
16	Derby Boot for Urban Area	4,250 Pairs
17	Stitched Uniform for SPG/RRF	5,029 Nos.
18	Polo Cap for SPG/RRF	5,029 Nos.
19	Beret Cap Red for SPG/RRF	5,029 Nos.
20	Black Polo Shirt for SPG/RRF	5,029 Nos.
21	Black Polo Shirt Round Neck for SPG/RRF	5,029 Nos.
22	Track suits for SPG/RRF	5,029 Nos.
23	Jogger shoes	2,514 Pairs
24	Shoe for Lady Police	1,275 Pairs
25	Socks For Lady Police	1,275 Pairs
26	Cellular Khaki Cloth for Lady Police	8,925 Meters
27	Mazri Cloth for Lady Police	16,575 Meters
28	Tropical Suits (Pant & Coat) for Special Branch	170 Nos.
29	Safari Suit for SB & CTD	6,800 Nos.
30	Waist Coat for SB & CTD	3,400 Pairs
31	Stitched KT Cloth white (Shalwar & Kameez) for SB, CTD & Naib Qasid	6,800 Pairs
32	Stitched Uniform for Bomb Disposal Unit	216 Nos.
33	Stitched uniform CTD	850 Nos.
34	DDS Boots for CTD	425 Pairs
35	MT Driver boot	883 Pairs
36	M.T Dangri (Stitched)	1,414 Nos.
37	Stitched Uniform (Trouser & Shirt) White Cloth for Traffic	18,984 Nos.

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38	Derby Boot for Traffic Police	3,164	Nos.
39	Belt Upper Subordinate	1,581	Nos.
40	Belt Lower Subordinate	28,440	Nos.
41	Reflective Jackets	9,530	Nos.
42	Rain Coat for Sindh Police	3,164	Nos.
43	Veb Belt For Traffic	3,275	Nos.
44	Polo Cap For Traffic	20,101	Nos.

INSTRUCTIONS:

1. Single Stage – Two envelope Procedure will be adopted for the tender process. Bid shall comprise of a single package containing two separate envelopes. Each envelope shall contain separately sealed financial proposal and technical proposal. Envelopes shall be marked as “FINANCIAL PROPOSAL” AND TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion.
2. Interested firms/companies may obtain the tender document for above items from AIGP Logistic office, Central Police Office, Sindh, 2nd floor CPO Building I.I.Chundrigar Road, Karachi by submitting an application on their letterhead (indicating for each item) along with tender fees Rs.1000/- each item from the date of publication of tender notice upto **13-11-2017** during office hours on all working days.
3. Sealed tenders on prescribed proforma in duplicate, separate for each item along with 5% earnest money of the total bid in the form of Pay Order should be dropped in the tender box kept in office of AIGP/Log, CPO, Sindh, 2nd floor CPO Building I.I.Chundrigar Road, Karachi by **“14-11-2017” up-to 1400 hours.**
4. The tender shall be opened on **14-11-2017** at **1430** hours in presence of Procurement Committee and intending bidders who choose to be present on the occasion, in the Committee Room of Central Police Office, Sindh, Ground Floor, I.I.Chundrigar road, Karachi.
5. Only firms/Companies registered with FBR for Income Tax, Sales Tax & other related taxes are eligible to participate in the tenders (Documentary proof required).
6. Only bids offered on the prescribed tender form issued by the Police department shall be accepted. However, additional sheets may be attached, if required.
7. Conditional tender / application will not be entertained.
8. The contractors shall bring the sample of Cloth (10 Meters), and 04 Samples of rest of the items.
9. Samples of stitched uniform are available in the office of undersigned. The Contractors / Firms are allowed to make video/photograph of these samples.
10. The competent authority reserves the right to reject the tender of the bidder who fails to deposit the lab charges and samples at the time of submitting the tender.
11. Bid document can be downloaded from Sindh Police website www.sindhpolice.gov.pk and www.pprasingh.gov.pk.
12. Competent authority can cancel the bidding process at any time prior to the acceptance of a proposal as per provision of Rule-25(1) of SPPRA Rules 2010.


 AIGP/LOGISTIC
 FOR INSPECTOR GENERAL OF POLICE
 SINDH, KARACHI.



Bid Document No._____

For the Procurement of
“Articles of uniform and protective clothing”

**POLICE DEPARTMENT
GOVERNMENT OF SINDH**

www.sindhpolice.gov.pk

2017-18

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1) Instructions to Bidders

The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications and charts/drawings. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

- 2) Bid form is attached on pg # 6*
- 3) Bid Security Form is attached on pg # 7*
- 4) Performance Security Form is attached on pg # 8*
- 5) Evaluation Criteria is attached on pg # 12*
- 6) Sample of Contract agreement is attached as Annexure-A*
- 7) Technical Proposal Form is attached as Annexure-B*
- 8) Financial Proposal Form is attached as Annexure-C*
- 9) Technical Specification is attached as Annexure-D*

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10. Invitation to Bid

The Police department, Government of the Sindh (hereinafter referred to as Purchaser), invites sealed bids from eligible bidders for "Purchase/Supply of Article of Uniform and protective clothing".

- i. which will:

Provision of equipments / items mentioned at Annexure-D

Special Terms & Conditions of Contract:

- ii. The Police department, Government of Sindh, request Tender Bids in sealed envelopes as per information required in this document. Proponents applying for bids should submit Financial Proposal and Technical Proposal in two separate envelopes.
- iii. The Technical Proposal should contain all the bid items without quoting the price and must list firm's clientele, details of past project, items specification etc. Financial bids of firms not obtaining minimum passing criteria on Technical basis will not be opened.
- iv. Interested eligible bidders may obtain further information on the bid and inspect the bidding documents at the office of AIGP/Logistics, 2nd Floor, CPO Building, I.I.Chundrigar Road, Karachi during office hours on working days.
- v. All bids must be accompanied by a earnest money (5%) of total bid amount, and must be delivered to the office of the AIGP/Logistics, on or before 1400 hours on - -2017. The bids will be publicly opened in the Committee Room of CPO ground floor at 1430 hours on the same day in presence of bidders who wish to remain present.
- vi. The Police department, Government of the Sindh will not be responsible for any costs or expense incurred by bidders in connection with the preparation or delivery bids.
- vii. Bidders shall submit bids, which comply with the bidding documents, Alternative bids will not be considered.
- viii. Competent authority can cancel the bidding process at any time prior to the acceptance of a proposal as per provision of Rule-25(1) of SPPRA Rules 2010.
- ix. All prices quoted must include any Taxes applicable, i.e. Income Tax, Sales Tax or any other tax imposed by government by law. If not specifically mentioned in the Quotation, then it will be presumed that the prices include all the taxes.
- x. Execution / Delivery of all the items of the Bid will be at CPO Clothing Store Nishtar Road Karachi.



- xi. Failure to complete the task within the stipulated time period will invoke penalty upto 2% of the total cost per month. In addition to that, Security Deposit (CDR) amount will be forfeited and the company will not be allowed to participate in future tenders as well.
- xii. The earnest money is refundable after finalization of the bid, in case of return of financial bids, and in other cases, either on request after opening of financial bids or when award / placement of purchase order is finalized. The bidders will, however, have to apply for refund through a written request on their company/firm letter head addressed to AIGP/Logistics.
- xiii. The successful bidder will have to deposit 10% security of the amount of contract, in the form of pay order, bank guarantee to the satisfaction of AIGP/Logistics. The same will be returned on due completion of the contract.
- xiv. Samples of following items non returnable and free of cost must be provided along with the bids / quotations for examining the quality. In absence of samples bid will not be considered. These sample will only meant for initial qualification/disqualification of the bidder. Supplies shall be tested randomly to check their compliance with the specifications.
- In case of stitched uniform 6 uniform each be provided.
 - In case of iron Cots and Kit Box duplicate sample must be provided.
 - In case of beret Cap 4 cap or 2.5 meter fabric + one cap in each size, stitching cone, 2 meter ribbon + standard swatch for visual assessment must be provided.
 - In case of white vest (V-shape) 10 vest or 2 meter fabric and one vest require in each size.
 - In case of cloth 10 meters and of Niwar 20 meters will be provided.
 - 04 samples each of the rest of items will be provided.
- xv. The random samples from bulk supplies will also be got tested through laboratory / technical experts or as deemed appropriate by the Purchase Committee.
- xvi. Sticker containing name and address of bidder and size should be firmly stitched with each sample at the corner. No extra sign of recognition or word or any secret code will be put on it. In case of violation the sample will be rejected and excluded from the proceeding accordingly.
- xvii. To conform the approved specifications, the evaluation criteria of bids / samples will be based on the laboratory test report/technical expert opinion, observation of Purchase committee and terms and condition set forth in the bidding documents, tender notice and Bid Form or as deemed appropriate by the Purchase Committee.



- xviii. The bidders will bear the cost of laboratory test fees for sample testing at the time of technical evaluation and supplies. If the fees is not deposited by the bidder before the specified date in the office of AIGP/Logistics, his sample will be excluded from lab test and the said bidder will be considered out of competition and procurement process.
- xix. Parties whose bids are accepted shall have to sign a written contract with police Department, Government of Sindh as per format at Annexure-A or on mutually agreed terms & conditions/format by both the parties. The IGP or officer authorized on his behalf may add or remove any condition consequent upon award of contract to make it secure/transparent and safe guard the interest of Government.
- xx. Contractor responsible for breach of any of the term/condition of the contract may face forfeiture of security deposit and Black Listing from future contract with Sindh Police or imposition of penalties as per contract agreement and law.
- xxi. Date of opening of the Financial Proposals will be announced separately. The proposal of only those bidders will be considered/ opened which are declared qualified after evaluation of technical bids and upon fulfilling all the condition by the Purchase Committee. Further enquiry can be made from AIGP/Logistics, CPO, on telephone: (92-21) – 9212631, Fax (92-21) – 9213839 during office hours on working days.
- xxii. Conditional tenders/bids will not be acceptable.
- xxiii. Authority Letter from Principal Company for product and vender authentication is to be provided by the bidder.
- xxiv. Police department reserves the right to increase or decrease the scope of work/number of items quantities without assigning any reason.
- xxv. Every page of the tender document should be signed and sealed by the bidder.
- xxvi. The details of this notice are also available on website of Police department (www.sindhpolice.gov.pk) and (www.pprasindh.gov.pk)

AIGP/Logistics
For Inspector General of Police
Sindh, Karachi.



BID FORM for _____

To:

Inspector General of Police,
Police Department
Government of Sindh,
Karachi.

Sir,

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, for the above Contract, we, the undersigned, offer to supply, deliver and test in conformity with the said bidding documents (Technical and Financial proposals are attached as annexure-B and annexure-C respectively) are submitted herewith separately as per your requirement.

We undertake, if our Bid is accepted, to complete the supply in accordance with the delivery time mention in this tender documents.

If our Bid is accepted, we will provide the performance security in the sum equivalent to equal to 10% percent of the Contract Price, for the due performance of the Contract as per bid Security Form.

Dated this _____ day of _____ 20 ____

WITNESS

BIDDER (Sign + Seal)

Signature: -----

Signature: -----

Name:-----

Name:-----

Title:-----

Title:-----

Address:-----

Address:-----

CNIC #:-----

CNIC #:-----









BID SECURITY FORM

WHEREAS _____ (hereinafter called "the Bidder" has submitted its bid dated _____ for the purchase of " _____", (hereinafter called "the Bid").

KNOW ALL MEN by these presents that We _____ (Name of Bank) of _____ (Name of Country) having our registered office at _____ (address of Bank) hereinafter called "the Bank") are bound into the Inspector General of Police, Sindh, Karachi, Pakistan (hereinafter called "the Purchaser") in the sum of _____, for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns, by these presents.

Sealed with the Common Seal of the Bank this _____ day of _____, 2017 _____

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder does not accept the corrections of his Total Bid Price; or
3. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
 - (a) Fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders; or
 - (b) Fails or refuses to execute the Contract Form, when requested.

We undertake to pay to the Purchaser up to the above amount, according to, and upon receipt of, its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both or all the three above stated conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to _____ 2017, the period of bid validity, and any demand in respect thereof should reach the Bank not later than such date.

(NAME OF BANK)

By _____

(Title)

Authorized Representative

[Handwritten signatures]

[Handwritten signature]

[Handwritten signature]



PERFORMANCE SECURITY FORM (Applicable in case of bank guarantee)

To: Inspector General of Police, Sindh,
Karachi-Pakistan.

WHEREAS (Name of the Contractor)

Hereinafter called "the Contractor" has undertaken, in pursuance of the bid for the purchase of hardware including "_____", dated ____20____, (hereinafter called "the Contract").

AND WHEREAS we have agreed to give the Contractor a Guarantee:

THEREFORE WE hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, up to a total of 10% of the total contract value (Amount of the guarantee), and we undertake to pay you, upon your first written demand declaring the Contractor to be in default under the Contract, and without cavil or argument, any sum or sums, within the limits of 10% of the total contract value (Amount of Guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until ____ day of _____2017, or twenty-eight (28) days of the issue of the Defects Liability Expiry Certificate, whichever is later.

[NAME OF GUARANTOR]

Signature _____

Name _____

Title _____

Address _____

Seal _____







1. General Terms & Conditions

(i) Bid Bond

A bid bond, in the shape of a Pay Order / Bank Draft in favor of AIGP/Logistics equivalent to 5% of the total cost of bid should be submitted along with the tender.

(ii) Validity of the proposal

All proposal and price shall remain valid for a period of 90 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.

(iii) Currency

All currency in the proposal shall be quoted in Pakistan Rupees (PKR).

(iv) Withholding Tax, Sales Tax and other Taxes

The responding organization is hereby informed that the Government shall deducted tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Police department. The responding organization will be responsible for all taxes on transaction and/or income, which may be levied by government. If responding organization is exempted from any specific taxes, then it will provide the relevant documents with the proposal.

(v) Stamp Duty

Stamp duty for contract documents shall be borne by responding organization/bidder at the time of signing of contract.

(vi) Supply Capabilities

RO should clearly indicate the duration of delivery of quote item(s) specified in Annexure-D

(vii) Compliance to Specification

The Responding Organization (RO) to provide information as per (Annexure-D). RO may not propose any kind of refurbished item in their technical proposals.

(viii) Financial Capabilities

The RO(s) shall describe the financial position of its organization. Income Statement or Annual Report should be included in the detailed Technical proposal.



(ix) **Penalty Clause**

- It is utmost importance that schedule to tender should be filled in very carefully and the instructions set forth above, scrupulously complied with failing which the offer will be ignored. In case of non-completion of supply within stipulate period Security deposit will be forfeited in favor of the Police Department, Government of Sindh, Karachi.
- An affidavit that the firm declares details of litigation with any client during the last 5 years be provided.
- An affidavit that the firm has never been blacklisted by any Government Department.
- Liquidated damages upto 2% per month of the contract price will be deducted for delayed supply/delivery of items.

(x) **Delivery Time**

- 90 Days after issuance of purchase order or as mutually agreed in the contract.
- **Mode of payment:** 100% after supply of item(s)/equipment(s) and successful inspection (Conditional to supply of 10% Performance Guarantee).
- Release of performance guarantee after completion of delivery and successful inspection.

