

Tender Covering Form
Directorate of Procurement (Navy)
Through Bahria Gate

Contact: Reception 051-9262311, Bahria Gate 0331-5540648.
 Section: 051-9262314 Email: adpn33@paknavy.gov.pk

P-33FOR Section (Contact: 051-9262314)

Tender No and Date R2412030054
 Tender Description Jacket Weather Proof Digital Camouflage for Pak Marine
 IT Opening Date 19/08/2025
 Firm Name _____
 Postal Address _____
 Email Address for Correspondence _____
 Contact Person _____
 Contact Number Landline _____ (Mobile _____)

Document to be Attached with Quotation

Firm is to submit its proposal in a sealed envelope which shall contain 03 x Sealed Envelope as per details given below:

Sealed Envelope 1 – Technical Offer in Duplicate

This envelope must contain 02 x sets of Technical Offer (01 x Original + 01 x Copy). Each Set must contain following documents as per this order and Supplier is to mark tick against each to ensure that these documents have been

S.No	Document	Original Set	Copy Set
1	Bank Chalan of Rs. 200/- for DGDP registered firms and Rs. 300/- for all other firms (in favour of CMA(DP))		
2	DP-1 Form of IT with tick mark/against each clause and initialed on each page		
3	DP-2 Form of IT with compliance remarks against each clause and initialed on each page		
4	Annex A of IT (duly filed (with compliance remarks)		
5	Annex B & C of IT (with compliance remarks)		
6	DP-3 Form of IT (duly filed & Signed)		
7	Manufacturer Authorization letter (where applicable)		
8	Manufacturer Price list (where applicable)		
9	CRAP registration letter (in case of medical)		
10	DGDP Registration Letter (If firm is registered with DGDP)		
11	Tax Filing Proof		

Sealed Envelope 2 – Earnest Money

This Envelope must contain Earnest Money only

Sealed Envelope 3 – Commercial Offer

This Envelope must contain following documents:

1	Firms Commercial Offer	01 x Original	
2	Principal Invoice (where applicable)	01 x Original	
3	Duly filed DP-2 Form of IT	01 x Original	

Firms Declaration

It is certified that we have submitted tender in compliance with above instructions and we understand

Firm's Authorized Signatures _____

DIRECTORATE PROCUREMENT (NAVY)

Directorate of Procurement (Navy)

Through Bahria Gate

Near SNDS Centre,

Naval Residential Complex

Contact: Reception: 051-9262311

Bahria Gate: 0331-5540549

Section: 051-9262314

Email: adpn33@paknavy.gov.pk

M/s _____

Dated: _____

INVITATION TO TENDER AND GENERAL INSTRUCTIONS

Dear Sir / Madam,

1. DP (Navy) invites you to tender for the supply of stores/equipment/ services as per details given in attached Schedule to Tender (Form DP-2).

2. Caution: This tender and subsequent contract agreement awarded to the successful bidder is governed by the rules / conditions as laid down in PPRA Rules-2004 and DPP&I-35 covering general terms and conditions of contracts laid down by MoDP / DGDP. As a potential bidder, it is incumbent upon you and your firm to first acquaint yourself with PPRA Rules 2004 (www.ppra.org.pk) and DPP&I-35 (print copy may be obtained from DGDP Registration Cell on Phone No. 051-9270967 before participating in the tender. If your firm / company possesses requisite technical as well financial capability, you must be registered or willing to register with DGDP to qualify for award of contract, which shall be made after security clearance and provision of required registration documents mentioned in Para-15 of this DP-1.

Undersigned
agreedUndersigned
not agreed☐☐

3. Conditions Governing Contracts: The 'Contract' made as result of this IT (Invitation to Tender) i.e. PPRA Rules 2004 shall mean the agreement entered into between the parties i.e. the Purchaser and the Seller on Directorate General Defence Purchase (DGDP) contract Form 'DP-19' in accordance with the law of contract Act, 1872 and those contained in Defence Purchase Procedure and Instructions and DPP&I-35 and other special conditions that may be added to given contract for the supply of Defence Stores / Services specified herein.

Undersigned
agreedUndersigned
not agreed☐☐

4 **Delivery of Tender.** The tender documents covering technical and commercial offers are to be furnished as under:-

a **Commercial Offer.** The commercial offer will be in single copy and indicate prices quoted in figures as well as in words in the currency mentioned in IT. It should be clearly marked in fact on a separate sealed envelope "Commercial Offer", tender number and date of opening. Taxes, duties, freight/transportation, insurance charges etc are to be indicated separately. Total price of the items quoted against the tender is to be clearly mentioned. In case of more than one option offered by the firm, DP(N) reserves the right to accept lowest technically accepted option if more than one options were accepted in Technical Scrutiny Report.

Undersigned
agreed

Undersigned
not agreed

☐
☐

b **Technical Offer (Offers Application).** Should contain all relevant specifications in DUPLICATE (or as specified in IT) along with essential literature/brochure, drawings and compliance metrics in a separate sealed envelope and clearly marked "Technical Offer" without prices, with tender number and date of opening. Technical offer shall be opened first half an hour after the date and time for receipt of tender mentioned in DP-2. Firms are to confirm/comply with IT technical specification in the following format:

Undersigned
agreed

Undersigned
not agreed

☐
☐

S. No	Technic al requirem ent as per IT	Firm's endorsement (Comply/ Partially Comply/ Non Comply)	Basis of C, PC/in case of non availability of of NC i.e. Refer/enclosed proof from to page or brochure/ Literature, quote/ brochure attach additional documents/ data/undertaking as proof of compliance	

(Legend: C = Fully Comply, PC = Partially Comply, NC = Not Comply)

(Firms must clearly identify where their offer does not meet or deviates from IT Specs)

c **Special Instructions.** Tender documents and its conditions may please be read point by point and understood properly before quoting. All tender conditions should be responded clearly. In case of any deviation due to non-acceptance of tender conditions(s), the same should be highlighted alongwith your offered conditions. Tender may however be liable to be rejected.

Undersigned
agreed

Undersigned
not agreed

☐
☐

d Firms shall submit their offers in two separate envelopes (i.e. one copy of commercial offer and two copies of the technical offers as asked in the IT) and envelopes clearly marked "Technical proposal", "Commercial proposal" in bold. The commercial offer will include rates of items/services called for and the technical offer will not indicate the rates. Both types of offers are to be enclosed in separate covers and each envelope shall be properly sealed bearing of the bidder. Each cover shall indicate type of offer, number and date of IT and IT opening date. Thereafter both the envelopes (technical and commercial offer) shall be placed in one envelope (second cover) duly sealed and signed. This cover should bear the address.

of the procurement agency indicating, issuance date of IT and No, with its opening date. This should be further placed in another cover (third cover), addressed and indicated in the tender documents, without any indication that there is a tender within it.

e. FORM DP-1, DP-2, DP-3 and Questionnaires. Form DP-1, DP-2 (alongwith annexes), DP-3 and Questionnaires duly filled in are to be submitted with the technical offer duly stamped/signed by the authorized signatory/ person. It is pertinent to mention that all these are essential requirement for participation in the tender.

Understood
agreed

☐

Understood
not agreed

☐

f. The tender duly sealed will be addressed to the following -

Directorate of Procurement (Navy)

Through Bahria Gate

Near SNIDS Centre,

Naval Residential

Contact: Reception: 051-8262311

Bahria Gate: 0331-8540649

Section: 051-8262314

Email: adpr33@psknavy.gov.pk

5. Date and Time For Receipt of Tender. Tender must reach this office by the date and time specified in the Schedule to Tender (Form DP-2) attached. This Directorate will not accept any excuse of delay occurring in post. Tenders received after the appointed/ fixed time will NOT be entertained. The appointed time will, however, fall on next working day in case of closed/forced holiday. Only legitimate/registered representatives of firm will be allowed to attend tender opening. In case your firm has sent tender documents by registered post or courier service, you may confirm their receipt at DP (Navy) on Phone No 051-8271468 well before the opening date / time.

Understood
agreed

☐

Understood
not agreed

☐

6. Tender Opening. Tenders will be opened as mentioned in the schedule to tender. Commercial offers will be opened at later stage if Technical Offer is found acceptable on examination by technical authorities of Service HQ. Date and time for opening of Commercial offer shall be intimated later. Only legitimate / registered representative of firm will be allowed to attend tender opening. Tenders received after date and time specified in DP-2 would be rejected without exception and returned un-opened Law Rule 28 of PPRA-2004.

Understood
agreed

☐

Understood
not agreed

☐

7. Validity of Offer.

Understood
agreed

☐

Understood
not agreed

☐

a. The validity period of quotations must be indicated and should invariably be 120 days from the date of opening of Technical offer or 30th June whichever is later. Firm undertakes to extend validity of offer if required by equal number of original bid period (i.e. 120 days as per original offer) Law PPRA Rule-26.

b. The quoting firm will certify that in case of an additional requirement of the contract items (a) in any qty(s) within a period of 12 months from the date of signing the contract, these will also be supplied at the ongoing contract rates with discount.

8. Part Bid Firm may quote for the whole or any portion, or to state in the tender that the rate quoted, shall apply only if the entire quantity/range of stores is taken from the firm. The Director Procurement reserves the right of accepting the whole or any part of the tender or portion of the quantity offered, and firm shall supply these at the rate quoted.

Understood agreed	Understood not agreed
☐	☐

9. Quoting of Rates. Only one rate will be quoted for entire quantity, item wise. In case quoted rates are deliberately kept hidden or lumped together to trick other competitors for winning contract as lowest bidder, DP(N) reserves the right to reject such offers on-spot besides confiscating firm's Earnest Money / Bid Security and take appropriate disciplinary action. Conversion rate of F.E.R.C components will be considered w.e.f. opening of commercial offer as per PPRA Rule-30(2).