RO should clearly indicate the duration of delivery of "articles of uniforms and protective clothing" after the award of contract.



2. Instructions for Responding Organizations

(i) Communication

Enquires regarding this RFP shall be submitted in writing to:
AIGP/Logistics,
Central Police Office, Sindh
2nd Floor, CPO Building, I.I. Chundrigar Road, Karachi
Phone: (92-21) – 9212631, Fax (92-21) - 9213839

(ii) Mode of Delivery and Address

Technical & Financial proposals (2 copies each) should be submitted by 1400 hours at the address given below.

Office of AIGP/Logistics, CPO
2nd Floor, CPO Building, I.I. Chundrigar Road, Karachi
Tel # 9212631, Fax # 9213839

The technical proposals will be opened on the same day at 1430 hours at the same address. The responding organization shall deliver 2 (two) copies of the technical & financial proposal each copy being physically separated, bound, sealed and labeled as “item for which bid is offered” & Commercial Bid for “item for which bid is offered” (one master and one copy), labeled as such on their respective envelopes.

Proposals shall be dropped in the sealed tender box kept in the office of AIGP/Logistics upto 1400 hours Samples should however be delivered by hand or courier so as to reach the address given above by the last date indicated for submission. **PROPOSALS RECEIVED BY FAX OR EMAIL SHALL NOT BE ACCEPTED.**

(iii) Submission of Proposal

The complete proposals should be submitted by 1400 hours on - -2017 at the address given in 2(ii) above.

The format of submission of proposal is attached as Annexure-B and Annexure-C. Please provide original brochures and samples of all the items proposed.

The Bank Draft for Bid Bond to be enclosed in a separate envelope, labeled as “Bank Draft (Bid Bond)”, and which should be sealed. Proof of Sales Tax and NTN number should also be provided.

CNIC copies of Owner/Authorized person along with witness should be enclosed.

(Please provide photocopies of relevant documents).



(iv) **Opening of Proposals**

The proposals submitted against the subject RFP will be opened on date mentioned above at 1430 hours in front of the **Purchase Committee** of Sindh Police.

Evaluation and Comparison of Technical and Financial Bids

The evaluation will be performed assuming the Contract will be awarded to the bid confirming to Eligibility Criteria and most closely conforming to evaluation criteria and other conditions specified in the bidding documents and having lowest evaluated cost.

a. **Eligibility Criteria**

- Valid Registration with Income Tax.
- Valid Registration with Sales Tax
- Company History years in business?
- Under taking on stamp paper that firm is not involved in any litigation, Department rift, abandoned or unnecessary delay in completion of any work in the Government Department.
- Affidavit/Undertaking on stamp paper that the firm has not been black listed previously by any executing agency.

(Note: All documents are mandatory and must be provided otherwise the bid will not be considered).

Evaluation Criteria and Comparison of Bid

The Proposals shall be evaluated on the basis of following parameters:-

S.#	Evaluation Parameter	Marks	Brief Questionnaire
1	Specifications	400	Compliance with required specifications mentioned at Annexure "D". This compliance shall be checked through lab testing of the provided samples. Attach Brochures/Samples of quoted items. The sample shall fulfill the required parameters of specification.
2	Financial Capabilities	200	<ul style="list-style-type: none"> • Balance Sheet and documents to show net worth/financial stability to be provided <ul style="list-style-type: none"> ▪ Tangible net worth is Rs.10 million = 100 marks ▪ Tangible net worth is Rs.5 to 9.999 million = 75 marks ▪ Tangible net worth is Rs.3 to 4.999 million = 50 marks <p>No submission of Balance sheet & worth less than 3 million – "0" marks</p> <ul style="list-style-type: none"> • Annual Turn Over for last 02 years <ul style="list-style-type: none"> ▪ Rs.50 Million or above = 100 marks ▪ Rs.40 to 49.999 Million = 75 marks ▪ Rs.30 to 39.999 Million = 50 marks <p>No submission of annual turnover & less than 30 million – "0" marks</p>

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Tender Department, Government of Odisha (www.odisha.gov.in)				
3	Relevant Experience	200	• Bidder should provide Work Orders relating to work/supply mentioned in the Tender Notice.	
			More than three Work Orders	Marks 200
			Three Work Orders	Marks 150
			Less than three Work Orders	Each year obtain 50-Marks
	Total Marks	800		

N.B.

Minimum passing/qualifying marks is 80% i.e. 640 marks out of 800 marks. The bid not obtaining minimum qualifying score shall not be considered and rejected. Out of the bids qualifying the Evaluation Criteria, the bid with lowest evaluated cost shall be awarded contract provided it meets all other procedural requirements.

The Bidder should provide the following required information and placing this Form on top of the Technical Proposal. Relevant portions of the Technical Proposal should be referenced in this form.

Information Required

A General

- 1 Name of Bidder
- 2 No of Years in business in Pakistan
- 3 No of Offices locations in Pakistan
- 4 Annual Turnover (Million Rs.)
- 5 Value of projects in hand (details may be given)
- 6 Year of Incorporation
- 7 Status of the Bidder
 - Sole Proprietor
 - Partnership Firm
 - Private Limited Company
 - Public Limited Company
 - Entity registered / incorporated outside Pakistan (Give details)
 - Other (Please specify)
- 8 Names of Owner / Partners / Chief Executive / Directors
- 9 Details of Registered Head Office (Address, Phone, Facsimile, Email and Website information)

Contacting the Purchaser

Any effort by a bidder to influence the Purchaser in the Purchaser's decisions in respect of bid evaluation, or Contract award will result in the rejection of the bidder's bid.



Purchaser's Right to Accept the Bid or Reject the Bid

The Purchase Committee reserves the right to accept or reject the bid and to annul the bidding process at any time prior to award of Contract, without thereby incurring any liability to the bidder or any obligation to inform the bidder of the grounds for the Purchase's action.

Definitions

In this Contract, the following terms shall be interpreted as indicated:

- **"Commencement Date of the Contract"** means the date of signing of the Contract between the Purchaser and the Contractor.
- **"Contract"** means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
- **"Contractor Price"** means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.
- **"Contractor"** means the individual or firm whose bid has been accepted by the Purchaser and the legal successors, in title to the Contractor.
- **"Contractor Value"** means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract, which is properly apportionable to the Software or Services in question.
- **"Purchaser"** means the Sindh Police Department, Government of the Sindh, Karachi – Pakistan.
- **"Services"** means services, such as testing and other such obligations of the Contractor covered under the Contract.
- **"Works"** means all items to be provided and work to be done by the Contractor under the Contract.
- **"RO"** means Responding Organization/ Bidder Firm.
- **"RFP"** means Request for Proposal.



Sample Contract Agreement

1. This contract agreement is made and entered into on _____, 201__, BY AND BETWEEN.

i) **Inspector General of Police, Sindh Central Police Office, I.I. Chundrigar Road, Karachi**, hereinafter referred as Purchaser, which expression shall unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns officers delegated to perform functions procurements for and on behalf of various units of Sindh Police department of ONE PART.

AND

ii) _____
_____ having its registered office at hereinafter referred as supplier, which expression shall, unless repugnant to the context of meaning thereof, be deemed to include its successors and permitted assigns of the OTHER PART.

2. WHEREAS the Inspector General of Police, Sindh is entrusted with responsibility of procurement of item / articles during current financial year 2017-2017 as per description, with specification and quantity, given below:-

S.NO.	DESCRIPTION OF ARTICLES WITH SPECIFICATION	QUANTITY/ NUMBER	Delivery
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3. AND WHEREAS, the **Inspector General of Police, Sindh**, in accordance with The Public Procurement Rules, 2010 as adopted by Government of Sindh vide notification No. _____ dated: _____.



4. That M/s. _____ participated in the response of open tenders, floated by IGP Sindh, by submitting technical and financial bids, after necessary evaluation of the item / articles described above; the Departmental Committee opened the financial bids in front of all bidders on _____.
5. That the rates offered by M/s. _____ for the item / articles as shown and given above, were found to be lowest offered in comparative terms with the rates of other bidders participating in the process. Therefore, on the recommendation of Departmental Committee, the IGP Sindh has accorded approval to place purchase/procurement order with M/s. _____ on terms and conditions specified below:-

NOW THEREFORE PARTIES HEREBY AGREE AS FOLLOWS

- i) That M/s. _____ shall supply products/items, articles described and specified alongwith quantity the above within ____ days from the date of signing of this agreement.
- ii) That all deliveries shall be made at _____, Sindh, Karachi between on working days only.
- iii) That every article shall be made and finished in all respects to entire satisfaction of Departmental Inspection Committee which shall be at liberty to reject any item/article or part thereof if it is not in accordance with approved sample and specification mentioned in the tender documents submitted by supplier at the time of bidding, and evaluated and approved for this purchase order and such rejection shall be final. The no appeal or review will be permissible against the decision of inspection committee.
- iv) That the **AIGP/Logistics, CPO, Sindh**, shall give written receipt signed by him giving out complete details, exhibiting the number of items/articles delivered and the number items/articles accepted and rejected, and such receipts shall be conclusive evidence of the acceptance and rejection of the number of articles specified as accepted and rejected.
- v) That all articles rejected shall be taken back and removed by the M/s. _____ and nothing shall become due or recoverable by the M/s. _____ in respect on account of items/articles so rejected.

[Signature]

[Signature]

[Signature]
[Signature]

[Signature]



- vi) That all articles accepted shall be paid for the AIGP/Logistic, CPO, Sindh at the rate of specified below (FOR Destination) within financial year _____.

ITEM / ARTICLE	RATE PER UNIT

- vii) In case M/s. _____ make default, in the due performance of this agreement/contract in part or full, AIGP/Logistic, CPO, Sindh shall be at liberty to impose and recover L.D. Charges upto 2% per month thereof.. The penalty shall be applicable only to the extent of items/articles supplied late.
- viii) The AIGP/Logistic, CPO, Sindh shall have right to assess, demand and recover any damages suffered by Police Department due to late supply of the items/articles from the supplier.
- ix) The AIGP/Logistic, CPO, Sindh shall be at liberty to deduct and retain the amount so assessed from the bill that may be or may become due and payable at or after the time of such failure to the M/s. _____ by the said AIGP/Logistic, CPO, Sindh, whether by virtue of agreement or otherwise.
- x) The IGP Sindh shall not be responsible for non-performance of this agreement due to change in law, rules and policy of the government as notified in official gazette from time to time.
- xi) That all conditions laid down in the rules framed for procurement by the Government shall apply to transactions made under this contract agreement and both parties shall be bound by it.
6. This contract agreement shall be construed, and the legal relations created herein will be determined in accordance with the laws of Islamic Republic of Pakistan.
7. Any notice required under this contract agreement shall be in writing and shall be effective when received by the addressee at its given address.

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8. If any term, conditions, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavour in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in the Agreement. If the parties fail to agree on such amendments, such invalid terms, condition or provision will be served from remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.
9. This agreement may be amended only in writing signed by both the parties.
10. IN WITNESS WHEREOF, the parties have executed this agreement on the date set forth above.

AIGP/Logistics
On behalf of IGP, Sindh

M/s _____

Witness:

1) _____

2) _____

Jka

Sayy

[Signature]

[Signature]

[Signature]

Technical Proposal Form

Bidder's Profile			
Name			
Official Address			
Telephone(s) No.			
Official Fax No.			
GST Registration No.			
Income Tax Reg. No.			
Sr. No.	Item Specification (Proposed)	Approximate Quantity	Supply During (in Months)

Note: Please read carefully the whole document and provide all necessary details with proof of evidence.

BIDDER (Sign + Seal)

John Sayer

Procurement of

Chad

RV

Financial Proposal Form

Bidder's Profile				
Name				
Official Address				
Telephone(s) No.				
Official Fax No.				
GST Registration No.				
Income Tax Reg. No.				
No. of years in business				
Sr. No.	Quoted Item Name	Quantity	Unit Cost (Rs)	Total Cost (Rs)
Total Cost in Pak Rupees				
(in words. _____)				

Note: Earnest money will be equivalent to 5% of the total bid cost.

Only Pay Order/Bank Draft for earnest money will be acceptable in favour of AIGP/Logistics, Central Police Office, Sindh, and Karachi.

BIDDER (Sign + Seal)



GOVERNMENT OF SINDH
POLICE DEPARTMENT

No. 1826-37/E&C/III-Clothing/2017-18.

Dated. 27-07-2017

ORDER

SUBJECT:- **COMMITTEES FOR UNIFORMS & PROTECTIVE CLOTHING FOR SINDH POLICE DURING FINANCIAL YEAR 2017-18**

The following committees are hereby constituted with immediate effect for the Procurement of Uniform & Protective Clothing articles for the financial year 2017-18:-

(A) PROCUREMENT COMMITTEE

- | | |
|--|-------------|
| i) Mr. Mazhar Nawaz Shaikh (PSP) | (Chairman) |
| DIGP/Security, CPO, Karachi | |
| ii) Mr. Qamar Raza Jiskani (PSP) | (Secretary) |
| AIGP/Logistic, CPO, Sindh, Karachi | |
| iii) Mr. Tanveer Alam Odho (PSP) | (Member) |
| AIGP/Operation, CPO, Sindh, Karachi | |
| iv) Rep. of Home Department, Sindh | (Member) |
| v) Rep. of Citizens Police Liaison Committee, Karachi (CPLC) | (Member) |

FUNCTIONS AND RESPONSIBILITIES OF PROCUREMENT COMMITTEE:-

- i) Finalization of Procurement Plan.
- ii) Preparing Specifications.
- iii) Preparing Bidding Documents/NIT
- iv) Opening of tender.
- v) Carrying out Technical as well as Financial Evaluation of bids.
- vi) Preparing Evaluation Report as provided in Rule 45.
- vii) Making recommendations for award of Contract to the competent authority; and
- viii) If required, the Procurement Committee may Co-Opt any Officer, Official or Private Person Expert in relevant field to share his expertise concerning to procurement.
- ix) Perform any Other Function ancillary and incidental to the above.

(B) REDRESSAL OF GRIEVANCES AND SETTLEMENT OF DISPUTES COMMITTEE

- | | |
|--|-------------|
| i) Mr. Mushtaq Ahmed Mahar (PSP) | (Chairman) |
| Addl:IGP/Traffic, Sindh. | |
| ii) Mr. Javed Akbar Riaz (PSP) | (Secretary) |
| AIGP/Forensic Division, Sindh. | |
| iii) Mr. Asad Raza (PSP) | (Member) |
| AIGP/Admin. CPO, Sindh, Karachi. | |
| iv) Rep. of Accountant General, Sindh. | (Member) |
| v) Representative of Korangi Association of Trade & Industry | (Member) |
| (From Textile Sector) | |

Sd/-
INSPECTOR GENERAL OF POLICE,
SINDH KARACHI.

Copy to following for information and request for nominating the representatives:-

1. Secretary Home Department, Govt. of Sindh, Karachi.
2. Accountant General Sindh, Karachi.
3. Chief Citizens Police Liaison Committee, Karachi (CPLC)
4. President Korangi Association of Trade & Industry, Karachi.
5. All concerned Police Officers.
6. PS to IGP Sindh.
7. PS to DIGP/Finance, CPO

(Signature)
(QAMAR RAZA JISKANI) PSP
AIGP/LOGISTIC
FOR INSPECTOR GENERAL OF POLICE
SINDH, KARACHI.