Understood agreed	Understood not agreed
☐	☐

10. Retenue d'I.T. ITs are to be handled as per following guidelines:

a. In case you are Not quoting, please return the tender inquiry stating the reason of NOT quoting. In case of failure to return the ITs either quoted or not quoted consequently on three occasions, this Directorate, in the interest of economy, will consider the exclusion of your firm's name from our future distribution list of invitation to tender.

Understood agreed	Understood not agreed
☐	☐

b. For registered firm(s), case will be referred to DGDP for necessary administrative action if firms registered / indexed for tendered items/stores do not quote / participate.

c. It is a standard practice to invite all firm(s) including those unregistered with DGDP who gave their preliminary budgetary/technical proposals to end users / indentors. If your firm has been invited to participate in the tender, you must either participate in tender. In case of your inability to do so, you must inform DP (Navy) by a formal letter/email.

11. Withdrawal of Offer. Firms shall not withdraw their commercial offers before signing of the contract and within validity period of their offers. In case the firm withdraws its offer within validity period and before signing of the contract, Earnest Money of the firm shall be confiscated and disciplinary action may also be initiated for embargo up to 01 year.

Understood agreed	Understood not agreed
☐	☐

12. Provision of Documents in case of Contract. In case any firm wins a contract, it will deposit following documents before award of contract:

Understood agreed	Understood not agreed
☐	☐

a. Proof of firm's financial capability.

b. Foreign Seller has to provide its Registration Number issued by respective Department of Commerce authorizing export of subject stores.

c. Principal/Agency Agreement.

d. Registration with DGDP (Provisional Registration is mandatory)

13. Treasury Chalan.

Understood agreed	Understood not agreed
☐	☐

a. Offers by registered firms must be accompanied with a Chalan form of Rs.200/- (obtainable from State Bank of Pakistan/Government Treasury) and debit able to Major Head-002501-20, Main Head-12, Sub Head 'A' Miscellaneous (Code Head 1/845/30). Each offer will be covered by one Chalan.

b. Firms, un-registered / un-indexed with GDP (Registration Section) are to participate in the tender by submitting Chalan Form of Rs. 300 in favour of CMA (DP).

1.4. Earnest Money/Tender Bond. Please ensure Earnest Money is contained in a separate envelop (not inside Technical or commercial offer). Offer is liable to be rejected in case Earnest Money is packed inside commercial or Technical offer. Your tender must be accompanied by a Call Deposit Receipt (CDR) in favor of CMA (DP), Rawalpindi for the following amounts:-

Undersigned
agreed

Undersigned
not agreed

☐
☐

a. **Submitting improper Earnest Money/Bid Security** Earnest Money/Bid Security furnished with tender is strictly in conformity of tender/IT conditions (Clause 14 of DP-1 and clause 10 of DP-2) on the subject. We have no objection on confiscation of Earnest Money/Bid security and rejection of our offer in case amount of Earnest Money/Bid Security is improper/insufficient in violation of IT condition.

b. **Rates for Contract.** The rate of earnest money and its maximum ceiling for different categories OF FIRMS would be as under:-

- (I) **Registered/Indexed/Pre-Qualified Firms.** 2% of the quoted value subject to maximum ceiling of Rs. 0.500 Million.
- (II) **Registered/Pre-Qualified but Un-indexed** 3% of the quoted value subject to maximum ceiling of Rs. 0.750 Million.
- (III) **Unregistered/Not Pre-Qualified/Un-indexed** 5% of the quoted value subject to maximum ceiling of Rs. 1.000 Million.

c. **Return of Earnest Money.** (i) Earnest money to the unsuccessful bidders will be returned on finalization of the contract.
(ii) Earnest money of the firm/firms with whom contract is concluded will be returned on submission of Bank Guarantee and its acceptance by CMA (DP).

1.5. Documents for provisional registration. In case your firm wins a contract on Earnest Money (EM), it will deposit following documents to DGDP (Registration Section) before the award of contract for provisional registration:-

Undersigned
agreed

Undersigned
not agreed

☐
☐

S No	Local Supplier	Foreign Supplier
a.	Three filed copies of SVA-5121 of each member of management.	Three filed copies of SVA-5121-D of each member of management.
b.	Three filed copies of SVA-5121-A	Three filed copies of SVA-5121.
c.	Three photocopies of NOC for each member of management.	Three photocopy of Resident Card or equivalent Identification Card for each member of management.
d.	Three PP size photographs for each member of management.	Three PP size Photographs for each member of management.
e.	Charter Form	Charter Form
f.	Bank Statement for last one year.	Financial standing/audit balance
g.	Photocopy of NTN	Photocopy of passport
h.	Foreign Principal Agency Agreement in case of local agent.	Agency Agreement in case of Trading House/ Company/ Exporter (Stockist etc.

1.6. Inspection Authority. CINS, Joint Inspection will be carried out by INS, Consignee and Specialist User or a team nominated by Pakistan Navy. CINS inspection shall be as prescribed in DPP & I-35 or as per terms of the contract.

Undersigned agreed	Undersigned not agreed
☐	☐

1.7. Condition of Stores. Brand new stores will be accepted on Firms Warranty/Guarantee Form DPL-15 enclosed with contract.

Undersigned agreed	Undersigned not agreed
☐	☐

1.8. Documents Required. Following documents are required to be submitted along with the quote:

Undersigned agreed	Undersigned not agreed
☐	☐

- a. OEM/Authorized Dealer/Agent Certificate along with OEM Dealership Evidence
- b. The firm/supplier shall provide correct and valid e-mail and Fax No to CINS and DPIN. Supplier/contracting firm shall either provide OEM Conformance Certificate to CINS or is to be e-mailed to CINS under information to DP (Navy). Hard copy of COC must follow in any case through courier. On receipt, CINS shall approach the OEM for verification of Conformance Certificates issued by OEM. Companies/firms rendering false OEM-Conforming Certificates will be blacklisted.
- c. Original quotation/Principal/OEM proforma invoice.
- d. In case of bulk proforma invoice, a certificate that prices indicated in the bulk proforma invoice have not been decreased since the date of bulk proforma invoice from the manufacturers/suppliers.
- e. Submit break-up of cost of stores/services on the following lines:

- (i) Imported material with break down item wise along with import duties.
- (ii) Variable business overheads like taxes and duties imposed by the federal/provincial government as applicable:
 - (1) General Sales Tax
 - (2) Income Tax
 - (3) Custom Duty. PCT code along with photocopy of the related page is to be attached where applicable.
 - (4) Any other tax
- (iii) Fixed Overhead charges like labour, electricity etc.
- (iv) Agent commission/profit, if any.
- (v) Any other expenditure/cost/service/remuneration as asked for in the tender.

1.9. Rejection of Stores/Services. The stores/services offered as a result of contract concluded against this tender may be rejected as follows:

Undersigned agreed	Undersigned not agreed
☐	☐

- a. 1st rejection on Govt. expense
- b. 2nd rejection on supplier expense
- c. 3rd rejection contract cancellation will be initiated.

2.0. Reaction of Stores/Services.

To ensure timely and correct supply of stores the firm will furnish an unconditional Bank Guarantee (BG in the currency in which contract is concluded) from a schedule Bank of Pakistan for an amount upto 10 % of the contract value (excluding Taxes, duties/freight handling charges) on a Judicial Stamp Paper (All pages) of the value of (Rs 100.00) as per prescribed format or in shape of CSDrBank draft. The Bank Guarantee shall be endorsed in favour of CMA (DP) Rawalpindi who is the Accounts Officer specified in the contract. The CMA (DP) Rawalpindi has the like power of seeking encashment of the Bank Guarantee as if the same has been demanded by the purchaser himself. The Bank Guarantee shall be produced by the supplier within 30 days from the date of issue of the contract and remain valid for upto 60 days after completion of warranty period and remain in force till one year ahead of the delivery date given in the contract. If delivery period is extended, the supplier shall arrange the extension of Bank Guarantee within 30 days after the original delivery period to keep its validity always one year ahead of the extended delivery period. The BG form can be obtained from DP(N) on e-mail address given on page 1. Format of BG is enclosed at Annex B.

Understood
agreed

Understood
not agreed

☐☐

2.1. Integrity Pact.

There shall be "zero tolerance" against bribes, gifts, commission and inducement of any kind or their promises thereof by Supplier / Firm to any Government official / staff whether to solicit any undue benefit, favour or otherwise. Following provisions must be clearly read and understood for strict compliance:

Understood
agreed

Understood
not agreed

☐☐

a. Integrity Pact shall be applicable to all tenders / contracts irrespective of their financial value. However, a written Integrity Pact shall be signed for contracts exceeding Rs 10 million between the procuring agency and the supplier / contractor i.e. a Rule-T of PPPA-2004. The form is available at www.ppra.org.pk or can be requested at dpn@navy.gov.pk

b. If a Supplier / Contractor is found involved in any unbusiness-like / unethical activity, same would be considered a serious breach of the Integrity Pact. DP (Navy) shall take severe disciplinary action against that person(s) and the firm / company, which may include, but not limited to, PERMANENT BLACKLISTING of firm / company through DGDP and legal action against the individual (s) involved as per Pakistan Code of Criminal Procedure.

c. It is strictly forbidden to solicit, call or meet any official / staff of DP (Navy) in private or during off hours. If any official / staff from Purchaser side asks for any undue favour or gratification directly or indirectly, the matter is to be immediately brought to the personal notice of Director Procurement (Navy) on Respective Section Tel: 051-6271488 or through a personal meeting in office. Privacy of firms and their Reps sharing such information will be guaranteed without any prejudice to their normal business activities.