ANNUAL PROCUREMENT PLAN (WORKS, GOODS & SERVICES)
Financial year 2017-18

S.#	Description of Procurement	Quantity (Where applicable)	Estimated Unit Cost (Where applicable)	Estimated total cost	Funds allocated	Source of funds (ADP/Non ADP)	Proposed procurement method	Timing of Procurement			Remarks
								1 st Qtr	2 nd Qtr	3 rd Qtr	
	Uniform & Protective Clothing				1,233,941,000.00	Non ADP	Single Stage Two Envelopes	1 st Qtr	2 nd Qtr		
1	Stitched Uniform (KD Trouser & Mazri Shirt)	274,391	1514.7	415,620,108.29							
2	DDS Boots	43,824	2275.35	99,714,938.40							
3	Beret Cap Navy Blue	274,391	180.18	49,439,777.59							
4	Socks for man	265,037	54.97	14,569,072.90							
5	Black polo shirt for Sindh Police	265,037	456	120,856,780.80							
6	Black polo shirt for Sindh Police (Round Neck)	265,037	420	111,315,456.00							
7	Warm Jersey	42,330	904.07	38,269,283.10							
8	Field Jacket	26,520	3663	97,142,760.00							
9	Cotton Duree	13,600	370.7	5,041,520.00							
10	Mosquito Net	13,600	880	11,968,000.00							
11	Iron Cot Frame	13,600	658.9	8,961,040.00							
12	Cotton Niwar	40,800	300	12,240,000.00							
13	White vest	13,600	217.8	2,962,080.00							
14	PT Shoes	13,600	3465	47,124,000.00							
15	Kit Box	13,600	2497	33,959,200.00							
16	Derby Boot for Urban Area	4,250	3071.2	13,052,600.00							
17	Stitched Uniform for SPC/RR1	5,029	2330	12,722,358.00							
18	Polo Cap for SPC/RR1	5,029	156	784,461.60							

Handwritten signatures and initials are present below the table.

19	Beret Cap Red for SPG/RRF	5,029	228	1,146,520.80			
20	Black Polo Shirt for SPG/RRF	5,029	456	2,293,041.60			
21	Black Polo Shirt Round Neck for SPG/RRF	5,029	420	2,112,012.00			
22	Track suits for SPG/RRF	5,029	1800	9,051,480.00			
23	Jogger shoes	2,514	1800	4,525,740.00			
24	Shoe for Lady Police	1,275	2518.8	3,211,470.00			
25	Socks For Lady Police	1,275	78	99,450.00			
26	Cellular Khaki Cloth for Lady Police	8,925	297	2,650,725.00			
27	Mazri Cloth for Lady Police	16,575	242	4,011,150.00			
28	Tropical Suits (Pant & Coat) for Special Branch	170	5400	918,000.00			
29	Safari Suit for SB & CTD	6,800	3725.7	25,334,760.00			
30	Waist Coat for SB & CTD	3,400	960	3,264,000.00			
31	Stitched KT Cloth white (Shalwar & Kameez) for SB, CTD & Naib Qasid	6,800	1077.6	7,327,680.00			
32	Stitched Uniform for Bomb Disposal Unit	216	1800	388,800.00			
33	Stitched uniform CTD	850	4283.4	3,640,890.00			
34	DDS Boots for CTD	425	2679.6	1,138,830.00			
35	MT Driver boot	883	2340	2,066,220.00			
36	M.T Dangri (Stitched)	1,414	1500	2,121,600.00			
37	Stitched Uniform (Trousers & Shirt) White Cloth for Traffic	18,984	1811.7	34,393,131.63			
38	Derby Boot for Traffic Police	3,164	3298.9	10,436,729.93			
39	Belt Upper Subordinate	1,581	426.8	674,685.44			
40	Belt Lower Subordinate	28,440	217.8	6,194,232.00			
41	Reflective Jackets	9,530	138.9	4,182,717.00			

STANDARD SPECIFICATIONS: NIWAR

1. COTTON.....45 to 55%
2. POLYESTER.....45 to 55%
3. COUNT OF WARP.....9 to 11.
4. COUNT OF WEFT.....9 to 11.
5. WIDTH.....2 ½ inch (Minimum)
6. ENDS PER 2 ½".....155 (Minimum).
7. PICKS PER 2 ½".....90 (Minimum).
8. COLOUR.....Off White.

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Jila. Syge

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MF

	a. Material	Cambrella (Synthetic non woven fabric)
	b. Colour	White
	2. Inner Lining at Vamp	
	a. Material	Ethyl Vinyl Acetate (EVA) Soft
	b. Thickness	1.5 mm - 2.0 mm
	c. Colour	White
	b. Collar/Counter	
	1. Mesh	
	a. Material	Ter Meshn (Synthetic knitted fabric)
	b. Colour	White
	2. Foam	
	a. Material	Foam
	b. Thickness	4 mm \pm 1 mm
	c. Colour	White
	3. Jali	
	a. Material	Polyester
	b. Colour	White
	c. Weave	Knitted Mesh
	c. Heel Grip	
	1. Material	
	2. Thickness	0.6 mm - 0.8 mm
	3. Colour	White
4	Upper Grinders	
	a. Collar	
	1. Material	Foam (Polyurethane)
	2. Thickness	15 mm \pm 1 mm
	3. Colour	White
	b. Eyelet	
	1. Inner Dia	6 mm \pm 0.5 mm
	2. Outer Dia	10 mm \pm 0.5 mm
	3. Height	5.8 mm \pm 0.5 mm
	4. Colour	White
	c. Laces	
	1. Material	Polyester
	2. Make & Shape	Round
	3. Length	48" \pm 1"
	4. Colour	White
5	Closing Grindling Stitch Thread	
	a. Material	Nylon
	b. Upper/Strobling	3/50 Den
	c. Colour	White
6	Bottom Lasting	
	a. Stiffener Material	TP - 4 (thermoplastic)
	b. Insole Material	tricot (double layer textile drill cloth cotton)
	c. Thickness	0.8 mm \pm 1.0 mm
7	Out Sole	
	a. Material	Polyurethane & Rubber(Double Density)
	c. Colour	White/ Grey
8	Socks	
	a. Foam	
	1. Material	Ethyl Vinyl Acetate (EVA) Soft
	2. Thickness	4.0 mm \pm 0.5 mm
	3. Colour	White
	b. fabric Lining	
	1. Material	Cotton
	2. Weave	Terri Knitt
	3. Colour	White
9	Cardboard Box	Best trade quality

Handwritten signatures and initials:
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 [Initials] [Initials]

SPECIFICATIONS JOGGERS SHOES

Sr #	Test	Specifications
1	Complete wt (Size 8)	700 gm (Min)
2	<u>Upper</u>	
	<u>a. Leather Type - 1 (for Quarter/Counter/ Eyelete Facing & Back Loop)</u>	
	1. Material	Leather Buff Nubuck
	2. Thickness	
	<u>a. Quarter/Counter</u>	1.4 1.6 mm
	<u>b. Eyelet Facing/Black Loop</u>	2.0 1.3 mm
	3. Color	White
	<u>b. Leather Type - 2 (Toe/Vamp)</u>	
	1. Material	Cow Nubuck
	2. Thickness	1.6 1.8 mm
	3. Colour	White
	<u>c. Leather Type - 3 (Small Flash)</u>	
	1. Material	Cow Nubuck
	2. Thickness	0.9 - 1.1 mm
	3. Colour	White
	<u>d. Back loop Insert</u>	
	1. Material	PVC -X-Polka (PVC Sheet with textile woven fabric backing)
	2. Thickness	0.9 - 1.1 mm
	3. Colour	Dark Grey
	<u>e. side Flash</u>	
	1. Material	Leather - Free port Jersey Backing (PVC sheet with textile woven fabric backing)
	2. Thickness	0.9 - 1.2 mm
	3. Colour	White
	<u>f. Tongue</u>	
	<u>1. Upper Layer</u>	
	a. Top Fabric	
	1. Material	B.T Mesh (Synthetic)
	2. Type of weave	Knitted
	3. Colour	White
	<u>b. Inner Foam</u>	
	1. Type of Foam	Open Cell
	2. Thickness	4 mm \pm 1 mm
	3. Colour	White
	<u>c. Bottom Fabric</u>	
	1. Material	Polyester
	2. Type of weave	Knitted Jali
	<u>2. Lower Layer</u>	
	a. Top Fabric	
	1. Material	Ter Mesh (Synthetic)
	2. Type of weave	Knitted
	3. Colour	White
	<u>b. Inner Foam</u>	
	1. Type of Foam	Open Cell
	2. Thickness	4 mm \pm 1 mm
	3. colour	White
	<u>c. Bottom Fabric</u>	
	1. Material	Polyester
	2 Type of weave	Knitted Jali
	3. Colour	White
3	<u>Linning Material</u>	
	<u>a. Vamp/Quarter</u>	
	<u>1. Mesh</u>	

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T-SHIRT BLACK ROUND NECK FOR SINDH POLICE

S. No.	Test	Specified limit
1	Wt/Sq mtr RH 65% at 22 °C	195.4 gm
2	Shrinkage%	
	Length	2.5%
	Width	37, 36
3	Wales/ 25 mm	50, 51
4	Course/ 25 mm	27.0 Tex
5	Count of yarn	GS No.4
6	Washing-3	
	Change in shade	GS No.4
	Staining on cotton	GS No.3
7	Perspiration (Acid/Alkali)	
	Change in shade	GS No.4
	Staining on cotton	GS No.4
8	Material	-
9	Nature of Dye	Disperse & Reactive Dye
10	Scouring loss	0.8%

Final

Scg

Final

Final

MF

STANDARD SPECIFICATIONS: P.T. SHOES

1. Colour.....White.
2. Upper.....a) Vamp.....New canvas calico H.
b) Quarter..... -do-
c) Counter..... Calico H+Rubber 14m/m.
d) Eyelet.....5 pairs of Eyelet (Allim) fitted
on each facing.
3. Laces.....32" Flat Cotton White.
4. Fraction.....a) Upper.....400 Grams.
b) Lining.....100 Grams.
c) Insole.....100 Grams.
d) Counter.....100 Grams.
e. Toe.....100 Grams.
5. Bottom..... a) Insole.....Calcio H+ Rubber.
b) Filler..... Rubber 1.4 m/m.
c) Sole.....Rubber pulled in crepe
Roller 5.7 m/m.
6. Thread.....a) Backseam.....50/3 Nylon.
b) Binding.....30/30 Cotton.
c) Vamping.....50/30 Nylon.

Final Sign

for

check mf.

STANDARD SPECIFICATIONS: BELT LOWER SUBORDINATE

1. Leather.....Pure black leather (drum Dyed)
2. Holes.....3 Holes for adjustment.
3. Length.....53.
4. Width.....2"

Final *Segg*

10/10/20

amaw *14*

STANDARD SPECIFICATIONS: BELT U/SUBORDINATE

1. Pure Black Leather (Drum Dyed).
2. Belt plate made by stainless steel 18 Gage with mono-gram "SINDH POLICE"
3. 3 Holes for adjustment.
4. Length.....51/52"
5. Width.....2".

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STANDARD SPECIFICATIONS: WHITE VEST (V-SHAPE)

1. Count of yarn.....29-32.
2. Wales/Inch.....34/Inch (Minimum).
3. Courses/Inch.....46/Inch (Minimum).
4. Nature of Fibre Cotton.....100%
5. Scouring Loss.....5% (Maximum).
6. Knit (Weave).....Plain single jersey.
7. Shrinkage % (Warp/weft).....5% (Maximum).
8. Weight (Minimum)
 - i. Medium.....160 Gram.
 - ii. Large.....170 Gram.
 - iii. X-Large..... 180 Gram.

Final Sign

Final

Final Sign

BOMB DISPOSAL UNIT UNIFORM

Sr.#	TEST	TEST METHOD	SPECIFICATIONS
1.	Warp Count (Combed)	ASTM-D 1059	40/2 \pm 7%
2.	Weft Count(Combed)	ASTM-D 1059	40/2 \pm 7%
3.	Ends/Inch	ASTM-D 3775	120 \pm 5%
4.	Picks/Inch	ASTM-D 3775	56 \pm 4%
5.	Weight/Sq Meter (Gram)	ASTM-D 3776	225 \pm 5%
6.	Weave		3/1 (Twill)
7.	Composition 70% Cell30%		
	Cotton	ATTCC 20,20A	48% \pm 5%
	Polyester		52% \pm 5%
8.	Nature of Dye		Disperse + VAT
9.	Shrinkage in Warp/Weft.		\pm 2.5% (Maximum).
10.	Width.	ASTM-D 3774	56" \pm 0.5"
11.	Colour Fastness to Chlorine		
	Change in Shade	TSO 105-NO1	4 (Minimum.)
	Staining on Cotton		4 (Minimum.)
12.	Colour Fastness to Washing		
	Change in Shade	ATTCC 61-3A	4 (Minimum)
	Staining on Cotton		4 (Minimum)
13.	Colour Fastness to Rubbing		
	Dry	ATTCC 8 71 Dr for 42 mm Ts.	4 (Minimum)
	Wet		3 (Minimum)
14.	Colour Fastness to light (24 hours)	AATCC 16E	4-5 (Minimum)
15.	Colour Fastness to perspiration		
	Change in Shape	ATTCC 15	4 (Minimum)
	Staining on Cotton		4 (Minimum)
16.	Smoothness Appearance	ATTCC 124	2 - 3 (Minimum)

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STANDARD SPECIFICATION POLO CAPS FOR TRAFFIC POLICE

S. No.	Test	Specified limit Outer Cloth
1	Wt/Sq mtr RH 64% at 21 °C	160 gm
2	Thread 25 mm	
	One side	135
	Other side	59
3	Weave	3/3 Twill
4	Washing-3	
	Change in shade	GS No.4
	Staining on cotton	GS No.4
	Staining on polyester	GS No.3/4
5	Material	Polyester
6	Nature of Dye	Disperse
		Inner Cloth PC used in cap
7	Wt/Sq mtr RH 64% at 21 °C	165 gm
8	Thread 25mm	
	One side	66
	Other side	57
9	Weave	Plain
10	Material	
	Cotton	All cotton
	Polyester	-
		Velcro used in cap
11	Width	
	Male	20, 21 mm
	Female	20, 21 mm
12	Material	-
		Netting used in cap
13	Mash size	-
14	Material	Polyester

Polo Cap made of Navy Blue PC Twill, with Traffic Police Monograms (embroidery) with fast colour polyester thread. A ribbon of 3 colours (as per sample) will be stitched below the monogram. Sun shield will be stitched in double needle. In the middle of the Cap good quality black net will be stitched and good quality Velcro also will be stitched on the back loop.








VEB BELT FOR TRAFIC POLICE

S.#	DESCRIPTION	SPECIFICATIONS
1.	Material	Nylon (Black)
2.	Width	2 ¼ ± 1% inch
3.	Length	48 ± 1 inch
4.	Ring Material	Stainless Steel
5.	Buckle Plate (Material)	Stainless Steel Engraved insignia of "SINDH POLICE" Gauge of steel should be 20 gauge.

Jika Saye

Wale

ad. uf.