2.2. Correspondence.

All correspondence will be addressed to the Purchaser i.e. DP (Navy). Correspondence with regard to payment or issue of delivery receipt may be addressed to CMA Rawalpindi and Consignee respectively with copy endorsed to the DP (Navy).

Understood
agreed

Understood
not agreed

☐☐

2.3. Pre-Shipment Inspection.

PN may send a team of officers including DP(N) member for the inspection of major equipments and machinery items in OEM premises as per terms of contract. If not already provided for and mentioned in the I.T, firm(s) must clarify the place, number of persons, duration and whether expenses on such visits would be borne by the Purchaser or Contractor. In case contractor is responsible for bearing such expenses, detailed breakdown of the same should be given separately in the commercial offer.

Understood
agreed

Understood
not agreed

☐☐

24. **Amendment to Contract.** Contract may be amended/modified to include fresh clause (s) modify the existing clauses with the mutual agreement by the supplier and the purchaser; such modification shall form an integral part of the contract

Understood
agreed ☐ Understood
not agreed ☐

25. **Discrepancy.** The consignee will render a discrepancy report to all concerned within 60 days after receipt of stores for discrepancies found in the consignment. The quantities found short are to be made good by the supplier, free of cost

Understood
agreed ☐ Understood
not agreed ☐

26. **Price Variation.**

a. Prices offered against this tender are to be firm and final.

b. Where the prices of the contracted stores/raw material are controlled by the government or an agency competent to do so on government behalf then price increase/decrease will be allowed at actual on case to case basis on production of government notification by the Supplier for the subject stores where the firms are contractually obliged and bound to produce the stores from raw materials supplied by government/State controlled departments in consultation with Military Finance.

c. Except for calculation or typographical errors, the rates of the contracts not having a price variation clause PVC clause will not be increased subsequently. But when such an increase is considered desirable in the interest of expeditious supply of stores and is necessitated by the circumstances beyond the control of the Supplier, the case may be decided accordingly.

Understood
agreed ☐ Understood
not agreed ☐

27. **Force Majeure.**

a. The supplier will not be held responsible for any delay occurring in supply of equipment due to event of Force Majeure such as acts of God, War, Civil commotion, Strike, Lockouts, Act of Foreign Government and its agencies and disturbance directly affecting the supplier over which events or circumstances the supplier has no control. In such an event the supplier shall inform the purchaser within 15 days of the happening and within the same timeframe about the discontinuation of such circumstances / happening in writing. Non-availability of raw material for the manufacture of stores, or of export permit for the contracted stores from the country of its origin, shall not constitute Force Majeure.

b. The Supplier shall provide the Purchaser with all the necessary proof of the occurrence of the events and its effect on the contract performance within 30 days from the start to force majeure event.

c. The Purchaser shall be entitled to conduct investigation into the cause of delay reported by the Supplier.

d. Where the delay was due to genuine force majeure event it shall extend the delivery for a period of equal to the period in which such force majeure remains operative.

e. Such extension in delivery period, due to force majeure, shall not entitle the Suppliers to claim any extra from the Purchaser.

Understood
agreed ☐ Understood
not agreed ☐

28. Arbitration. Parties shall make their attempt to settle all disputes arising under this contract through friendly discussions in good faith. In the event that either party shall perceive such friendly discussion to be making insufficient progress towards settlement of dispute (s) at any time, then such party may be written notice to the other party refer the dispute (s) to final and binding arbitration as provided below:

Understood
agreed

Understood
not agreed

☐
☐

- a. The dispute will be referred for adjudication to two arbitrators one to be nominated by each party, who before entering upon the reference shall appoint an umpire by mutual agreement, and if they do not agree a judge of the Superior court shall be requested to appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistani Law.
- b. The venue of the arbitration shall be the place from which the contract is issued or such other places as the Purchaser at his discretion may determine.
- c. The arbitration award shall be firm and final.
- d. In course of arbitration the contract shall be continuously be executed except that part which is under arbitration.
- e. All proceedings under this clause shall be conducted in English language and in writing.

29. Court of Jurisdiction. In case of any dispute only court of jurisdiction at Rawalpindi, Pakistan shall have jurisdiction to decide the matter

Understood
agreed

Understood
not agreed

☐
☐

30. Liquidated Damages (LD). Liquidated Damages upto 2% per month are liable to be imposed on the suppliers by the purchaser in accordance with DPP & I-35, if the stores supplied after the expiry of the delivery date without any valid reasons. Total value of LD shall not exceed 10% of the contract value.

Understood
agreed

Understood
not agreed

☐
☐

31. Risk Purchase. In the event of failure on the part of supplier to comply with the contractual obligations the contract will be cancelled at the Risk and Expense (RE) of the supplier in accordance with DPP & I-35.

Understood
agreed

Understood
not agreed

☐
☐

32. Compensation Breach of Contract. If the contractor fails to supply the contracted stores or contract is cancelled either on RE or without RE or contract become ineffective due to default of supplier / seller or stores / equipment declared defective and caused loss to the Government, contractor shall be liable to pay to the Government compensation for loss or inconvenience resulting for his default or from the rescission of his contract when such default or rescission take place such compensation will be in excess to the RE amount, if imposed by the competent authority. Compensation amount in terms of money will be decided by the purchase officer and will be deposited by contractor / seller in Government treasury in the currency of contract.

Understood
agreed

Understood
not agreed

☐
☐

33. **Gratuities/Commission/Gifts.** No commission, rebate, bonus, fee or compensation in any form shall be paid to any local or foreign agent, consultant representative, sales promoter or any intermediary by the Manufacturer/Supplier except the agent commission payable as per the agent commission policy of the government and as amended from time to time and given in the contract. Any breach of such clause(s) of the contract by Manufacturer/Supplier and/or their sole nominated representative may result in cancellation of the contract blacklisting of the Manufacturer/Supplier financial penalties and all or any other punitive measure which the purchaser may consider appropriate.

Undersigned
agreed

Undersigned
not agreed

☐
☐

34. **Termination of Contract.**

a. If at any time during the currency of the contract the Purchaser decides to terminate the contract for any reason whatsoever (other than for reasons of Non-Delivery) he shall have right to do so by giving the Supplier a registered notice to that effect. In that event the Purchaser will accept delivery at the contract price and terms of such stores/goods/services which are in the actual process of manufacture that is completed and ready for delivery within thirty days after receipt by the Supplier of such notice.

b. In the case of remainder of the undelivered stores/goods/services the Purchaser may elect either:

(i) To have any part thereof completed and take the delivery thereof at the contract price or;

(ii) To cancel the remaining quantity and pay to the Supplier for the articles or sub-components or raw materials purchased by the Supplier and are in the actual process of manufacture at the price to be determined by the Purchaser. In such a case materials in the process of manufacture shall be delivered by the Supplier to the Purchaser.

c. Should the Supplier fail to deliver goods/services in time as per quality terms of contract or fail to render Bank Guarantee within the stipulated time period or any breach of the contract the Purchaser reserves the right to terminate/cancel the contract fully or any part thereof at the risk and

Undersigned
agreed

Undersigned
not agreed

☐
☐

35. **Rights Reserved.** Directorate of Procurement (Navy). Rawalpindi reserves full rights to accept or reject any or all offers including the lowest. Grounds for such rejections may be communicated to the bidder upon written request, but justification for grounds is not required as per PPRA Rule 33 (1).

Undersigned
agreed

Undersigned
not agreed

☐
☐

36. **Application of Official Secrets Act, 1923.** All the matters connected with the enquiry and subsequent actions arising there from come within the scope of the Official Secrets Act, 1923. You are, therefore, requested to ensure complete secrecy regarding documents and notes concerned with the enquiry and to limit the number of your employees having access to this information.

Undersigned
agreed

Undersigned
not agreed

☐
☐

37. Acknowledgment. Firms will send acknowledgement slips within 07 days from the date of downloading of IT from the PPRA Website i.e. www.ppra.org.pk

Understand
agreed

Understand
not agreed

☐
☐

38. Disqualification. Offers are liable to be rejected if:-

Understand
agreed

Understand
not agreed

☐
☐

- a. Received later than appointed/fixed date and time.
- b. Offers are found conditional or incomplete in any respect.
- c. There is any deviation from the General /Special/Technical instructions contained in this tender.
- d. Forms DP-1, DP-2 (along with Annexes), and DP-3 duly signed, are NOT received with the technical offer.
- e. Taxes and duties, freight/transportation and insurance charges NOT indicated separately as per required price breakdown mentioned at Para 17.
- f. Treasury challan is NOT attached with the technical offer.
- g. Multiple rates are quoted against one item.
- h. Manufacturers relevant brochures and technical details on major equipment assemblies are not attached in support of specifications.
- i. Subject to restriction of export license.
- j. Offers (commercial/technical) containing non-initialed/ unauthorised amendments/corrections/overwriting.
- k. If the validity of the agency agreement is expired.
- l. The commercial offer against FOB/CIF/CandF tender is quoted in local currency and vice versa.
- m. Principal invoice in duplicate clearly indicating whether prices quoted are inclusive or exclusive of the agent commission is not enclosed.
- n. Earnest money is not provided.
- o. Earnest Money is not provided with the technical offer (or as specified).
- p. If validity of offer is not quoted as required in IT or made subject to confirmation later.
- q. Offer made through Fax/E-mail/Cable/Telex.
- r. If offer is found to be based on cartel action in connivance with other sources/ participants of the tender.
- s. If OEM and principal name and complete address is not mentioned.
- t. Original Principal invoice is not attached with offer.