**STANDARD SPECIFICATIONS: RAIN COT WITH HOOD FOR TRAFFIC
POLICE**

1. MATERIAL.....WHITE REXZINE.
2. LENGTH..... 45"
3. WIDTH.....24"
4. POCKET.....2 with flap and closing button.
5. IT SHOULD HAVE FRONT OPENING TO CLOSE WITH
FOUR PLASTIC BUTTON OF GOOD QUALITY.
6. ONE BELT WITH IRON BUCKLE.
7. A LARGE BLUE COLOUR MONOGRAM WITH LETTER
"POLICE" ON THE BACK AND A MEDIUM MATCHING
MONOGRAM ON THE FRONT.
8. SIZES.....LARGE & EXTRA LARGE.

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STANDARD SPECIFICATIONS: REFLECTIVE JACKETS

1. HIGH VISIBILITY SATURN YELLOW COLOUR WASHABLE AND HIGHLY DURABLE MATERIAL SUITABLE FOR TROPICAL CONDITION SHOULD CONSIST OF LARGE BLUE COLOUR MONOGRAM WITH HIGHLY REFLECTIVE LETTERS "POLICE" ON THE BACK AND A MEDIUM MATCHING MONOGRAM ON THE FRONT INCLUDING WHITE STRIPES IN TOP QUALITY RETRO-REFLECTIVE MATERIAL AND IS FITTED WITH VERY DURABLE ZIP, FULL SLEEVES.

2. SIZES.....MEDIUM/LARGE AND EXTRA LARGE.

John S. J.

John S. J.

John S. J. N.Y.

STANDARD SPECIFICATIONS: DERBY BOOTS FOR TRAFFIC POLICE

S.No	Description	Specification
1.	Design / Construction	9 ¼ ± ¼ inch derby style zipper boot with toe, Upper with cow full grain Leather.
2.	Sole	TPR With Heel
3.	Insole	Latex board/ Winner tex with shank Board (2mm)
4.	Zipper	Y.K.K Imported Zipper (Min 15CM)
5.	Linning	Buff Brn with thickness minimum 0.5mm+ Crimping Cloth at vamp portion
6.	Socks	Buff Leather snuffed brown thickness min 0.5mm with EVA sheet Half.
7.	Thread	Nylon / Polyester
8.	Upper Material	Cow Full Grain Leather
9.	Feel	Medium soft
10.	Vamp (Thickness)	1.4-1.6mm(Without Lining)
11.	Quarter (Thickness)	1.4-1.6mm(Without Lining)
12.	Toe (Thickness)	1.4-1.6mm(Without Toe Puff)
13.	Chemical & Physical Properties of leather:	
	Chormium Oxide IUC/8	2.5 (Min)
	Oil & Fats IUC/4	3.5 (Min)
	Flaz Meter IU/20	No Crack in Upper Leather at 20,000.Flexes.
	Tear Strength IUP/8	Min 100n (Min)
14.	Sole (Stuck on)	TPR with Heel
15.	Sole AT Toe	15-17 mm
16.	Sole AT Heel	28-30 mm
17.	Hardness	50-60
18.	Sole Attachment.	
	Toe	Min 15 Kg
	Hell	Min 30 Kg
19.	Toe Puff and Counter Stiffener:-	
	Toe Puff	Thermoplastic 1.0 mm Minimum
	Counter Stiffener	Thickness 1.0 mm Minimum
20.	Shank	Good Quality Steel
21.	Thickness	0.9 mm (Min)
22.	Width	1.0 mm (Min)
23.	Length	9.0 mm (Min)
24.	Socks (material Thickness)	Buff Leather snuffed brown thickness min 0.5mm with EVA sheet Half

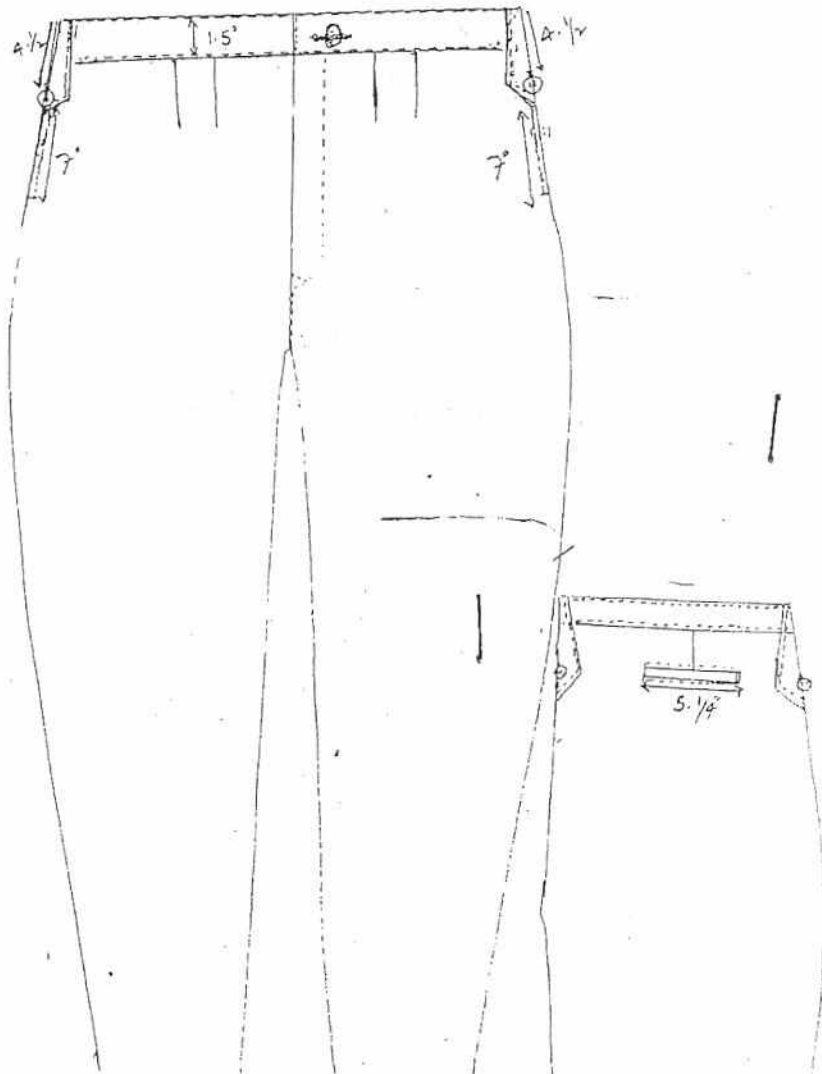
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 [Signature] Jua Sggs

Handwritten signatures and initials:
 [Signature] mf.

3

(10)

Sindh Police Pant



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SEWING THREAD

<u>Balance of twist</u>	<u>50/3 Color according to matching fabric</u>
-------------------------	--

PAPER FUSING

SIZE & CARE LABEL

<u>Wt/sq mtr</u>	<u>65 + 5 gm</u>
<u>Material</u>	<u>100% polyester</u>
<u>Size</u>	<u>As per requirement</u>
<u>Color</u>	<u>White</u>
<u>Weave</u>	<u>Plain</u>

BUTTONS KHAKI #24-L

<u>MATERIAL</u>	<u>UREA MATERIAL</u>

POLYTHENE BAG TRANSPARENT (TROUSER / SHIRT)

<u>MATERIAL</u>	<u>POLYTHENE</u>
<u>THICKNESS</u>	<u>0.127mm + 0.027</u>
<u>SIZE</u>	<u>SUITABLE SIZE</u>

TRANSPARENT ADESIVE TAPE 10CM (TROUSER/SHIRT)

TRANSPARENT ADHESIVE TAPE 2.5CM

CORRUGATED CARD BOARD 7 PLY (TROUSER/SHIRT)

Handwritten signatures:
Jhal, Syge, and a large signature on the left.

Handwritten signatures:
Cameli and MF.

SPECIFICATION
TROUSER'S MEN'S WHITE FOR TRAFFIC

- a. All measurements are in inches.
- b. Tolerance $\pm 3\%$
1. **Pattern.** Trouser with 1.5" wide belt duly re-enforced with paper fussing having sewn 2 pleat at front on each side and dot sewn at back on each trouser shall be with three points belt loops fastened with visible buttons, two side pockets of 7" opening wide, cut pocket at hip with deep jetted to button through loop with place khaki urea color button, size of fly should not be less then 8" in length. Belt should be in 2 pieces with adjustable allowance 1.5 both side.
2. **Belt Loops.** Pattern of belt loops should be as per approved sample.
3. Buttons should be inserted instead Zip.
4. Seem at inner back rise should be doubled.
5. **Packing:** The store when ordered to be delivered "Packed" shall be packed as under.

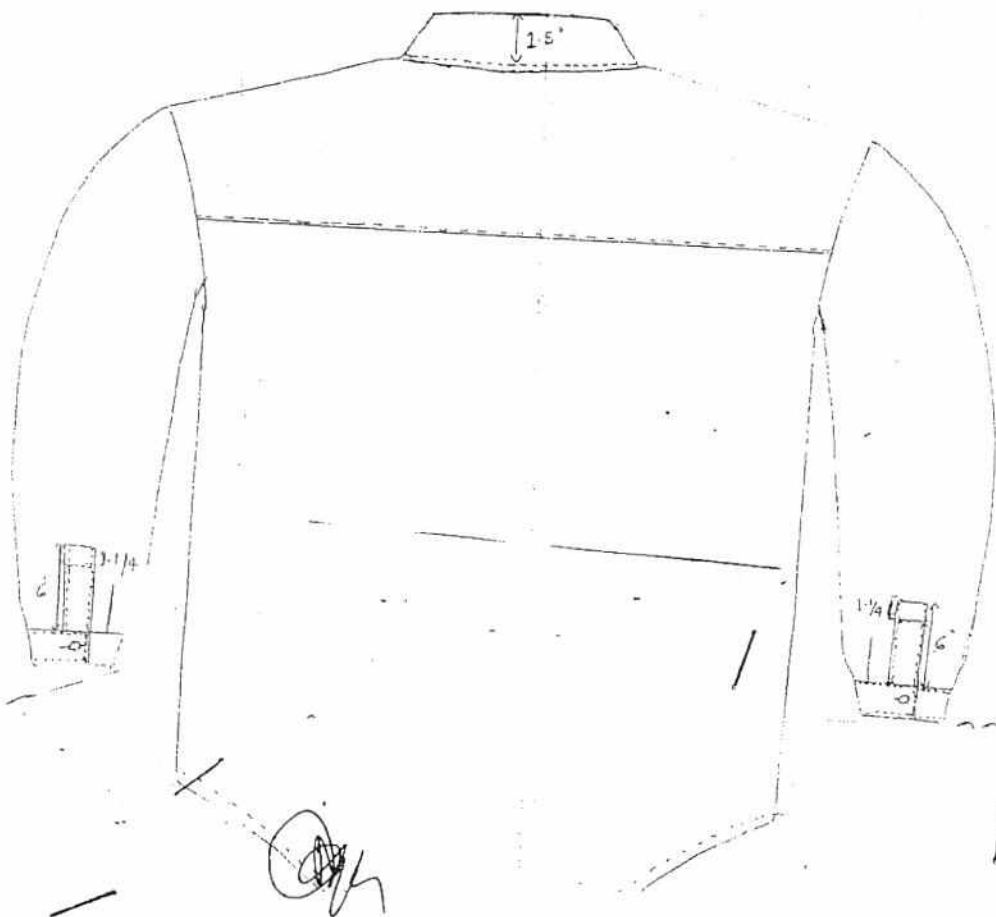
Each set (shirt/Trouser) shall be properly folded and place in polythene of suitable size, the mouth of bag shall be sealed with transparent tape.
- c. Ten (10) (Shirt/Trouser) such bags shall be packed in carton corrugated 7 ply board.
- d. Each carton shall contain one size only.
6. **Size.** As per sizes given below.

MEASUREMENT STITCHED TROUSER

<u>Trouser</u> <u>Waist</u>	<u>Trouser</u> <u>Length</u>
<u>29</u>	<u>40</u>
<u>31</u>	<u>41</u>
<u>33</u>	<u>42</u>
<u>35</u>	<u>42</u>
<u>37</u>	<u>42</u>
<u>39</u>	<u>43</u>
<u>41</u>	<u>43</u>
<u>43</u>	<u>44</u>
<u>45</u>	<u>44</u>
<u>47</u>	<u>44</u>
<u>49</u>	<u>44</u>

4
Singh Police Sheet

Back

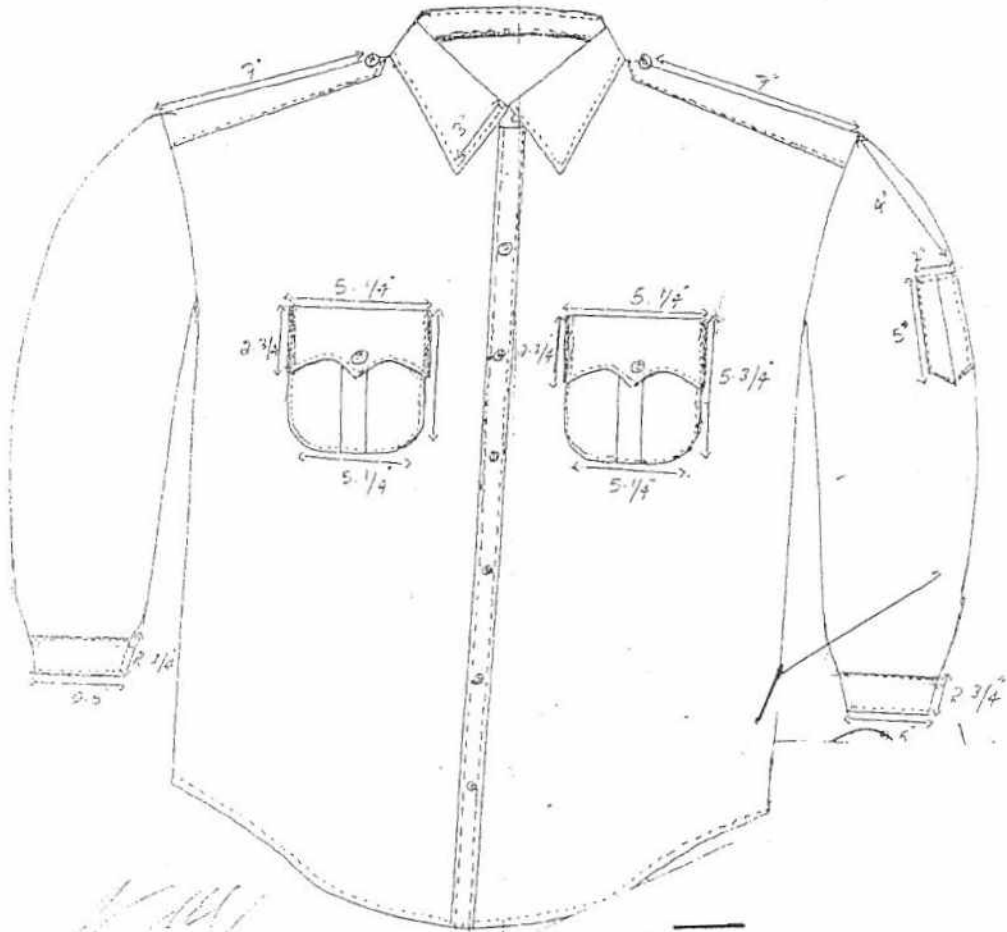


juai
Sagga
pudo

mf.