39. Appeals by Supplier/Firm. Any aggrieved Supplier/Firm against the decision of DP (N) or CINS or any other problematic area towards the execution of the contract may prefer an Appeal to Standing Appeal Committee (SAC) comprising PN Officers and military finance rep at Naval headquarters, Islamabad. The detail and timeline for preferring appeals is given below:

Understand
agreed

Understand
not agreed

☐
☐

S.No	Category of Appeal	Limitation Period
a	Appeals for liquidated damages	Within 30 days decision
b	Appeals for reinstatement of contracts	Within 30 days decision
c	Appeals for risk and expense amount	Within 30 days decision
d	Appeals for rejection of stores	Within 30 days decision
e	Appeals in all other Cases	Within 30 days decision

40. Limitation Any appeal received after the lapse of time limit given in para 39 above shall not be entertained.

Undersigned
agreed ☐ Undersigned
not agreed ☐

41. For Firms not Registered with DGDP For Firms not Registered with DGDP Firms not registered with DGDP undertake to apply for registration with DGDP prior signing of Contract. Details can be found on DGDP website www.dgdp.gov.pk. These firms can participate in tender law para 12 and 14 above

Undersigned
agreed ☐ Undersigned
not agreed ☐

42. Firms which are not registered with DGDP should initiate provisional registration in accordance with Para 41. Besides, ground check by Field Security (FS) Team will be made for security clearance related to participation in the tender after technical opening. Firms undertake to provide following documents for ground check by FS Team:

Undersigned
agreed ☐ Undersigned
not agreed ☐

- a. NTN
- b. Income Tax Return
- c. Sales Tax Return
- d. Sales Tax Certificate
- e. Chamber of Commerce Industry Certificate
- f. Professional Tax Certificate (Excise and Taxation)
- g. Office/Home/Vacant House Property documents
- h. Utility Bills (Phone/Electricity)
- i. Firm Vehicle/Personal Vehicle
- j. CEO Voting Card/NIC Copy, 00Xspecimen signature of CEO
- k. DGDP Registration letter
- l. Firm Bank Statement
- m. Non Black List Certificate
- n. 2 X Witness + CNIC and Mobile Numbers
- o. Police Verification
- p. Agency Agreement
- q. DEM Certificate
- r. ISO Certificate
- s. Stock List with value
- t. Company Profile/Brochers
- u. Employees List
- v. Firm Categories
- w. Sole Proprietor Certificate
- x. Partnership Deed
- aa. Pvt Limited
- ab. Memorandum of Articles
- ac. Form 29 and Form A
- ad. Incorporation Certificate

43. We solemnly undertake that all IT clauses marked as "Understood and Agreed" shall not be changed / withdrawn after tender opening. The IT provisions accepted shall form the baseline for subsequent contract negotiations.

Understood
agreed

Understood
not agreed

☐☐

44. The above terms and conditions are confirmed in total for acceptance.

Understood
agreed

Understood
not agreed

☐☐

45. Format of DPL-15 (warranty form) and PBG are enclosed as Annex A and B.

Understood
agreed

Understood
not agreed

☐☐

Sincerely yours,

(To be Signed by Officer Concerned)

Rank: _____

NAME: _____

INVITATION TO TENDER FORM

1. Schedule to Tender No. 425043/P2412/330254 This tender will be closed for acceptance at 1030 Hours and Will be opened at 11:00 Hours on 2025-05-15 11:00:00 Please drop tender in the Tender Box No. 203

2. You are requested to please use this Performa for price quotation, fill in the prices, affix your stamp on the same, sign it and forward it in original as your Commercial offer along with the covering letter of your firm. If you do not use this form as price quotations your offer might be rejected.

3. You are requested to please attach DP-1 and DP-3 alongwith your quotation duly signed and stamped. Same are available at www.pprs.org.pk

S NO	DETAIL OF STORES	QTY	UNIT PRICE	TOTAL PRICE
1	8410701000891 : Jacket Weather Proof Digital Camouflage for Pak Marine Size Small Detailed: Technical Specification Special Instructions: As Per Annex A General Instructions : As Per Annex B	1000.0 NUMBERS		
2	8410701000892 : Jacket Weather Proof Digital Camouflage for Pak Marine Size Medium Detailed: Technical Specification Special Instructions: As Per Annex A General Instructions : As Per Annex B	1700.0 NUMBERS		
3	8410701000893 : Jacket Weather Proof Digital Camouflage for Pak Marine Size Large Detailed: Technical Specification Special Instructions: As Per Annex A General Instructions : As Per Annex B	500.0 NUMBERS		
Above mentioned price includes 18% sales Tax (Please tick Yes or No)		Yes		No
Grand Total				

Terms and Conditions

- | | |
|------------------------------|---|
| 1. Terms of Payment | As per Annex B |
| 2. Origin of OEM | Indigenous |
| 3. Origin of Spares | Indigenous |
| 4. Technical Security Report | Required |
| 5. Delivery Period | 100% Stock to be offered for inspection by 1st November 2023 & 100% Stock to be Delivered at Depot by 30 December 2023. |
| 6. Currency | |
| 7. Bank for acceptance | PAK RUPEES |
| 8. Bid validity | FOR
The validity period of quotations must be indicated and should invariably be 120 days from the date of opening of commercial offer or 30th June whichever is later. Firm undertakes to extend validity of offer if required by equal number of original bid period (i.e. 120 days as per original offer) i.e w PPRA Rule-26. |
| 9. Tendering procedure | Single Stage - Two Envelopes
bidding procedure will be followed. PPRA Rule 35 refers. |

10. Earnest Money/Tender Bond

Please ensure Earnest Money is contained in a separate envelop (not inside Technical or commercial offer). Offer is liable to be rejected in case Earned Money is packed inside commercial or Technical offer. Your tender must be accompanied by a Call Deposit Receipt (CDR) in favor of CMA (DP), Rawalpindi for the following amounts:-

a. **Submitting tender Earnest** Earnest Money/Bid Security furnished with tender is strictly in conformity of tender/IT conditions (Clause 14 of DP-1 and clause 10 of DP-2) on the subject. We have no objection on confiscation of Earnest Money/Bid security and rejection of our offer in case amount of Earnest Money/Bid Security is improper/insufficient in violation of IT condition.

b. **Rates for Contract** The rate of earnest money and its maximum ceiling for different categories OF FIRMS would be as under:-

- | | |
|---|---|
| (i) Registered/Indexed/Pre-Qualified Firms. | 2% of the quoted value subject to maximum ceiling of Rs. 0.500 Million. |
| (ii) Registered/Pre-Qualified but Un-indexed | 3% of the quoted value subject to maximum ceiling of Rs. 0.750 Million. |
| (iii) Unregistered/not Pre-Qualified/Un-indexed | 5% of the quoted value subject to maximum ceiling of Rs. 1.000 Million. |

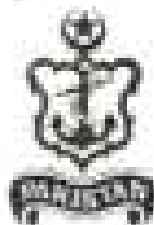
c. **Return of Earnest Money.** (i) Earnest money to the unsuccessful bidders will be returned on finalization of the contract.
(ii) Earnest money of the firms/firms with whom contract is concluded will be returned on submission of Bank Guarantee and its acceptance by CMA (DP).

All Participating firms must submit technical offers in duplicate (one for TBR committee and one for DP (Navy) record).

- a. Unregistered (Not registered with Directorate General Defense Purchase) firms must provide the documentary evidence of their financial capability to undertake the project.
- b. Unregistered firms are to submit a certificate along with their Technical offer stating that the firm is not black listed by any government organization and not under disciplinary trial or embargo.
- c. Only registered suppliers on Active Taxpayers List (ATL) of FBR are eligible to participate in the Tender and submit quote.
- d. Release of payments is subject to mandatory submission of Filer Certificate duly issued by FBR showing the name of supplier on Active Taxpayers List (ATL). No payment will be released by CMA (DP) unless latest Filer Certificate duly issued by FBR showing the name of supplier on its Active Taxpayers list is submitted alongwith payment documents.
- e. In case of Pakistani firms, sales tax, NTN and income tax registration certificates are to be attached with the offer. These certificates are mandatory with the BID, otherwise offer shall be REJECTED.
- f. Company registration certificates are to be attached with offer.
- g. Requisite amount of earnest money (in shape of COR/Demand Draft/Pay Order in the favour of CMA (DP)) is to be attached in separate envelop in sealed condition with the Technical offer. Photocopy of the same shall also be attached with DP-2 as a testimony. Cheques/crossed cheques shall not be accepted. Technical offers received without earnest money shall not be accepted and will be rejected on spot.
- h. Duly completed Form DP-1 and DP-3 are to be attached with Technical Offer.
- i. DP-2 Form shall also be submitted with Technical Offer without mentioning of prices. Moreover, compliance or otherwise against each para/requirement of Annex A, B & C duly signed and stamped by firm authorized rep is to provide for technical scrutiny.
- j. Price preference is admissible to local manufacturers over foreign vendors as per PPRA Rule 24 and Govt of Pakistan (Ministry of Commerce) SRO 827 (I)/2001.
- k. Tender having single item with difference sizes will be dealt as packages depending upon overall cost/ lowest bid.

Note: In case of failure to comply above instructions, Terms and conditions, offer will liable for rejection.

REVISED PN SPECIFICATION NO 05/2019



REVISED PN SPECIFICATION No. 05/2019
PROMULGATION DATE: 03 JUNE 2025

WEATHER PROOF JACKETS

This document is the property of the Pakistan Navy and its use is authorized for personnel in the course of their inspection, Quality Assurance, Storage, and Issuance and on need to know basis. The unofficial retention or destruction of this document is an offence.

Prepared by

Indigenous Technical Development Wing (ITD-WING)
Naval Research & Development Institute (NRDI)
at NSSO Area, West Wharf Road
KARACHI

Tel: 021-46509411-3258

Fax: 021-9921476

Email: itd@paknavy.gov.pk
itd@paknavy.gov.pk

REVISED PN SPECIFICATION NO 052018

PROMULGATION ORDER

1. This specification is hereby approved and promulgated for information, guidance and compliance by all concerned.
2. Details contained in the specification are to be studied and implemented with due regard to interest of the Service.
3. The PN Specifications contained herein revision the PN Specifications 01/2017 dated 15 March 2017 promulgated earlier.

SUGGESTIONS FOR AMENDMENT

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

<u>CONTENTS</u>	
<u>Description</u>	<u>Page No</u>
Promulgation Order	i
Suggestions for Amendment	ii
Table of content	iii
Record of Changes/ Amendments	iv
<u>Details</u>	
Designation	1
Usage	1
Introduction	1
Scope	1
Related Documents	1
Definitions & Abbreviations	2
Technical Details of Weather Proof Jacket	2
Manufacturing Details of Weather Proof Jackets	2
Quality of Workmanship and finishing	2
Testing	4
Tender Sample	4
Advance Sample	4
Inspection	5
Stamping of Accepted/ Rejected Stores by Inspector	5
Special Instructions	5
Packing Details	6
Identification Label	7
Packing List	7
Marking of Stores	8
Delivery	8
<u>Annexes</u>	
A. Definitions & Abbreviations	9
B. Technical Details of Weather Proof Jackets	10
C. Measurements and Dimensions	23
D. Technical Drawings of Weather Proof Jackets	24
E. Common Defects in Fabric (ASTM D-3960)	27
F. Guide Line For Fabric Inspection	28
G. Acceptable Quality Levels (AQLs)	30
H. Feedback Form	34
Blank page	35

REVISID PN SPECIFICATION NO. 05/2018

RECORD OF CHANGES: AMENDMENT

[illegible]

REVISED PN SPECIFICATION 05/2019
(WEATHER PROOF JACKETS)

0101. DESIGNATION

1. Weather Proof Jackets for GSOC Navy (Dress No. 4), Pak Marines and SSG (N).

0102. USAGE

1. These jackets will be used by PN personnel during cold weather of Ashore/Establishment.

0103. INTRODUCTION

1. This specification is prepared by Indigenous Technical Development Wing (ITD-South), (NRDI) to provide necessary guidance to the potential manufacturers/ suppliers of the items mentioned herein. This specification is to be used for testing and deciding upon acceptance, or otherwise, of the items mentioned. Any alteration or addition in this specification can be suggested to ITD Wing (NRDI). This specification is the revision of PN Specification no. 05/2019 dated 17 July 2019 and other specifications promulgated earlier in relation to the item mentioned herein.

2. This specification consists 38 pages, including cover page and 08 Annexes.

0104. SCOPE

1. This specification covers the technical/ manufacturing requirements of Weather Proof Jacket to be used by personnel of Pakistan Navy. It defines and lays down the quality standards, and details of materials, workmanship and finish. It also defines briefly requirement and process of sampling, testing, inspection acceptance/rejection, marking, preservation, packing and delivery etc.

2. The supplier/ manufacturer shall comply in every respect with the terms of this specification and ensure that the stores conform to it, in all respects.

0105. RELATED DOCUMENTS

1. The standards and documents that have been referred to in this specification are:

a.	ISO 1833	Textile – Quantitative chemical analysis
b.	ISO-3801	Determination of mass per unit length and area
c.	ISO-7211/2	Determination of number of threads per unit length
d.	ISO-7211/3	Determination of linear density of yarn removed from fabric
e.	ISO-105-C03	Colour fastness to Washing test No. 3
f.	ISO-105-E02	Colour fastness to Seawater test
g.	ISO-105-X12	Colour fastness to Rubbing test
h.	ISO-105-E04	Colour fastness to Perspiration
j.	ISO 13034-01 1999	Textile- Tensile properties of fabrics (strip method)

k.	ISO 13937-01 1999	Textile- Tear properties of fabric (Elmendorf)
l.	AATCC 128- 2009	Wrinkle Recovery of fabric
m.	AATCC 79- 2010	Absorbency of Textiles
n.	ISO 8237:1995	Determination of permeability of fabric to air
o.	ASTM D 1230	Flammability of Apparels
p.	ISO 6330 (3A)	Domestic washing and drying procedures for textile testing
q.	BS EN ISO 12945-3	Determination of fabric propensity to surface fuzzing and to piling
r.	BS EN ISO 12947-4	Determination of the abrasion resistance of fabrics by the Martindale method
s.	BS EN 35877	Determination of Dimensional Change in washing and drying
t.	ISO 3671	Determination of pH of aqueous extract
u.	AATCC 16 option 3	Colorfastness to light
v.	BS 4162	Methods of test for buttons
w.	AATCC 133	Colorfastness to hot press
x.	ASTM D 5171	Standard test method for impact resistance of plastic sew-through buttons
y.	ASTM D5169	Dynamic shear strength of hook and loops touch fastener (Velcro)
aa.	ASTM D 5170	T Peel Strength of hook and loop touch fastener (Velcro)
ab.	ISO 4920	Determination of water resistance (Spray Test)
ac.	ISO 16322-3	Determination of spirality after laundering (Part 3) Woven & Knitted Garments

0106. DEFINITIONS & ABBREVIATIONS

1. Definitions for the terms used in this standard are given at Annex A.

0107. TECHNICAL DETAILS OF WEATHER PROOF JACKET

1. The technical details of Weather Proof Jacket are given at Annex B of this specification.

0108. MANUFACTURING DETAILS OF WEATHER PROOF JACKET

1. Weather Proof Jackets are manufactured as per fabric description given as follows:
 - a. Fabric of Jacket of General Service Digital Camouflage (GSDC) is manufactured as per description given in PN Specifications of General service digital camouflage Dress 4 (afloat) 100% Cotton 01/2018.
 - b. Fabric of Jacket of Pak Marines is manufactured as per description given in PN Specifications of Dress Pak Marines 60% Cotton 40% Polyester 03/2018.

REVISED PN SPECIFICATION NO 05/2015

- c. Fabric of Jacket of Special Services Group (Navy) (SSG) is manufactured as per description given in PN Specifications of Dress SSG (N) 80% Cotton 40% Polyester 04/2015.
- d. Measurement schedule and drawing at Annex C and D respectively Sealed/Stock sample can be obtained from Director Security/ DCLS.
2. Weather Proof Jackets are manufactured as per measurement schedule and drawing at Annex C and D respectively. Sealed/Stock sample can be obtained from Director Security/ DCLS.
3. 'PAK NAVY' soft tally as per PN Specification No. 03/15 promulgated vide reference PN/MD/TC/03/182389 dated 03 May 15 shall be attached above left chest pocket of weather proof jacket.
4. Velcro for 'PAKISTAN FLAG PATCH' as per PN Specification No. 02/2014 shall be attached as per drawing at Annex D of this specification.
5. Velcro for Soft Name tally as per PN Specification No. 04/14 shall be attached as per drawing at Annex D of this specification.
6. Jacket shall be manufactured with preshrunk fabric.
7. Ends of braided cord and elastic cords shall be properly fused to avoid fraying.
8. Eyelets shall be cinched properly and does not have any protruding edges.
9. The machine stitches shall be of even tension and all loose ends shall be trimmed/ fastened off.
10. The number of stitches for jackets shall be 7-8 per 25 cm.
11. The quilting shall be made with 3.5 x 3.5 cm square.
12. Two spare buttons each for bush jacket be provided/ stitched on the garment.
13. Polyester Buttons used should be Mar finished, 4 holes with 18 mm dia (3D) ligne with 4 mm thickness and black in colour shall be used on cuff. Buttons of 18 mm dia with 4 mm thickness shall be used on shoulders only. The button is to be fastened with same matching black colour thread with cross sewing neatly.
14. Skewness/ Spinality in Woven Garment is not more than 02% $\pm$ 0.5%.
15. Buckram is to be used in Main Zip cover, Pocket Flaps and Collar of Jacket.

0109. QUALITY OF WORKMANSHIP AND FINISHING

1. Workmanship and finish of the Weather Proof Jacket shall be equal to the sealed sample. It shall be best of its class and fulfil all the requirements attached at Annex B of this specification or to the entire satisfaction of the Inspector. Sealed/ Approved sample is either held with DCLS/ PNCSD/ CINS and the sample should be provided to CINS (if required) for comparison & guidance or accepted/approved from bulk supply if deemed appropriate.

0110. TESTING

1. The material shall be subjected to tests laid down in this specification at Annex B of this specification and related documents. At least two Weather Proof Jacket will be required to complete all the tests mentioned at Annex B of this specification. The material may also be subjected to such tests which are deemed necessary by the inspection authority in order to determine their suitability. Inspecting Authority reserves the right to get any B/R samples tested from any reputable Laboratory other than PN. However, any test considered important by Inspecting Authority other than Annex B may also be conducted in order to check its suitability.