Sindh Police Shirt

Front



front

back

collar

SEWING THREAD

<u>Balance of twist</u>	<u>50/3 Color according to matching fabric</u>
-------------------------	--

PAPER FUSING**SIZE & CARE LABEL**

<u>Wt/sq mtr</u>	<u>65 + 5 gm</u>
<u>Material</u>	<u>100% polyester</u>
<u>Size</u>	<u>As per requirement</u>
<u>Color</u>	<u>White</u>
<u>Weave</u>	<u>Plain</u>

BUTTONS KHAKI #24-L

<u>MATERIAL</u>	<u>UREA MATERIAL</u>

POLYTHENE BAG TRANSPARENT (TROUSER / SHIRT)

<u>MATERIAL</u>	<u>POLYTHENE</u>
<u>THICKNESS</u>	<u>0.127mm + 0.027</u>
<u>SIZE</u>	<u>SUITABLE SIZE</u>

TRANSPARENT ADESIVE TAPE 10CM (TROUSER/SHIRT)**TRANSPARENT ADHESIVE TAPE 2.5CM****CORRUGATED CARD BOARD 7 PLY (TROUSER/SHIRT)**

Final

Segg

Yadav

QMA

Nf

SPECIFICATION
SHIRT MEN'S WHITE FOR TRAFFIC

- a. All measurements are in inches.
- b. Tolerance $\pm 3\%$

1. Collar. Two piece collars should be used for shirt collar point should be 3". Collar height 1.5".
2. Shoulder Strap. Length of shoulder strap should be up to 7 inch as per approved sample.
3. Cuffs. Arms Cuffs should be in Square Instead of round shape. Height $2\frac{3}{4}$ and with are as follows

S.M.L

XL, XXL, XXXL

4. FLAPS Width $5\frac{1}{4}$ Height from center $2\frac{3}{4}$ (Sindh Police Pattern).
5. Pockets Box pleat pockets from end should be rounded. Width $5\frac{1}{4}$ " Length $5\frac{1}{4}$
6. Pocket measurement with Flap Length $5\frac{3}{4}$ Width $5\frac{1}{4}$
7. Stitching 9-11 Stitches per inch.
8. Stitching thread / sewing thread, sufficiently strong with excellent dye fastness is required to be used for throughout stitching / sewing.

Size. As per sizes given below.

MEASUREMENT STITCHED MAZRI SHIRT

MAZRI SHIRT				
Collar	Length	Shoulder	Chest	Sleeve
14	28	$16\frac{1}{2}$	39	23
$14\frac{1}{2}$	28	$17\frac{1}{2}$	41	24
$15\frac{1}{2}$	29	$18\frac{1}{2}$	44	24
$16\frac{1}{2}$	30	19	46	$24\frac{1}{2}$
$16\frac{1}{2}$	30	19	46	25
17	30	20	46	25
$17\frac{1}{2}$	30	20	48	$25\frac{1}{2}$
18	30	21	52	26
18	31	22	54	26
18	32	22	54	26
18	32	22	56	26

Handwritten signatures: *Yad*, *Jua*, *Sayy*

Handwritten signatures: *af*, *MF*

STANDARD SPECIFICATIONS: WHITE CLOTH FOR TRAFFIC POLICE
(FOR STITCHED UNIFORM)

1	Warp / cm	32
2	Weft / cm	28
3	Warp yarn	30 / 2
4	Weft Yarn	20
5	Construction	30 / 2 x 20 / 80 x 72
6	Fabric Composition	80% Polyester, 20% Viscose
7	Type of Weave	Twill Weave 2 / 1
8	Finish Fabric Weight	210 gm per square meter
9	Finish Width	59"
10	Colour	Optical White
11	Whiteness	Berger White 120 (Minimum)
12	Shrinkage	
	Warp	1%
	Weft	1%
13	Finishing	Easy Care Hydrophilic finish with soil release properties

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Handwritten signatures: [Signature 4] [Signature 5]

STANDARD SPECIFICATIONS: K.D. CLOTH FOR M.T. DANGRI (STITCHED)

1. Nature of Fibre.....a) Cotton....65%± 5%.
b) Polyester 35%±5%
2. Shade.....Khaki.
3. Width. (inch).....Not less then 56"
4. Weight/square meter (Gram)..... 260±5%.
5. Ends/inch.....128±5%
6. Picks/Inch.60s±5%
7. Count of Warp.....29.52 tex±5%
8. Count of Weft.36.90 tex ± 5%
9. Shrinkage in Warp/Weft.....2% maximum
10. Breaking Strength a) Warp 310 Kgs/±5%
(10.2 x16.8 cm B.G). b) Weft 130 Kgs/±5%
11. Wave..... 3/1 (twill)
12. Washing Test (ISO 3) a) Change in Colour GS 4 Min
b) Staining to cotton GS 4 Min
13. Rubbing Fastness a) Dry Rubbing. GS 4 Min
(Crock meter test). b) Wet Rubbing. GS3-4 Min
14. Nature of Dye. Disperse + Vat.
15. Scouring Loss %1.3% Maximum.
16. Light Fastness
(Fede-o-Meter, 16 Hrs).....BS 4 Maximum.
17. The hemming of each meter of the cloth should read "Manufactured for Sindh Police by

M/s _____

Lot No. _____

Date: _____

upad, jua, seyyer

amir, mf.

STANDARD SPECIFICATIONS: M.T (DRIVER) BOOTS

1. BOND TEST.

Toe at 40 Lbs (L&R odd).....No Separation at 40 Lbs.
Middle at 40 Lbs (L&R odd).....No Separation at 40 Lbs.
Heel at 80 Lbs (R odd).....No Separation at 80 Lbs.
Heel at 80 Lbs (L odd).....No. Separation at 80 Lbs.

2. THICKNESS OF UPPER.

Vamp.....1.6-1.8 mm.
Toe Cap.....1.6-1.8 mm.
Quarter.....1.4-1.6 mm.

3. CRACKNESS OF GRAIN (UPPER)... No Crack after 20,000 flexes double folding

4. CHROMIUM%.....2.9% Min.

5. IDENTIFICATION OF LEATHER.

Quarter (L & R odd).....Buffalo full Grain.
Vamp (L & R odd).....Buffalo full Grain.
Tongue (L & R odd).....Buffalo full Grain.

LACES BOOT.

6. Length with Tips.....148 to 150 cm.

7. CONSTRUCTION.

Braided Yarn.....16 Cord each single.
Core Yarn.....3 Cord each single.

8. COUNT/DEN OF YARN

Braided Yarn.....1506 Den.
Core Yarn.....7.5/s

9. WASHING-2.

Change in shade.....GS NO. 4
Staining on Cotton.....GS No. 4.

10. Chrome VI Content (ISO-17075)

Max. 2.5mg/kg

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SPECIFICATIONS OF DDS BOOT FOR CTD

DESIGN	Derby style combat boot in Black Zuggrain Leather with plain toecap 3 eyelets. 5 hooks V cut with polyurethane sole.
MATERIAL	The boot shall be manufactured from following materials.
<u>COMPONENT /PARTS</u>	<u>MATERIAL</u>
Sole	Polyurethane (as per EN 345)
Shank	Mild Steel (length 4" inch)
Binding Adhesive	PU (Graft Adhesive)
Insole	leather board
Upper components	Zuggrain & plain Lather (Black full grain full chrome)
Fabric	Nylon Fabric 200GSM
Vamp lining	Canvas 150 GSM
Zip	Vislon 8" original YKK Zipper
Stiffener	Split Leather
Toe puff	Split Leather
Insock	Rubber sheet (thickness 2.5 mm)
Thread	Nylon 3 chord multifilament
Eyelet	Double eyelet, Black Brass japanned.
Speed hooks	Black Brass 5 per quarter
Webbing	Nylon 2" in both sides of quarter
Webbing	Nylon 1" at back side of quarter
Laces	Polyester Lace with plastic round tips 62" length.
<u>COMPONENTS</u>	<u>SUBSTANCE, (MIN) MM</u>
Vamp	2.00-2.5
Counter	1.5-2.00
Stiffener/Toe puff	1.00-1.5
Insole	3.00-3.5
STITCHING	Upper components shall be closed by lock stitching with nylon thread.
EYELETING	There pieces of double eyelets black brass and five pieces of black brass japanned speedy hooks shall be fitted on each quarter facing.
LASTING	Upper shall be fitted on last properly for shape retaining. For suitable time.
SOLE PASTING	Pasting of sole to the upper shall be done on high pressure hydraulic cementing machine.
SOLE TRACTION PATTERN	As per approved sample.








SPECIFICATION OF CTD UNIFORM CAMOUFLAGE CLOTH

Description	Camouflage cloth
Blend	100% cotton
Count of Yarn	
Warp	16
Weft	12
Read	108
Pick	48
Width	57"/58"
Weight	250 GSM
Nature of Dye	Reactive

Spide Jua. Sayer

Ameci MF

STITCHED K.T CLOTH WHITE (SHALWAR QAMEEZ) FOR (SB, CTD & NAIB QASID)

S. NO.	PARTICULAR	SPECIFIED LIMIT
1	Count of Yarn	
	a. Warp	$36 \pm 3\%$
	b. Weft	$36 \pm 3\%$
2	Construction of Fabric	
	a. Ends	120 ± 5
	b. Pick	84 ± 5
3	Composition of Fabric	
	a. Polyester	80% Tolerance $\pm 5\%$
	b. Viscose	20% Tolerance $\pm 5\%$
4	Colour White	
	a. Berger	$150 \pm 5\%$
5.	Colour Fastness to washing	
	a. Change and Shade	GS No.4
	b. Staining on Cotton	GS No.4
6.	Nature of Dye	Disperse Vat

Handwritten signature: Jua Sayy

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WAIST COAT FOR CTD & SPECIAL BRANCH

S. No.	Test	Specified Limit	
		Outer Fabric	Inner Fabric
1	Wt/Sq mtr RH 64% at 21 °C	215 ± 5 gm	55 ± 3 gm
2	Weave	Plain	Plain
3	Thread/25 mm		
	Warp	43,44	52 = cm
	Weft	36, 37	28 = cm
4	Denier		
	Warp	531 Den	65 Den
	Weft	531 Den	65 Den
5	Washing-3		
	Change in shade	GS No. 4	-
	Staining on cotton	GS No. 4	-
6	Washing-2	-	GS No. 4
	Change in shade	-	GS No. 4
	Staining on cotton		
7	Material	(80% polyester & 20% viscose)	(100% polyester)
8	Nature of dye	Disperse	Disperse

Yusef Jua Seggu

and 14

SAFARI SUIT FOR CTD & SPECIAL BRANCH

S. No.	Test	Fabric
1	WT/SQ MTR RH 64% @ 21 °C	150 gms \pm 5 gms
2	WEAVE	PLAIN
3	THREAD /25 MM	
	Warp	74, 75
	Weft	60, 61
4	DENIER	
	Warp	265 DEN (+/-) 5
	Weft	265 DEN (+/-) 5
5	WASHING-3	
	Change in Shade	GS No.4
	Staining on Cotton	GS No.4
6	MATERIAL	80% Polyester & 20% Viscose
7	NATURE OF DYES	Disperse / Reactive or
		Disperse / VAT

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TROPICAL SUITS (PANT & COAT) FOR SPECIAL BRANCH

S. No.	Test	Specified limit		Specified limit
		Coat		Paint
		Outer fabric	Inner lining	
1	Wt/Sq mtr RH 65% at 21 °C	195 ± 5 gm	55 ± 3 gm	195 ± 5 gm
2	Weave	2 x 2 Twill	Plain	2 x 2 Twill
3	Thread/25 mm			
	Warp	92, 93	124, 25	92, 93
	Weft	81, 82	70, 71	81, 82
4	Count of yarn			
	Warp	20/1		20/1
	Weft	20/1		20/1
5	Denier			
	Warp	263 DEN	65 DEN	263 DEN
	Weft	263 DEN	65 DEN	263 DEN
6	Shrinkage %	Nil	Nil	Nil
	Warp	Nil	Nil	Nil
	Weft	Nil	Nil	Nil
7	Washing-3			
	Change in shade	GS No. 4	-	GS No. 4
	Staining on cotton	GS No. 4	-	GS No. 4
	Staining on polyester	GS No. 4	-	GS No. 4
8	Washing-2			
	Change in shade	-	GS No. 4	-
	Staining on cotton	-	GS No. 4	-
	Staining on polyester	-	GS No. 4	-
9	Perspiration (Acid/Alkali)			
	Change in shade	GS No. 4	GS No. 4	GS No. 4
	Staining on cotton	GS No. 4	GS No. 4	GS No. 4
	Staining on polyester	GS No. 4	GS No. 4	GS No. 4
10	Material	80% Polyester 20% Viscose	100% Polyester	80% Polyester 20% Viscose
11	Nature of Dye	Disperse & Reactive	Disperse Dye	Disperse & Reactive








MAZRI CLOTH FOR LADY POLICE

S.#	TEST	TEST METHOD	SPECIFICATION
1	Warp Count (Combed)=	ASTM-D 1059	20s \pm 4%
2	Weft Count(Combed)	ASTM-D 1059	20s \pm 4%
3	Ends/Inch	ASTM-D 3775	72 \pm 4%
4	Picks/Inch	ASTM-D 3775	48 \pm 4%
5	Weight/Sq Meter (Gram)	ASTM-D 3776	150 \pm 4%
6	Weave		Cellular
7	Composition 70%Cell 30% i) Cotton ii)Polyester	ATTCC 20,20A	70% \pm 4% 30% \pm 4%
8	Nature of Dye		Disperse+VAT
9	Shrinkage in Warp/Weft.		2% (Maximum).
10	Width.	ASTM-D 3774	36"-0.5" (Maximum)
11	Smoothness Appearance	AATCC 124	3 (Minimum.)
12	Pilling NU Martindale	ASTM-D4970(1000 Cycle)	4 (Minimum)
13	Colour Fastness to Washing Change in Shade Staining on Cotton	ATTCC 61-3A	4 (Minimum) 4 (Minimum)
14	Colour Fastness to Rubbing Dry Wet	ATTCC 8 71 Dr for 42 mm Ts.	4 (Minimum) 2-3 (Minimum)
15	Colour Fastness to light (24 hours)	ATCC 16E	4-5 (Minimum)
16	Colour Fastness to perspiration Change in Shape Staining on Cotton	ATTCC 15	4 (Minimum)
17	The hemming of each meter of the cloth should read "Manufactured for Sindh Police by M/s _____ Lot No. _____ Date: _____"		








**STANDARD SPECIFICATIONS: CELLULAR KHAKI CLOTH FOR
LADY POLICE.**

S.#	TESTS	TEST RESULT
1.	Count of Warp	20.2s
2.	Count of Weft	14.8s
3.	End (inch)	89
4.	Picks (inch)	55
5.	Weight / square meter (Gram)	192 g
6.	Weave	Cellular
7.	Composition	
	a) Cotton	65.3%
	b) Polyester	34.7%
8.	Nature of Dye	Disperse + Vat
9.	Shrinkage	
	Warp	2.0 %
	Weft	2.0 %
10.	Width	65.5" /64.2"
11.	Colour Fastness to Washing	
	Change in Shade	GS 4
	Staining on Cotton	GS 4

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STANDARD SPECIFICATIONS: SOCKS FOR LADY POLICE

S. No	Description	Specification
1.	COLOUR	NAVY BLUE
2.	COTTON	70% \pm 5%
3.	COUNT	20'S CARDED
4.	POLYESTER 150D	30% \pm 5%
5.	COURSES / INCH	22 \pm 5%
6.	WEIGHT PER PAIR	30/32 GRMS
7.	WASHING INTERNATIONALLY ACCEPTED	3./4
8.	<u>RUBBING FASTNESS.</u>	
	a. Dry	3./4
	b. Wet	3./4
9.	TYPE OF HEEL	REAL HEEL
10.	STITCHING THREAD TOE PORTION	NYLON
11.	LADIES SIZE EURO SIZE 35/38	
12.	FOOT 25 CM	
13.	LEG 25 CM	
14.	ANTI ALLERGIC, ANTI BACTERIAL, ANTI FUNGUS TREATMENT.	

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SPECIFICATION OF LADY POLICE SHOE FOR SINDH POLICE.

Design:	Oxford style in black Analin Leather with four Eyelets.
Material:	
Sole	PVC/ PU
Heal	1.25 inch
Shank	Mid steel 4 inch
Binding adhesive	Hardner
Insole	Leather Board
Insocks	soft material
Vamp Lining	Canvas
Stiffener	Tollen paper
Toe Puff	Tollen paper
Upper Components	Analin Leather
Toe and Counter	Tollen material
Thread	Nilone 3/50
Eyelet	Four black
Laces	Nilone

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TRACK SUIT FOR SPG/RRF

S. No.	Test	Specified Limit (Black Cotton used)	
		Shirt	Trouser
1	Wt/Sq mtr RH 64% at 22 °C	185 gm	185 gm
2	Thread/25 mm		
	Warp	129, 128	120, 119
	Weft	90, 91	90, 91
3	Shrinkage %		
	Warp	Nil	Nil
	Weft	Nil	Nil
4	Count of yarn		
	Warp	74.5 Den	77.1 Den
	Weft	Loose structure	
5	Weave	Plain	Plain
6	Washing-3		
	Change in shade	GS No. 4	GS No. 4
	Staining on cotton	GS No. 4	GS No. 4
	Staining on polyester	GS No. 4	GS No. 4
7	Material	Polyester	Polyester
8	Nature of Dye	Disperse	Disperse
		(Elastic cord used)	
9	Circumference	5.5, 6 mm	5.5, 6 mm
10	Wt/Linear mtr	3.5 gm	3.38 gm
		(Cloth Netting used)	
11	Wt/Sq mtr	544 gm	617 gm
12	Mesh size 25 mm	9x10 hole	8x9 hole
13	Washing-3		
	Change in shade	GS No. 4	GS No. 4
	Staining on cotton	GS No. 4	GS No. 4
	Staining on polyester	GS No. 4	GS No. 4
14	Material	Polyester	Polyester
15	Nature of Dye	Disperse	Disperse
		(Ferozi cotton used)	
16	Washing-3		
	Change in shade	GS No. 4	GS No. 4
	Staining on cotton	GS No. 4	GS No. 4
	Staining on polyester	GS No. 4	GS No. 4
17	Material	Polyester	Polyester
18	Nature of Dye	Disperse	Disperse
19	Width	Nil	Nil



T-SHIRT BLACK ROUND NECK FOR SPG/RRF

S. No.	Test	Specified limit
1	Wt/Sq mtr RH 65% at 22 °C	195.4 gm
2	Shrinkage%	
	Length	2.5%
	Width	37, 36
3	Wales/ 25 mm	50, 51
4	Course/ 25 mm	27.0 Tex
5	Count of yarn	GS No.4
6	Washing-3	
	Change in shade	GS No.4
	Staining on cotton	GS No.3
7	Perspiration (Acid/Alkali)	
	Change in shade	GS No.4
	Staining on cotton	GS No.4
8	Material	-
9	Nature of Dye	Disperse & Reactive Dye
10	Scouring loss	0.8%

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BLACK POLO SHIRT FOR SPG/RRF

S. No.	Test	Specified limit
1	Wt/Sq mtr RH 65% at 22 °C	238.0 gm
2	Shrinkage%	
	Length	6.0%
	Width	2.0%
3	Wales/ 25 mm	24, 25
4	Course/ 25 mm	Not possible
5	Count of yarn	32.6 tex
6	Washing-3	
	Change in shade	GS No.4
	Staining on cotton	GS No.3
7	Perspiration (Acid/Alkali)	
	Change in shade	GS No.4
	Staining on cotton	GS No.4
8	Material	Cotton
9	Nature of Dye	Reactive Dye
10	Scouring loss	0.8%









BERET CAP RED FOR SPG/RRF

S. No.	Test	L/Wing Specified limit
1	Wt/Sq mtr RH 64% at 22 °C	600.2 gm
2	Shrinkage %	
	One side	11%
	Other side	10%
3	Washing-3	
	Change in shade	GS No. 4
	Staining on cotton	GS No. 2/3
	Staining on polyester	GS No. 3
4	Material	
	Wool	96.3%
	Other	3.7%
5	Nature of dye	Acid dye
		Cloth lining used in cap
6	Wt/Sq mtr RH 64% at 22 °C	112.3 gm
7	Thread	
	One side	141, 143
	Other side	84, 83
8	Washing-3	
	Change in shade	GS No. 4
	Staining on cotton	GS No. 4
	Staining on polyester	GS No. 4
9	Material	Polyester
10	Nature of dye	Disperse dye
		Piping
11	Wide	29, 30 mm
12	Washing-3	
	Change in shade	GS No. 4
	Staining on cotton	GS No. 4
	Staining on polyester	GS No. 4
13	Construction of stitching thread	2 cord each single

POLO CAP FOR SPG/RRF

S. No.	Test	Specified limit Outer Cloth
1	Wt/Sq mtr RH 64% at 21 °C	160.8 gm
2	Thread 25 mm	
	One side	134, 135
	Other side	58, 59
3	Weave	3/3 Twill
4	Washing-3	
	Change in shade	GS No.4
	Staining on cotton	GS No.4
	Staining on polyester	GS No.3/4
5	Material	Polyester
6	Nature of Dye	Disperse
		Inner Cloth PC used in cap
7	Wt/Sq mtr RH 64% at 21 °C	164.3 gm
8	Thread 25mm	
	One side	65, 66
	Other side	56, 57
9	Weave	Plain
10	Material	
	Cotton	All cotton
	Polyester	-
		Velcro used in cap
11	Width	
	Male	20, 20.5 mm
	Female	20, 20.5 mm
12	Material	-
		Netting used in cap
13	Mash size	-
14	Material	Polyester

mpd,

ji

segg

amc

mf

SPECIFICATIONS OF COMMANDO BLACK UNIFORM FOR SPG/RRF

Sr.#	TEST	TEST METHOD	SPECIFICATIONS
1.	Warp Count (Combed)	ASTM-D 1059	40/2 \pm 7%
2.	Weft Count(Combed)	ASTM-D 1059	40/2 \pm 7%
3.	Ends/Inch	ASTM-D 3775	120 \pm 5%
4.	Picks/Inch	ASTM-D 3775	56 \pm 4%
5.	Weight/Sq Meter (Gram)	ASTM-D 3776	225 \pm 5%
6.	Weave		3/1 (Twill)
7.	Composition 70% Cell30%		
	Cotton	ATTCC 20,20A	48% \pm 5%
	Polyester		52% \pm 5%
8.	Nature of Dye		Disperse + VAT
9.	Shrinkage in Warp/Weft.		\pm 2.5% (Maximum).
10.	Width.	ASTM-D 3774	56" \pm 0.5"
11.	Colour Fastness to Chlorine		
	Change in Shade	TSO 105-NO1	4 (Minimum.)
	Staining on Cotton		4 (Minimum.)
12.	Colour Fastness to Washing		
	Change in Shade	ATTCC 61-3A	4 (Minimum)
	Staining on Cotton		4 (Minimum)
13.	Colour Fastness to Rubbing		
	Dry	ATTCC 8 71 Dr for 42 mm Ts.	4 (Minimum)
	Wet		3 (Minimum)
14.	Colour Fastness to light (24 hours)	AATCC 16E	4-5 (Minimum)
15.	Colour Fastness to perspiration		
	Change in Shape	ATTCC 15	4 (Minimum)
	Staining on Cotton		4 (Minimum)
16.	Smoothness Appearance	ATTCC 124	2 - 3 (Minimum)

		<p>e. The collar & cuffs on the Polo Shirt shall be P/C as per sample.</p> <p>f. In No case the Polo shall be over border to increase the dimensions. The finish of the Polo shall be soft.</p> <p>g. Tape textiles 5 mm wide inside of shoulder seam as stay piece shall be provided and self-material piece 12 mm wide shall be provided at back of the neck.</p> <p>h. The word "Police" at back should be printed in fibber print.</p> <p>i. The logo of Sindh Police should be printed on left side at front (Chaste).</p> <p>j. <u>Velcro Strip:</u> Velcro strip (size 4" * 1") of same colour should be stitched on right side of Polo.</p> <p>k. <u>Stitching:</u> 10-12 stitches per inch. All seems shall be seemed with over lock using sewing thread polyester black 3/11.8 Tax (3.50s).</p> <p>l. Each Polo shall have a printed label clearly and indelibly marked with contractor's name, or recognized Trade Marks, the year of manufacture designation of store and size. Material of the label should be soft which should not be irritating uncomfortable to the user.</p> <p>(i). The workmanship and finish of the polo shall be equal to the sample available with Sindh Police Headquarters Pakistan. It shall be best of its class and to the entire satisfaction of the inspector.</p> <p>m. Sizes Polo Shirt will be manufactures in following sizes:-</p> <ol style="list-style-type: none"> Small Medium Large X Large XX Large
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SPECIFICATIONS OF COTTON POLO SHIRT BLACK COLOUR

Men's Cotton knitted Half Sleeve Polo Shirt Black Colour

S. #	DESCRIPTION	SPECIFICATIONS
1.	<u>Knitted Fabric.</u> a. i) Knitting ii) Weight b. Yarn c. Knitted Fabric	i) The fabric shall be single pique knit ii) 240 grams \pm 10 gram per square meter 52% polyester 48% cotton hosiery yarn of 20/S \pm 3% c) The knitted fabric shall be properly dyed and shall be washed free from soap before dying. It must also be free from oil/grease.
2.	<u>Stitching,</u>	Flat Lock & Over Lock. Sewing threads polyester Black colour 3/11.8 Tex and 2/11.8 Tex (3/50s).
3.	<u>Nature of Dye Shade</u>	Reactive Dye/
4.	<u>Washing Test ISO-3/Perspiration Test (Acidic Akin Line):</u> a. Change of Shade b. Staining on Cotton c. Staining on Woollen	 ➤ GS No.4.0 ➤ GS No.4.0 ➤ GS No.4.0
5.	<u>Shrinkage</u>	The Polo Shirt will not show a decrease of more than 6% at the chest or in the length, when tested.
6.	<u>General directions for Manufacture</u>	a. The Men's Cotton Knitted Half Sleeve Polo Black Colour Shall be manufactured from the specific knitted fabric to the shape and design of the pattern as per sample. b. The Polo shall be manufactured with side seam. c. All seams shall be secured with over lock stitching having four threads using sewing thread polyester black colour 3/11. Tax (3/50s). d. The bottom shall be hemmed 25 mm wide, it shall be secured by flat locking having three threads using sewing thread polyester Black 3/11. Tax (3/50s).

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STANDARD SPECIFICATIONS: DERBY BOOTS URBAN AREA

Police Shoes Specification		
S. #	Description	Specification
1.	Design / Construction	7 ¼ ± ¼ inch derby style zipper boot with toe, Upper with cow full grain Leather.
2.	Sole	TPR With Heel
3.	Insole	Latex board/ Winner tex with shank Board (2mm)
4.	Zipper	Y.K.K Imported Zipper (Min 15CM)
5.	Linning	Buff Brn with thickness minimum 0.5mm+ Crimping Cloth at vamp portion
6.	Socks	Buff Leather snuffed brown thickness min 0.5mm with EVA sheet Half.
7.	Thread	Nylon / Polyester
8.	Upper Material	Cow Full Grain Leather
9.	Feel	Medium soft
10.	Vamp (Thickness)	1.4-1.6mm(Without Lining)
11.	Quarter (Thickness)	1.4-1.6mm(Without Lining)
12.	Toe (Thickness)	1.4-1.6mm(Without Toe Puff)
13.	Chemical & Physical Properties of leather:	
	Chormium Oxide IUC/8	2.5 (Min)
	Oil & Fats IUC/4	3.5 (Min)
	Flaz Meter IU/20	No Crack in Upper Leather at 20,000.Flexes.
	Tear Strength IUP/8	Min 100n (Min)
14.	Sole (Stuck on)	TPR with Heel
15.	Sole AT Toe	15-17 mm
16.	Sole AT Heel	28-30 mm
17.	Hardness	50-60
18.	Sole Attachment.	
	Toe	Min 15 Kg
	Hell	Min 30 Kg
19.	Toe Puff and Counter Stiffener:-	
	Toe Puff	Thermoplastic 1.0 mm Minimum
	Counter Stiffener	Thickness 1.0 mm Minimum
20.	Shank	Good Quality Steel
21.	Thickness	0.9 mm (Min)
22.	Width	1.0 mm (Min)
23.	Length	9.0 mm (Min)
24.	Socks (material Thickness	Buff Leather snuffed brown thickness min 0.5mm with EVA sheet Half

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STANDARD SPECIFICATIONS: KIT BOX

1. GAUGE.....22
2. INNER MEASUREMENT.
 - a) LENGTH.....61 CM
 - b) WIDTH.....46 CM
 - c) DEPTH WITH OUT LID..... 35 CM
 - d) LID.....7.5 CM
3. HEIGHT WITHOUT LEG.41 CM.
4. METAL.....GALVANISED IRON SHEET.
5. GAUGE OF LEG BASE.....16
6. COLOUR.....WITHOUT ANY COLOUR.
7. END OF THE BASE LEG SHOULD BE HALF FOLDED.

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STANDARD SPECIFICATIONS: IRON COT FRAMES

1. LENGTH.....6'3"
2. WIDTH.....3'
3. HEIGHT.....21"
4. GAUGE OF PIPE.....14
5. DIAMETER OF PIPE..... 1½ " FROM OUT SIDE.
6. NO JOINT IN ANY PIPE LENGTH (AS SHOWN ABOVE).
7. ELECTRIC WELDING.
8. COLOUR.....BLACK DURABLE COLOUR

Julia Segger

Amel M. Haddad

Mf.

STANDARD SPECIFICATIONS: MOSQUITO NETS

1. SIZE OF NETTING

- i) LENGTH.....1.98 m (78")
- ii) Breadth.....1.04 m (42") \pm 2.5 cms.
- iii) Fall.....1.27 m (50")

2. PARTICULARS OF NET

- i) END PER DM.....161/165.
- ii) PICKS PER DM.....161/165 30s Count.
- iii) Mesh..... Square.
- iv) Min. wt. Per sq mt.....(68 GMS).