0111. TENDER SAMPLE

1. Tender sample to be approved by TSR Committee.
2. For each contract 5 x samples of Weather Proof Jacket shall be supplied by the manufacturer at the time of tendering along with samples of materials used in manufacturing of jackets for inspection as follows:

S.No	Items	QTY
a.	Base Cloth	3 mtrs
b.	Lining Cloth	3 mtrs
c.	Velcro Tape each type	3 mtrs
d.	Braided Cord each type	6 mtrs
e.	Sewing Thread each type	1 Tube
f.	Buttons each type	1 Dozen
g.	Barrel Cord Lock Plastic	6 Nos
h.	Zipper each type	2 Nos
i.	Snap Buttons	1 Dozen
k.	Eyelet	1 Dozen
l.	Fleece for pocket lining	2 mtrs
m.	Fabric for detachable Lining	3 mtrs
n.	Fabric Piping for detachable lining	3 mtrs
p.	Knitted Cuff	0.5 mtrs
q.	Polyester Wadding	1 mtrs
r.	Fusings/ buckram	1 mtrs

0112. ADVANCE SAMPLE

1. Advance sample or pre-production sample, when required, shall be submitted in accordance with terms of the contract for inspection, testing and approval by OINS. The minimum quantities required are 05 samples of Weather Proof Jackets alongwith samples of materials used in manufacturing of jackets for inspection.
2. Whenever Tender, Advance or pre-production sample is not required, the suppliers / manufacturer are advised in their own interest to submit to the Inspecting Officer or his representative an initial delivery of One % of the contract or ten Weather Proof Jackets, whichever are more along with samples of materials for inspection.
3. The approval of the sample authorizes the commencement of bulk production but does not relieve the suppliers/ manufactures from compliance with all the provisions of this specification. One approved sample after rectification of all

observations highlighted by inspecting Officer shall be properly sealed by INS and returned to the firm for guidance; rest of the approved sample shall be retained by INS for future use in bulk inspection.

4. The Pre-production sample shall be manufactured by the manufacturer with the same facilities which will be used for manufacturing of the bulk items.

5. Firm shall provide advance sample along with quality verification reports of Weather Proof Jacket from an accredited laboratory to ensure in process inspection/ quality procedure of the firm.

0113: INSPECTION

1. Bulk representative sample B/R random sampling will be carried out as per rules in vogue.

2. Bulk inspection Bulk inspection will be carried out after satisfactory completion of Visual Examination and Testing of B/R Sample.

3. Inspection of Weather Proof Jacket 100% of the offered store shall be inspected. The guide lines for such examination/inspection are listed at Annex E. Stage inspection of Weather Proof Jacket may be carried out as deemed appropriate by Inspection Authority.

4. Inspection/ Acceptance and Rejection of Stores Inspection/ acceptance is to be carried out to the satisfaction of Chief Inspector Naval Stores.

5. The Weather Proof Jacket shall be examined for the correctness of material, shape, design, dimension, size, workmanship and finish.

6. All Weather Proof Jacket shall be inspected w.r.t defective shape, discoloration/ fading, pinholes, closing of Weather Proof Jacket are to be especially checked.

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

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

9. All stores and packing NOT fully in accordance with this specification shall be rejected.

10. Weather Proof Jacket with defects as described in Annex E of this specification may be rejected as per decision of inspection authority.

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

12. **Replacement by the Contractor** The supplier/manufacture is responsible for replacement of the consignment or any part thereof whenever it is found to be not conforming to this specification. The supplies so tendered in replacement shall be subjected to testing/inspection and acceptance by the Inspecting Officer.

13. **Responsibility for Safety** The supplier/manufacture is wholly responsible for the safety of supplies during inspection, storage at firm's premises, proper packing, dispatch and delivery up to consignee.

0114. **STAMPING OF ACCEPTED/ REJECTED STORES BY THE INSPECTOR**

1. Following instructions are to be followed:-

a. **Stamping of Accepted Stores** Each acceptable Weather Proof Jacket shall be stamped with Inspector's Individual Acceptance Mark. The stamping shall be legible.

b. **Stamping of Rejected Stores** The rejected Weather Proof Jacket shall be marked with Inspector's Rejection Mark to avoid re-submission by the supplier.

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

0115. **SPECIAL INSTRUCTIONS**

1. **Care Instructions** Care instructions in English and Urdu shall be attached with each Weather Proof Jacket as indicated in the drawing and have minimum requirement as follows:

a. Washing procedure (Zip all the zippers prior laundering, avoid harsh chemicals, dark/ stained uniform washed separately, etc.)

b. Drying procedure (after washing uniform must be hunged in shade and turn cloth inside out).

c. Use of camphor pouches, dried neem leaves, or bag of salts in the box and in wardrobe for freshness and less fading.

d. Any Prohibition.

0116. **PACKING DETAILS**

1. The store when ordered to be delivered 'PACKED' shall be packed as per following instructions:

a. Each Jacket shall be properly folded length wise.

b. Unique Security Code (as embossed on the inside of each item) alongwith corresponding Barcode, may also be indicated on outside of each polythene bag in form of stickers at a suitable place.

c. The Weather Proof Jackets shall be packed in a neat, dry and clean condition in polyethylene bag of suitable size.

REVISED PN SPECIFICATION NO 05/2015

- d. 05 Weather Proof Jackets shall be further packed in a thick Boxboard/Flouring.
- e. Complete set of tracking/ security code must be provided.
- f. Placed inside the thick Boxboard/ Flouring.
- g. Each Box Board packing shall be securely and properly packed.
- h. Each box board shall consist of same size.

0117. IDENTIFICATION LABEL

1. Each Weather Proof Jacket shall bear following minimum information attached with Weather Proof Jacket:

- a. Item name/ item description with NSA/Pattern No.
- b. Material Composition.
- c. Contract number and Date.
- d. Year of manufacture.
- e. Contractor's name, initials, or trade mark.
- f. Batch No.

2. Unique Security Code/ tracking code with permanent ink should be embossed in the following way on inside of each Jacket at a suitable place:

- a. A unique security/tracking code (10-12 digits) with permanent ink should be embossed/ printed on the inner side of each shirt/ jacket (preferably at collar or cuff) as well as the Trouser (inner side of the front/back pocket or waist belt).
- b. The complete security/ tracking code must start with a 4-letter alphabet to represent manufacturing supplier/ firm name followed by 6 to 8 digits. For instance, 'PNSY00010789' for M/s Paray or 'NGHT00020760' for M/s Nishat.
- c. Specific alphabet should be defined in indent of store initiated by concerned depot.

0118. PACKING LIST

1. Firm is bound to provide a packing list of store offered for inspection alongwith the challan, which include complete details about the store i.e Pattern No., Description of Store, size, quantity, contract no. and date, challan no. and date. A packing list shall be enclosed after completion of inspection with each packed box giving full details about the stores packed i.e. Pattern No., description of stores, size, quantity, contract no. and date, Invoice no. or voucher no. and date, consignee, firm's name, Date of packing and packer's signature.

0119. MARKING OF STORES

1. In addition to any special marking required by contract or order, the marking of packages shall be stenciled with quick drying Black ink/ Paint in accordance with Specification No. NS/MISC/002/80 with clearly defined characters as described below:

a. On Front and Top:

- (1) Consignee Address.
- (2) Contract No and date.
- (3) Description of Stores Packed and NSN/Patt no.
- (4) Quantity of the item packed.

b. On Back:

- (1) Manufacturers name / Firm's name.
- (2) Voucher No. or inspection note no. and date.
- (3) The No. of individual Package and the total No. of Packages in the consignment joined by the word 'of' e.g. 2 of 300.
- (4) Weight of the package.
- (5) Month and year of packing.

0120. DELIVERY

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

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

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

XXXXXSXXXXX

USMAN ZAFAR TM)
Captain Pakistan Navy
Director

Annexes:

A.	Definitions & Abbreviations	9
B.	Technical Details of Weather Proof Jackets	10
C.	Measurements and Dimensions	23
D.	Technical Drawings of Weather Proof Jackets	25
E.	Common Defects in Fabric (ASTM D-3590)	27
F.	Guide Line For Fabric Inspection	28
G.	Acceptable Quality Levels (AQLs)	32
H.	Feedback Form	34

**ANNEX A TO
REVISED PN SPECIFICATION NO 05/2019
PROMULGATION DATE 03 JUNE 2025**

DEFINITIONS & ABBREVIATIONS

1. DEFINITIONS

a. Following definitions are used in this specification and will be adopted for use:

(1) **Inspector** The term inspector shall include the "Inspection Authority", Inspecting Officers and their representatives, duly authorized for the purpose of discharging inspection duties involved.

(2) **Inspection Authority** Chief Inspector of Naval Stores (CINS). His verdict in respect of Sealed Inspection matters is to be taken as final.

(3) **Inspecting Officers** An Officers nominated by the CINS for carrying out inspection of stores supplied by the supplier, against a specified contract or order, in accordance with the particulars stipulated therein.

(4) **Acceptance Quality Levels (AQLs)** It represent allowable limit/ tolerance of defects or non-conformities in an offered store/ lot/ batch. It represent in percentage, also known as Allowable Quality Limits.

(5) **Minor Defects** They are small insignificant issues that don't affect the function or form of the item. Highest tolerance of AQL has been set for minor defects.

(6) **Major Defects** They would likely result in product return but don't poses safety risk. AQL tolerance depend upon the description/ quality of finished product.