3. PARTICULARS OF CALICO CLOTH.

- i) ENDS PER DM.....307/315.
- ii) PICKS PER DM.....102/205.
- iii) MIN WT PER SQ MT.....105 GMS.

4. PARTICULARS OF COTTON TAPE.

- i) WIDTH.....1.27 CMS (2 INCH).
- ii) LENGTH.....23 CMS + 1.27 CM (9"+0.5")
- iii) PICKS PER DM.....70/75 OF 10/2 TWISTED.
- iv) TOTAL WARP THREADS.....18/20 OF 10/2 TWISTED.

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J. K. A.

S. G. H.

C. M. A.

N. F.

STANDARD SPECIFICATIONS: COTTON DURREE.

1. Average Weight..... 1 Kg 50 Grams.
2. Length in meter.....183 cm (6 fit).
3. Width in meter.....91.5 cm.
4. No. of thread per inch(25 mm)....a) Warp..... 13/14.
b) Weft.....100+5 (Two
thread working as one).
5. Selvedges..... 28 of 2/59.1 1 Tex (2/10s)
each selvedge.
6. Count of yarn.....a) Warp....2/59.1 Tex(2/10s)
b) Weft...2/29.1 Tex(2/10s)
7. Weave..... Plain (Hand Loom).
8. Colour..... ..Blue.

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be side open to make a side pocket. the side open thigh pockets shall be lined with fleece in Sindh police blue colour.

- 2). A 2.5 cm wide Velcro (male/female) size 15cmx 2.5cm shall be provided at left breast pocket for nameplate.
 - 3). Two pocket made of lining cloth shall be provided at inner back side of jacket with a supporting piece of same cloth with two flat plastic button attached on jacket and button holes on pocket and cam supporting piece. Pockets end shall be provided with bar taking as mentioned in the Approved Sample.
- g. **COLLAR:** Double Layer of Self-Material Round Collar Shall Be Provided twill tape Loop 9.5cm X 2.2 cm with Velcro shall be provided at base of collar for closing of collar as mentioned in approved sample.
- h. **STITCHING:** Sewing thread polyester 30/2 Tex shall be used for stitching. The Number of stitches shall be 8 to 10 per 2.5 cm. the machine stitches shall be of even tension and all loose ends shall be trimmed / fastened off.
- i. Double row of machine stitching shall be provided on collar, pocket flap, straps, front fly and zip fasteners. All the pocket ends shall be provided with bar taking.
- j. The bottom of the jacket shall be provided on collar, pocket flap, straps, front fly and zip fasteners. All the pocket ends shall be provided with bar taking.
- k. An elastic cord 3.5 mm circumference 175 long shall be provided at waist for size fitting at waist. End of elastic cord shall be properly and provided with plastic tip and barrel cord lock.
- l. Two pleats at back seam shoulder from top shoulder seam to arm hole seam shall be provided as shown in approved sample.
6. **PACKING:** The store when ordered to be delivered "Packed" Shall be packed as under:-
- a. Each Jacket shall be properly folded lengthwise from center to reduce the packing length and place in polythene of suitable size; the mouth of bag shall be sealed with transparent tape.
 - b. Ten (10) such bags shall be packed in carton corrugated 7 ply board.
 - c. Each carton shall contain one size only.

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4. **MANUFACTURE** The FD Jacket Shall Be Manufactured With Cloth 3/1 CVC Twill With Water Repellent Finish. It Shall Be Consist Of Jacket And detachable Hood. The Shape and Design of the Jacket Shall be as per approved samples. The Jacket Shall Be Fabricated from the Preshrunk Material.

5. **JACKET**

- a. The jacket with detachable hood shall be manufactured from cloth 3/1 twill polyester 55% cotton 45% blended fabric 16x12-108x46 with water repellent finish having lining inside throughout body and sleeves. Inning cloth shall be polyester / cotton blend 50% / 50% without water repellent.
- b. **FRONT OPENING** the jacket shall be made with open front attached collar. A zip plastic heavy # 8 (ykk or equivalent quality shall be stitched at front along with 6 snap button. (the zip when closed shall not open it self without use of puller). The 1st snap button shall be cliche'd at a distance of 6.0cm from collar stitching and last snap button shall be clinched at 23 cm above from the bottom line. The remaining snap button shall be clinched at equal distance.
- c. **SLEEVE:** shall be made in two pieces. A strap 8.5 cm long and 5 cm wide lined shall be provided at each cuff with Velcro for adjustment of grip. A pen pocket shall be provided on left side of sleeve at 9.cm from shoulder seam. Size of pen pocket shall be as per approved sample. 2x pleats shall be provided at elbow as shown in the Approved sample.
- d. **SHOULDER STRAPS:** Pointed Should Be Straps with Button Holes Duly Lined with Fusing Buckram Shall be Provided as per approved sample.
- e. **HOOD:** the detachable hood shall be in four pieces made of self material as that the jacket. The attachment of hood with body shall be with zip (ykk or equivalent quality) provided at the base of collar. Sleeve at front of hood shall be provided for braided polyester cord 3.5mm circumference 100 cm long. Braided cord 3.5mm shall be provided with barrel cord locks plastic at each side. End of cord shall be fused properly and provide wit plastic tip . Eyelet brass 10mm shall be clinched ti each side for insertion of braided cord a strap 12 cm x 2.5cm of self-material with Velcro shall be provided at back sided for adjustment of size hood. The hood shall be finished with double row of stitching.
- f. **POCKETS**
- 1). There shall be two breast and two thigh pockets with flaps. flaps shall be lined with fusing buckram. Pocket shall be cargo type each pocket should have 2x buttons concealed in-between two layers of flaps as shown in the drawing. The backside of the thigh pocket shall

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GENERAL DIRECTION / INSTRUCTION FOR THE MANUFACTURE SINDH POLICE JACKET

1. **Sizes:** Field Jacket will be manufactured in following sizes. Size details are as follows.

- A. Small
- B. Medium
- C. Large
- D. Ex-Large

2. **USE:** this item will be used as winter clothing over Sindh Police Uniform.

3. **Material testing.** The material be subjected to tests laid down in the specification and related particulars. The material may also be subjected to such tests, which are deemed necessary by the inspection authority in order to determine their suitability.

S.NO	ITEM
a.	Cloth 3/1 twill 55/45 CVC water repellent in Sindh Police Blue Colour
b.	Cloth liner 50% polyester and 50% cotton blended in Sindh Police Blue Colour
c.	Velcro tape 25mm (male / female) in Sindh Police Blue Colour
d.	Braided cord elastic Round in Sindh Police Blue Colour
e.	Braided cord polyester 1.5cm in Sindh Police Blue Colour
f.	Sewing Thread polyester 30/2 in Sindh Police Blue Colour
g.	Buckram
h.	Button 19mm 4 Hole Blue Colour
i.	Barrel cord Lock Plastic in Sindh Police Blue Colour
j.	Tip Plastic in Sindh Police Blue Colour
k.	Zipper Small Polyester NO-5 (YKK or equivalent quality) in Sindh Police Blue Colour
l.	Zip Large # 8 (YKK or equivalent Quality) in Sindh Police Blue Colour
m.	Snap Button Antique Brass Finish
n.	Eye let Brass 10mm
o.	Fleece weight (GSM) 210 to 230 in Sindh Police Blue Colour
p.	Size & Care Label
q.	Washing / ironing instruction Label
r.	Polythene Bag Transparent
s.	Transparent Adhesive Tape 10cm
t.	Transparent Adhesive Tape 2.54cm
u.	Carton Corrugated Card Board
v.	Plastic Hoop 1.2 cm

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	Washing Test No.3	
	Change in Shade Material	3/4-4
	Material	Nylon & other Fibber
9.	Eyelet Brass 10mm	
	Wt/5000 Eyelet	1500gm± 50
10.	Button 19mm	
	Specific gravity Material	1.12-1.22
	Material	Polyester/Thermopiles Plastic
11.	Tip Plastic (Large/Small)	
	Material	Nylon / Plastic
12.	Barrel Cord Lock Plastic:	
	Material	Plastic / Polyester
	Colour	Blue
	Spring	Aluminium
13.	Fleece	
	Material	Polestar
	Colour	Matching With Sindh Police blue shade
	Shrinkage % age	
	Length	.5%
	Width	.5%
14.	Snap Button 15mm	
	Material	Brass
	Composition %	
	Copper	70± 3
	Zinc	30± 3
	Colour Finnish	Antique Dull Brass Anodized
15.	WARMER DETACHABLE, ZIPPER WITH SLEEVES.	
	Fabric	
	Fabric Composition	T-190 Taffeta 100% Polyester
	Fabric Weight	51-53 GSM
	Fab Finish	Normal w/o water Repellent
	Weave	Plain
	Colour	Navy
	Polyester Wadding filling)	150 GSM
	Sleeves Cord Zipper	Tape Polyester



**STANDARD SPECIFICATIONS / TECHNICAL DATA OF FIELD JACKET OF
SINDH POLICE.**

S. No	Description	Test Results
1.	Fabric	
	Warp & weft Count	16x10
	Ends / Inch	108
	Picks / Inch	46
	Weight / sq Meter	286
	Weave Type	3/1 Twill
	Composition	55/45 CVC
	Dyestuff	Disp / Reactive
	Shrinkage warp/weft	3%
	Colour Fastness to Washing	Change in shade 4
		Staining on cotton 4
	Colour Fastness to Rubbing	Dry 4
		Wet 3
	Colour Fastness to Light (24 Hours)	4
	Water Repellent	3
2.	Cloth Lining	
	P/C	50X50
	Weave: Sheetting Plain	
	Construction:	36X36/136X72
	Dyeing:	Disperse Reactive.
3.	Twill Tape	
	Width	1.8-2 cm
	Nature	Reactive Dye
	Wt/linear Mtr	5 – 6
4.	Zipper Polyester (Slider)	
	(Small/Large)	
	Material	Aluminium Alloy
	Zipper teeth	Plastic
5.	Sewing Tread	
	Balance of twist	30/2
6.	Buckram	
	Weight Sq Mtr	190.202.2
7.	Braided cord Elastic round	
	Construction core (Rubber)	28-40
	Thread	Polyester
8.	Velcro Tape 2.5cm (M/F)	

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STANDARD SPECIFICATIONS: WARM JERSEY (GRAY/BLUE)

1. Acrylic.....80±7%
2. Nylon.....20±7%
3. Count of yarn.....32/2±7%
4. Nature of Dye.....Cationic Dye.
5. Wales /DM.....38±4%
6. Courses/DM.....55±4%
7. Weight as per size.
 - 36.....700 (Gram) Minimum
 - 38.....750 (Gram) Minimum.
 - 40.....800 (Gram) Minimum.
 - 42.....850 (Gram) Minimum.
 - Extra 42.....900(Gram) Minimum.
8. Dimensional Change (Due to Relaxation)... 5% Maximum
9. Scouring Loss.....4% Maximum.
10. PH Value (Aqueous Extract).....5 to 8.
11. Mercerized Drill Cloth will be used in middle of both arms and for pocket bag.
12. Washing Fastness (ISO-3 Test)
 - i) Change in Shade.....GS 4 (Minimum).
 - ii) Staining on Cotton.....GS 4 (Minimum).
13. Dry Cleaning..... GS 4 (Minimum)
14. Light Fastness Test..... GS 4 (Minimum)
(FADS-O-METER TEST)
(XENON ARC LAMP, 16 HOURS)
15. Crock Meter Test.
 - i. Dry.....G.S. 4 (Minimum)
 - ii. Wet..... G.S 3-4 (Minimum)
16. Colour/Feel/Finish/Shade.....Gray/Blue.(As per pattern/shade).
17. Stitching Thread..... Nylon.
18. Cloth (Pocket/Arm).....PC 50.50, count of yarn
18s Ends/Picks 120.60
Disperse + Reactive dye,
weight SQ/Met Gram
(250±5%).

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STANDARD SPECIFICATIONS BERET CAP (NAVY BLUE COLOUR)

1. Wool.....100%± 2%
2. Quality of wool.....60s to 64s.
3. Weight (Gram) as per size
 - 6 ³/₄90 (Gram) (Minimum)
 - 7 95 (Gram) (Minimum)
 - 7 ¹/₄100 (Gram) (Minimum)
 - 7 ¹/₂105 (Gram) (Minimum)
 - 7 ³/₄110 (Gram) (Minimum)
4. Colour Fastness.
 - i) Rubbing Wet & Dry.....4/4
 - ii) Light.....4
 - iii) Washing.....4
5. WASHING.
 - a) Change in Colour.....4 Minimum.
 - b) Staining to cotton/wool.4 Minimum.
6. Nature of Lining Cloth.....VISCOSE/PC
7. Nature of Ribbon.....Polyster/cotton.
8. No. of Needles.....9 Nos. (Minimum).
9. Finish.....Felted and Sheared.
10. Colour/Feet/Finish/Shade.....Navy blue(as per
approved pattern/shade).
11. Stitching Thread.....Nylon.
12. Air Holes.....4 Air Holes.