2. ABBREVIATIONS

a. Following abbreviations are used in this specification and will be adopted for use:

- | | | |
|-----|---------------------|--|
| (1) | <u>CINS</u> | Chief Inspector of Naval Stores. |
| (2) | <u>DID</u> | Director of Inventory Deletion. |
| (3) | <u>DCLS</u> | Directorate of Clothing Stores. |
| (4) | <u>PNCSO</u> | Pakistan Navy Clothing Store Depot. |
| (5) | <u>PNCTA</u> | Pakistan Navy Central Testing Authority. |

ANNEX B TO**REVISED PN SPECIFICATION NO 05/2019****PROMULGATION DATE 03 JUNE 2025****TECHNICAL DETAILS OF WEATHER PROOF JACKETS**

S NO	ITEM	REQUIREMENT				
1. BASE FABRIC MATERIAL SPECIFICATION (RIBBED CAMOUFLAGE CLOTH)						
a.	Material	For SSG(N)/ Pak Marines	GSDC Dress 4			
		60% Cotton 40% Polyester	100% Cotton			
b.	Count of Yarn	20 $\pm$ 2 (29.5 $\pm$ 2 Tex) 18 $\pm$ 2 (37 $\pm$ 2 Tex) Ring spun Combed yarn shall be used				
	(1) Warp (2) Weft					
c.	Threads per Inch	123 $\pm$ 5 83 $\pm$ 5				
	(1) Warp (2) Weft					
d.	Color Scheme	GSDC Dress 4 L a b values				
	Color shade	Pantone Shade (TCX)	L	a	b	
	(1) Black	19-1101	30.96	2.44	0.82	
	(2) Dark Grey	18-4008	49.64	0.26	0.75	
	(3) Medium Grey	17-4405	54.41	0.17	0.28	
	(4) Light Grey	15-4003	65.30	0.31	2.28	
	(5) Grey	16-4702	72.62	-1.23	3.12	
	(6) Pastel Grey	13-4303	77.34	-0.64	3.25	
	(7) Color Difference	$\Delta E \leq 1$				
	Pak Marines L a b values					
	Color shade	Pantone Shade (TCX)	L	a	b	
	(1) Navy Blue	19-4027	24.12	-3.74	-14.70	
	(2) Dark Brown/ Brown	18-0814	27.50	6.06	11.20	
	(3) Light Brown	18-0930	33.78	7.09	13.12	
	(4) Khaki	16-0518	55.15	1.28	20.46	
	(5) Green	19-0315	13.21	5.24	12.24	
	(6) Beige Dye	14-0216	65.06	-3.31	14.75	
	(7) Color Difference	$(\Delta E \leq 1)$				
	SSG (N) L a b C H values					
	Color shade	L	a	b	c	h
	(1) Brown	29.28	5.63	9.87	11.19	68.79
	(2) Black	17.45	2.06	-1.75	2.71	319.74
	(3) Green	31.54	-8.28	8.24	11.83	135.13
	(4) Olive Green/ Beige	48.1	2.48	15.18	15.38	90.72
	(5) Color Difference	$(\Delta E \leq 1)$				
e.	Weave Pattern	Twill weave 2/1 - Rip Stop				
f.	Threads /Rib					

REVISED PW SPECIFICATION NO 05/2019

	(1) Warp	2 each single	
	(2) Weft	2 each single	
g.	Size of Rib		
	(1) Warp	6mm±1mm	
	(2) Weft	6mm±1mm	
h.	Weight (gm/sq.mtr)	245 gm ± 2%	
j.	Finish	Mercerize and sanforize	
k.	Nature of Dye Ground		
	(1) Dye	Vat Disperse	Vat
	(2) Print	Vat Disperse	Vat
l.	Camouflage Design Pattern	As per Appendix II	
3. BASE FABRIC PERFORMANCE TESTING			
a.	Color fastness to washing (Test No. 3)		
	(1) Change in Shade	GS: 4 or better	
	(2) Staining	GS: 4 or better	
b.	Color Fastness to Rubbing (Dry)		
	(1) Staining	GS: 4 or better (for black only 3 or better)	
c.	Color Fastness to Rubbing (Wet)		
	(1) Staining	GS: 3/4 or better (for black only 3 or better)	
d.	Color Fastness to light		
	(1) Change in Shade	GS: 4 or better	
e.	Color Fastness to perspiration		
	(1) Change in Shade	GS: 4 or better	
	(2) Staining	GS: 4 or better	
f.	Color Fastness to Sea Water		
	(1) Change in Shade	GS: 4 or better	
	(2) Staining	GS: 4 or better	
g.	Breaking strength in N (10.2 cm x 20 cm BG)		
	(1) Warp	1000 ± 5%	
	(2) Weft	800 ± 5%	
h.	Tear Strength(N)		
	(1) Warp	44 ± 5%	
	(2) Weft	48 ± 5%	
j.	Flammability	Class1	
		Flame spread time ≥ 3.5 sec	
k.	Dimensional Stability test after 3 HL 40°C		
	(1) Warp	±3%	
	(2) Weft	±3%	
l.	Wrinkle recovery	Minimum 2	
m.	Crease recovery	150 ± 3%	
n.	Appearance after 5-10 washes (3A) with tumble dry	Satisfactory	
p.	Pilling resistance after 5000 cycles	Grade 4	

q.	Adhesion resistance after 6000 cycles	No thread break
r.	pH level	5-8
s.	Water repellency	Class IV or better
3.	LINING FABRIC MATERIAL SPECIFICATION (For Inner Lining of Jacket)	
a.	Blend Composition	
a.	Cotton	30 % $\pm$ 3
b.	Polyester	70 % $\pm$ 3
b.	Thread per 25 mm	
(1)	Warp	80 $\pm$ 2
(2)	Weft	72 $\pm$ 2
c.	Count of Yarn	
(1)	Warp	30 PC
(2)	Weft	150 Denier $\pm$ 1
d.	Weave	Plain
e.	WT per sq mtr	150 g $\pm$ 10 g
f.	Nature of Dye	Vat/ Disperse
g.	Width (excl Selvage)	141 cm
h.	Shade	Light grey Pantone # 15-4003 TCX for Dress 4 Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0820 TCX for SSG (N)
4.	LINING FABRIC PERFORMANCE TESTING	
a.	Shrinkage	
(1)	Warp	1.5 % $\pm$ 1 Max
(2)	Weft	1.5 % $\pm$ 1 Max
b.	BD (10.2 X 18.8 cm BD)	
(1)	Warp	140 Kg $\pm$ 10 Kg
(2)	Weft	140 Kg $\pm$ 10 Kg
c.	Washing Test - 3	
(1)	Change in Shade	GS No -4 or better
(2)	Staining	GS No -4 or better
d.	Perpiration Test (Acid & Alkaline)	
(1)	Change in Shade	GS No -4 or better
(2)	Staining	GS No -4 or better
e.	Scouring Loss %	1%
5.	POLYESTER FABRIC (Base Cloth for Wadding Inner)	
a.	Material	30 $\pm$ 3% Cotton 70 $\pm$ 2% Polyester
b.	WT/sq mtr	130 g $\pm$ 3 g
c.	Thread /25mm	
(1)	Warp	90 $\pm$ 2 No
(2)	Weft	72 $\pm$ 2 No
d.	Linear Density	
(1)	Warp	30 PC
(2)	Weft	150 Denier $\pm$ 5 Den
e.	Shrinkage	
(1)	Warp	1.5 % Max
(2)	Weft	1.5 % Max

REVISED PN SPECIFICATION NO 05/2018

f.	Breaking Strength (10.2 x 15.8 cm BG) (1) Warp (2) Weft	140 Kg $\pm$ 10 Kg 140 Kg $\pm$ 10 Kg
g.	Washing Test No -3 (1) Change in Shade (2) Staining	GS No 4 – or better GS No 4 – or better
h.	Perpiration test (acid / alkaline) (1) Change in Shade (2) Staining	GS No 4 – or better GS No 4 – or better
i.	Nature of Dye	Var Disperse
j.	Shade	Light grey Pantone # 15-4003 TCX for Dress 4 Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0520 TCX for SSG (N)
k.	Weave	Plain
E. FILLING /WADDING MATERIAL SPECIFICATION (For insulating Material of Liner)		
a.	Material	100 % Polyester
b.	Weight per sq meter(gms)	175 $\pm$ 25 gms
c.	Thickness at 300-g Load	2.4 mm $\pm$ 0.2 mm
F. CLOTH LINING For piping of wading liner		
a.	Width (Excluding selvedge)	141 cm
b.	Wt/ Sq mtr	130 g $\pm$ 10g
c.	Thread /25mm (1) Warp (2) Weft	90 $\pm$ 2 72 $\pm$ 2
d.	Count of Yarn (1) Warp (2) Weft	30 PC 150 Denier
e.	Shrinkage (1) Warp (2) Weft	1.5 % Max 1.5 % Max
f.	Breaking Strength (10.2 x 15.8 cm BG) (1) Warp (2) Weft	140 Kg $\pm$ 10 Kg 140 Kg $\pm$ 10 Kg
g.	Washing test no-3 (1) Change in Shade (2) Staining	GS No – 4 better GS No – 4 better
h.	Perpiration Test (Acid / Alkaline) (1) Change in Shade (2) Staining	GS No – or better GS No – or better
i.	Nature of Dye	Var/ Disperse
j.	Blending Composition	