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STANDARD SPECIFICATIONS: MENS SOCKS

S. No	Description	Specification
1.	COLOUR	NAVY BLUE
2.	COTTON	70% \pm 5%
3.	COUNT	20'S CARDED
4.	POLYESTER 150D	30% \pm 5%
5.	COURSES / INCH	22 \pm 5%
6.	WEIGHT PER PAIR	48/50 GRMS
7.	WASHING INTERNATIONALLY ACCEPTED	3./4
8.	<u>RUBBING FASTNESS.</u> a. Dry	3./4
	b. Wet	3./4
9.	TYPE OF HEEL	REAL HEEL
10.	STITCHING THREAD TOE PORTION	NYLON
11.	MENS SIZE EURO SIZE 39/45	
12.	FOOT 28 CM	
13.	LEG 28 CM	
14.	ANTI ALLERGIC, ANTI BACTERIAL, ANTI FUNGUS TREATMENT.	
15.	LOGO OF SINDH POLICE ON LEG. AS PER APPROVED SAMPLE	

SPECIFICATIONS OF DDS BOOT BLACK FOR SINDH POLICE

DESIGN	Derby style combat boot in Black Zuggrain Leather with plain toecap 3 eyelets, 5 hooks V cut with polyurethane sole.
MATERIAL	The boot shall be manufactured from following materials.
COMPONENT /PARTS	<p>MATERIAL</p> <p>Sole Double density PU (mid sole Polyether & out sole rubber)</p> <p>Shank Mild Steel (length 4" inch)</p> <p>Binding Adhesive PU (Graft Adhesive)</p> <p>Insole Non woven / leather board</p> <p>Upper components of boots Zuggrain & plain Lather (Black full grain full chrome)</p> <p>Fabric Cordura (Nylon) 1000 Denier</p> <p>Vamp lining Canvas 150 GSM</p> <p>Stiffener Thermoplastic</p> <p>Toe Puff Thermoplastic</p> <p>Insock Rubber sheet (thickness 2.5 mm)</p> <p>Thread Nylon 3 chord multifilament</p> <p>Eyelet Double Eyelet, Black Brass 2 per Quarter</p> <p>Speed hooks Black Brass 5 per quarter</p> <p>Webbing Nylon 2" in both sides of quarter</p> <p>Laces Nylon 1" at back side of quarter</p> <p>Polyester Lace with plastic round tips 62" length.</p>
COMPONENTS	<p>SUBSTANCE, (MIN) MM</p> <p>Vamp 2.00-2.50</p> <p>Counter 1.50-2.00</p> <p>Stiffener/Toe puff 1.00-1.50</p> <p>Insole 3.00-3.50</p>
STITCHING	The upper components shall be closed by lock stitching with nylon thread.
EYELETING	Two pieces of double eyelets black brass and five pieces of black brass speedy hooks shall be fitted on each quarter facing.
LASTING	Upper shall be fitted on last properly for shape retaining.
SOLE PASTING	Sole attached through direct injection mould process / pouring process.
SOLE ADHESION TEST-STM 404	Upper to outsole-20 KG upper to cushioned midsole-15 KG

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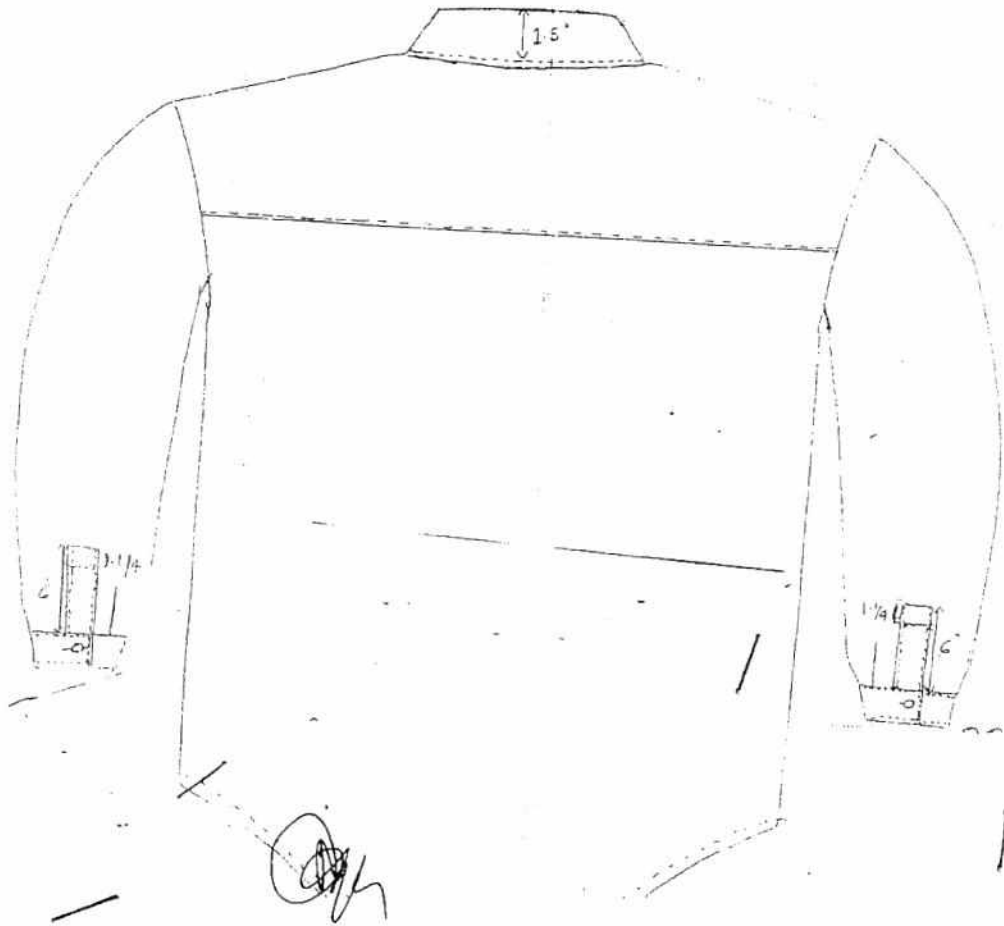
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4.
Singh Police Sheet

Back



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Front



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SEWING THREAD

<u>Balance of twist</u>	<u>50/3 Color according to matching fabric</u>
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PAPER FUSING

SIZE & CARE LABEL

<u>Wt/sq mtr</u>	<u>65 + 5 gm</u>
<u>Material</u>	<u>100% polyester</u>
<u>Size</u>	<u>As per requirement</u>
<u>Color</u>	<u>White</u>
<u>Weave</u>	<u>Plain</u>

BUTTONS KHAKI #24-L

<u>MATERIAL</u>	<u>UREA MATERIAL</u>
-----------------	----------------------

POLYTHENE BAG TRANSPARENT (TROUSER / SHIRT)

<u>MATERIAL</u>	<u>POLYTHENE</u>
<u>THICKNESS</u>	<u>0.127mm + 0.027</u>
<u>SIZE</u>	<u>SUITABLE SIZE</u>

TRANSPARENT ADESIVE TAPE 10CM (TROUSER/SHIRT)

TRANSPARENT ADHESIVE TAPE 2.5CM

CORRUGATED CARD BOARD 7 PLY (TROUSER/SHIRT)

Julia

M. P. P. P.

S. G. G.

Amali

M. F.

SPECIFICATION SHIRT MEN'S CELLULAR MERCERIZED (MAZRI SHIRT)

- a. All measurements are in inches.
- b. Tolerance $\pm 3\%$

1. Collar. Two piece collars should be used for shirt collar point should be 3". Collar height 1.5".
2. Shoulder Strap. Length of shoulder strap should be up to 7 inch and for collar 17 and above 7 1/2 inches sample.
3. Cuffs. Arms Cuffs should be in Square Instead of round shape. Height 2.3/4 and with are as follows

S.M.L

XL.XXL.XXXL

4. FLAPS Width 5.1/4 Height from center 2.3/4 (Sindh Police Pattern).
5. Pockets Box pleat pockets from end should be rounded. Width 5.1/4" Length 5.1/4
6. Pocket measurement with Flap Length 5.3/4 Width 5./14
7. Stitching 9-11 Stitches per inch.
8. Stitching thread / sewing thread, sufficiently strong with excellent dye fastness is required to be used for throughout stitching / sewing.

Size. As per sizes given below.

MEASUREMENT STITCHED MAZRI SHIRT

MAZRI SHIRT				
Collar	Length	Shoulder	Chest	Sleeve
14	28	16 1/2	39	23
14 1/2	28	17 1/2	41	24
15 1/2	29	18 1/2	44	24
16 1/2	30	19	46	24 1/2
16 1/2	30	19	46	25
17	30	20	46	25
17 1/2	30	20	48	25 1/2
18	30	21	52	26
18	31	22	54	26
18	32	22	54	26
18	32	22	56	26

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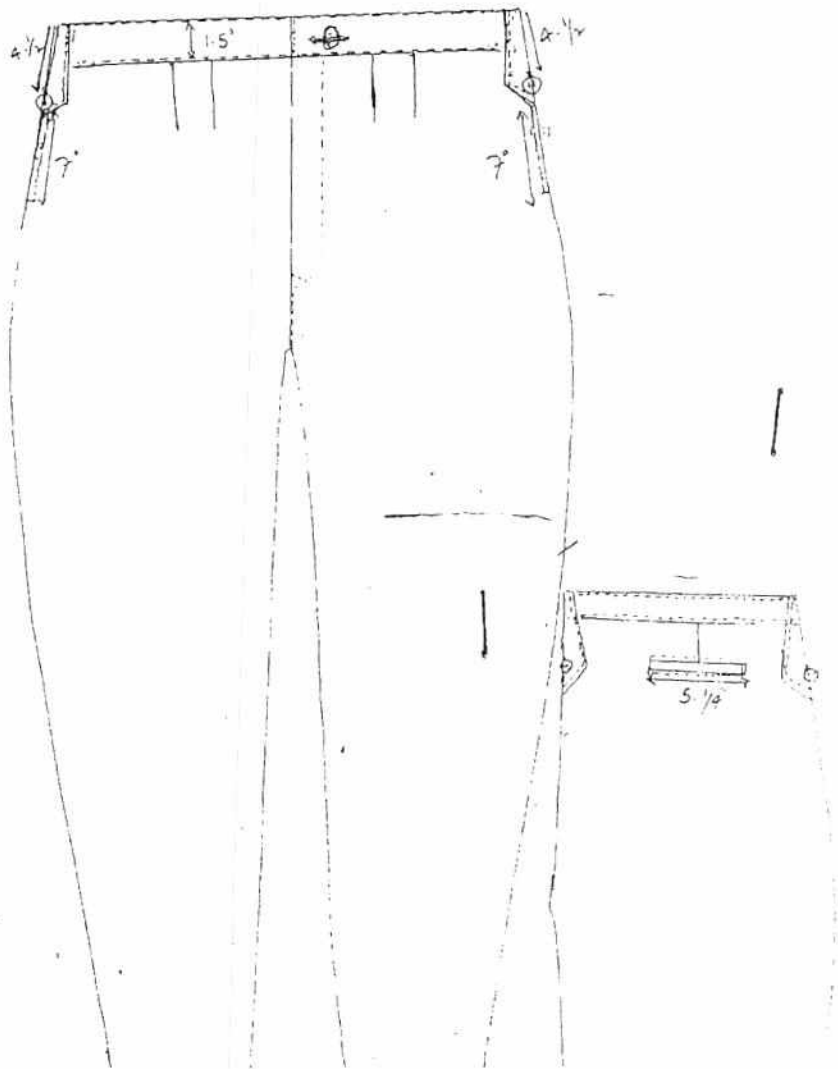
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SPECIFICATION FOR SHIRT (MAZRI CLOTH) FOR SINDH POLICE

S. No.	TEST	TEST METHOD	SPECIFICATION
1	Warp count with composition	ASTM-D 1059	18s \pm 5% (80% Cotton & 20% Polyester)
2	Weft Count with composition	ASTM-D 1059	18s \pm 5% (80% Cotton & 20% Polyester)
3	Ends / Inch	ASTM-D 3775	84 \pm 3%
4	Picks / Inch	ASTM-D 3775	52 \pm 3%
5	Weight/Sq Meter (Gram)	ASTM-D 3776	175 \pm 5%
6	Weave		Cellular
7	Composition i) Cotton ii) Polyester	ATTCC 20.20A	80% \pm 3% 20% \pm 3%
8	Nature of Dye		Disperse + Vat
9	Shrinkage in Warp/Weft		\pm 3% Maximum
10	Smoothness Appearance	ATTCC 124	3 (Minimum)
11	Pilling NU Martindale	ASTM-D4970 (1000 Cycle)	3/4 (Minimum)
12	Colour Fastness to washing i) Change in shade ii) Staining on cotton	ATTCC 61-3A	4 (Minimum) 4 (Minimum)
13	Colour fastness to Rubbing i) Dry ii) Wet	ATTCC 8 71 Dr for 42 mm Ts	4 (Minimum) 2-3 (Minimum)
14	Colour Fastness to light (24 Hours)	ATCC 16E	4 (Minimum)
15	Colour Fastness to perspiration i) Change in shade ii) Staining on cotton	ATTCC 15	4 (Minimum)

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Sindh Police Panel



Final

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Panel

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SEWING THREAD

<u>Balance of twist</u>	<u>50/3 Color according to matching fabric</u>
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PAPER FUSING

SIZE & CARE LABEL

<u>Wt/sq mtr</u>	<u>65 + 5 gm</u>
<u>Material</u>	<u>100% polyester</u>
<u>Size</u>	<u>As per requirement</u>
<u>Color</u>	<u>White</u>
<u>Weave</u>	<u>Plain</u>

BUTTONS KHAKI #24-L

<u>MATERIAL</u>	<u>UREA MATERIAL</u>

POLYTHENE BAG TRANSPARENT (TROUSER / SHIRT)

<u>MATERIAL</u>	<u>POLYTHENE</u>
<u>THICKNESS</u>	<u>0.127mm + 0.027</u>
<u>SIZE</u>	<u>SUITABLE SIZE</u>

TRANSPARENT ADESIVE TAPE 10CM (TROUSER/SHIRT)

TRANSPARENT ADHESIVE TAPE 2.5CM

CORRUGATED CARD BOARD 7 PLY (TROUSER/SHIRT)

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SPECIFICATION
TROUSER'S MEN'S Drill Khaki

- a. All measurements are in inches.
- b. Tolerance $\pm 3\%$
1. **Pattern.** Trouser with 1.5" wide belt duly re-enforced with paper fusing having sewn 2 pleat at front on each side and dot sewn at back on each trouser shall be with three points belt loops fastened with visible buttons, two side pockets of 7" opening wide, cut pocket at hip with deep jetted to button through loop with place khaki urea color button, size of fly should not be less then 8" in length. Belt should be in 2 pieces with adjustable allowance 1.5 both side.
2. **Belt Loops.** Pattern of belt loops should be as per approved sample.
3. Buttons should be inserted instead Zip.
4. Seem at inner back rise should be doubled.
5. **Packing:** The store when ordered to be delivered "Packed" shall be packed as under.

Each set (shirt/Trouser) shall be properly folded and place in polythene of suitable size, the mouth of bag shall be sealed with transparent tape.

 - c. Ten (10) (Shirt/Trouser) such bags shall be packed in carton corrugated 7 ply board.
 - d. Each carton shall contain one size only.
6. **Size.** As per sizes given below.

MEASUREMENT STITCHED TROUSER

<u>Trouser</u> <u>Waist</u>	<u>Trouser</u> <u>Length</u>
<u>29</u>	<u>40</u>
<u>31</u>	<u>41</u>
<u>33</u>	<u>42</u>
<u>35</u>	<u>42</u>
<u>37</u>	<u>42</u>
<u>39</u>	<u>43</u>
<u>41</u>	<u>43</u>
<u>43</u>	<u>44</u>
<u>45</u>	<u>44</u>
<u>47</u>	<u>44</u>
<u>49</u>	<u>44</u>

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SPECIFICATION FOR TROUSER (K.D. CLOTH) FOR SINDH POLICE

S. No.	TEST	SPECIFICATION
1.	Colour of cloth	Khaki
2	Count of yarn with composition	
	Warp count with composition	33.17 tex \pm 3% (55% Polyester & 45% Cotton)
	Weft count with composition	33.17 Tex \pm 3% 55% Polyester & 45% Cotton)
3.	Ends per inch	140 \pm 3%
4.	Picks per inch	64 \pm 3%
5.	Composition	
	a) Polyester	55% \pm 3%
	b) Cotton	45% \pm 3%
6.	Weave	Twill 3/1
7.	Scouring loss	1.3% maximum
8.	Weight/Sq. Meter	265 Gsm \pm 5%
9.	Shrinkage	
	Warp	3% maximum
	Weft	3% maximum
10.	Breaking strength (10.2x16.8 cm B.G)	
	Warp	340 Kgs \pm 3%
	Weft	145 Kgs \pm 3%
11.	Nature of Dye	
	a) Polyester	Disperse
	b) Cotton	Vat
12.	Washing test	
	No.3 (PS-1337/C)	
	a) Change in Shade	GS No.4
	b) Change on cotton	GS No.4
13.	Rubbing Fastness (Crock Meter Test)	
	a) Dry Rubbing	GS No. 4
	b) Wet Rubbing	GS No. 3/4
14.	Light Fastness	
	(Fede-o-meter, 16 Hrs)	GS 4 Maximum

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