	(1) Cotton (2) Polyester	30% $\pm$ 3 70% $\pm$ 3
i.	Shade	Light grey Pantone # 15-4003 TCX for Dress 4 Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0620 TCX for SSG (N)
m.	Weave	Plain
5. CUT ZIPPER NYLON COIL (YKK BRAND/ EQUIVALENT) SMALL NO 5 For attachment of lining sleeve		
a.	Material of teeth	Nylon
b.	Teeth Shape	Coil
c.	Performance	Satisfactory
d.	Shade	Matching with lining fabric
e.	Material of Tape	Polyester
f.	Slider of Zipper (1) Material (2) Nature of coating	Die-cast Zinc Alloy Painted
6. KNITTED CUFF		
a.	Blending Composition (1) Cotton (2) Lycra	95% 5%
b.	Count of Yarn (1) Cotton (2) Splicing	10/1 $\pm$ 1 70 Den $\pm$ 5 Den
c.	Wt/ sq mtr	570 g $\pm$ 10 g
d.	No of Needles & No. of coarse	22/ inch $\pm$ 3 30/ inch $\pm$ 3
e.	Shade	Matched with Base Fabric lining Light grey Pantone # 15-4003 TCX for Dress 4 Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0620 TCX for SSG (N)
f.	Dye (1) Cotton (2) Polyester	Var/ Reactive Disperse
g.	Shrinkage (1) Warp (2) Weft	2% max 2% max
h.	Washing Test No. 3 (1) Change in Shade (2) Staining	GS - 4 or better GS - 4 or better
i.	Perspiration Test (Acid/ Alkaline) (1) Change in Shade (2) Staining	GS - 4 or better GS - 4 or better
10. ZIPPER MATERIAL SPECIFICATION OF FRONT OPENING		
a.	Tape Material	100 % Polyester
b.	Color	Light grey Pantone # 15-4003 TCX for Dress 4 Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0620 TCX for SSG (N)

REVISED PN SPECIFICATION NO 03/2019

c.	Elements	POM (Polyoxymethylene) Chips
d.	Zipper parts (top stop and open parts)	POM (Polyoxymethylene) Chips
e.	Zipper parts (slider)	Zinc Alloy (Zn: 93 %, Al:4 %, Cu: 3%)
11. <u>ZIPPER FRONT OPENING PERFORMANCE TESTING</u>		
a.	Operating force (N)	5.5 N (Max)
b.	Cross wise (N)	300 N (Min)
c.	Element Slippage	45 N (Min)
d.	Element Pull off	45 N (Min)
e.	Folded Cross wise (N)	100 N (Min)
f.	Top Stop Strength	70 N (Min)
g.	Separating unit Cross wise Strength	80 N (Min)
h.	Slider Lock Strength	40 N (Min)
i.	Slider Strength 90°/45°	180 N (Min)
j.	Durability	500 cycles
12. <u>ZIPPER MATERIAL SPECIFICATION OF HOOD</u>		
a.	Tape Material	100% Polyester
b.	Color	Matched with base fabric Light gray Pantone # 15-4003 TCX for Dress 4 Green Pantone # 18-0315 TCX for Pak Mannes Olive Green Pantone # 17-0620 TCX for SSG (N)
c.	Coil Chain	PET
d.	Zipper parts (top stop and open parts)	Brass (Cu: 80%, Zn: 10%, Mn: 10%)
e.	Zipper parts (slider)	Zinc Alloy (Zn: 93 %, Al: 4 %, Cu: 3%)
13. <u>ZIPPER HOOD PERFORMANCE TESTING</u>		
a.	Operating force (N) ASTM D2062	5.5 N (Max)
b.	Cross wise (N) ASTM D 2061	400 N (Min)
c.	Folded Cross wise (N) ASTM D 2061	350 N (Min)
d.	Top Stop Strength ASTM D 2061	100 N (Min)
e.	Separating unit Cross wise Strength	80 N (Min)
f.	Slider Lock Strength ASTM D 2061	40 N (Min)
g.	Slider Strength 90°/45°ASTM D 2061	180 N (Min)
h.	Durability	500 cycles
14. <u>SNAP BUTTON MATERIAL SPECIFICATION</u>		
a.	Material	Brass

15. SNAP BUTTON PERFORMANCE TESTING		
a.	Visual	No Sharp point or edges
b.	Resistance to corrosion ASTM B117 QSS	No corrosion or visual change
c.	Attachment Strength ASTM P5 79	15 Lbs for 10 Sec
d.	Operability (Open/Close) ASTM D4846	2.0-5.0Lbs
e.	Appearance after laundering	No Chipping, Cracking, Paint Loss, Color transfer
16. BRAIDED CORD MATERIAL SPECIFICATION (Yoke & bottom adjustment)		
a.	Material (1) Outer (2) Inner	Polyester Rubber
b.	Thickness	6 mm
c.	Color	Light grey Pantone # 15-4003 TCX for No. 4B Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0620 TCX for SSG (N)
d.	Circumference	3.5 mm
e.	Wt/Liner Mtr	8.5g $\pm$ 0.5g
f.	Construction (1) Braided (2) Core	17 $\pm$ 1 each multifilament 30 $\pm$ 1
g.	Nature of Dye	Disperse
17. BRAIDED CORD PERFORMANCE TESTING		
a.	Breaking Strength in kg at 250 mm BG	Does not break at 45 kg
b.	Washing Test No - 3 (1) Change in Shade (2) Staining	GS No -4 or better GS No -4 or better
18. BRAIDED CORD (Hood)		
a.	Circumference	3.5 mm
b.	Wt/Liner mtr	4 g $\pm$ 0.5 g
c.	Material	Polyester
d.	Construction	4 braided yarn
e.	Colour	Light grey Pantone # 15-4003 TCX for No. 4B Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0620 TCX for SSG (N)
f.	Nature of Dye	Disperse
19. CARE LABEL MATERIAL SPECIFICATION		
a.	Material	Polyester with visible printing which remain satisfactory after washing test
b.	Shade	Nearest to ground fabric color

20. VELCRO TAPE MATERIAL SPECIFICATION		
a.	Material (1) Male (2) Female	Nylon Nylon
b.	Colour	Light grey Pantone # 15-4003 TCX for No. 4B Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0630 TCX for SSG (N)
21. VELCRO TAPE PERFORMANCE TESTING		
a.	1. Before sticking / unsticking 300 times at 300 g. 2. After sticking / unsticking 300 times at 300g	Satisfactory Satisfactory
b.	Peel Strength (lbs per in width)	1.5
c.	Shear strength (PSI)	10
22. BUTTONS (for shoulder straps and cuff)		
a.	Material	Plastic
b.	Color	Black Pantone # 15-4005 TCX
23. BUTTON PERFORMANCE TESTING		
a.	Color fastness to water	GS 4 or better
b.	Pull test at 90 N	No crack, chips or breakage No structural failure No center break out
c.	Impact resistance	No crack, chips or breakage
d.	Color fastness to heat (hot pressing)	GS 4
e.	Appearance after washing	No color transfer on fabric
24. BUTTON PLASTIC (4 HOLE) (For adjustment of Liner)		
a.	Material	Polyester
b.	Shade	Light grey Pantone # 15-4003 TCX for No. 4B Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0630 TCX for SSG (N)
c.	Size (Dia)	15 mm
d.	Specific Gravity	1.2
e.	Color fastness to water	GS 4 or better
f.	Pull test at 90 N	No crack, chips or breakage No structural failure No center break out
g.	Impact resistance	No crack, chips or breakage
h.	Color fastness to heat (hot pressing)	GS 4
i.	Appearance after washing	No color transfer on fabric

25. BARREL CORD LOCK PLASTIC (elastic cord and braided cord)				
a.	Material	Plastic (Acetal)		
b.	Density	1.62 gm/ cc $\pm$ 0.1 gm/ cc		
c.	Colour	Light grey Pantone # 15-4003 TCX for No. 4B Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0630 TCX for SSG (N)		
d.	Weight	2.3 g $\pm$ 0.1 g		
e.	Spring	Zinc plated		
26. EYELET BRASS 10 MM (hood and waist)				
a.	Material	Brass		
b.	Composition (Sage)			
	(1) Copper	63% $\pm$ 3		
	(2) Zinc	37% $\pm$ 3		
c.	Colour Finish	Matching Andque Dull finish Anodized		
d.	Gauge			
	(1) Eyelet	0.20 mm $\pm$ 0.02 mm		
	(2) Washer	0.20 mm $\pm$ 0.02 mm		
e.	Wt 5000			
	(1) Eyelet	1640 g $\pm$ 25 g		
	(2) Washer	1330 g $\pm$ 25 g		
f.	Dimension	10 mm		
	(1) Outer dia	5 mm		
	(2) Inner dia			
27. FLEECE (Lining of Pocket)				
a.	Material	Polyester		
b.	Wt/ sq mtr	225 $\pm$ 10 g		
c.	Colour	Light grey Pantone # 15-4003 TCX for No. 4 Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0630 TCX for SSG (N)		
d.	No of Course / 25.4 mm	32 $\pm$ 1		
e.	No of Wides/ 25.4 mm	25 $\pm$ 1		
f.	Shrinkage % age			
	(1) Length	1.0% (Max)		
	(2) Width	1.0% (Max)		
28. SEWING THREAD POLYESTER (For stitching/ Overlocking/ quilting)		QUILTING (TOP/ BOTTOM)		STITCHING/ OVER LOCKING
a.	Construction	2 Cord Each single		
b.	Material	Polyester	Polyester	Polyester
c.	Count of Yarn	2/126 Den $\pm$	2/12.5 Tex $\pm$	2/31.5 Tex $\pm$
		10 Den	$\pm$ 1 Tex	1 Tex
d.	B.S (24 BO)	1.8 Kg $\pm$	0.90 Kg $\pm$	2.20 Kg $\pm$

REVISED PW SPECIFICATION NO 05/2019

		100 g	100 g	200 g
a.	Shade	Light grey Pantone # 15-4003 TCX for No. 4B Green Pantone # 19-0315 TCX for Pak Marines Olive Green Pantone # 17-0620 TCX for SSG (N)		
c.	Balance of Twist	2/3		
g.	Direction of Twist	S/2		
h.	Washing test No. 3 Change in Shade Staining on Cotton	GS No.4 or better GS No.4 or better		
j.	Light Fastness	Class – IV or better		
k.	Nature of Dye	Disperse Dye		
l.	Hot Iron Test	Should not affect on shade/ strength		

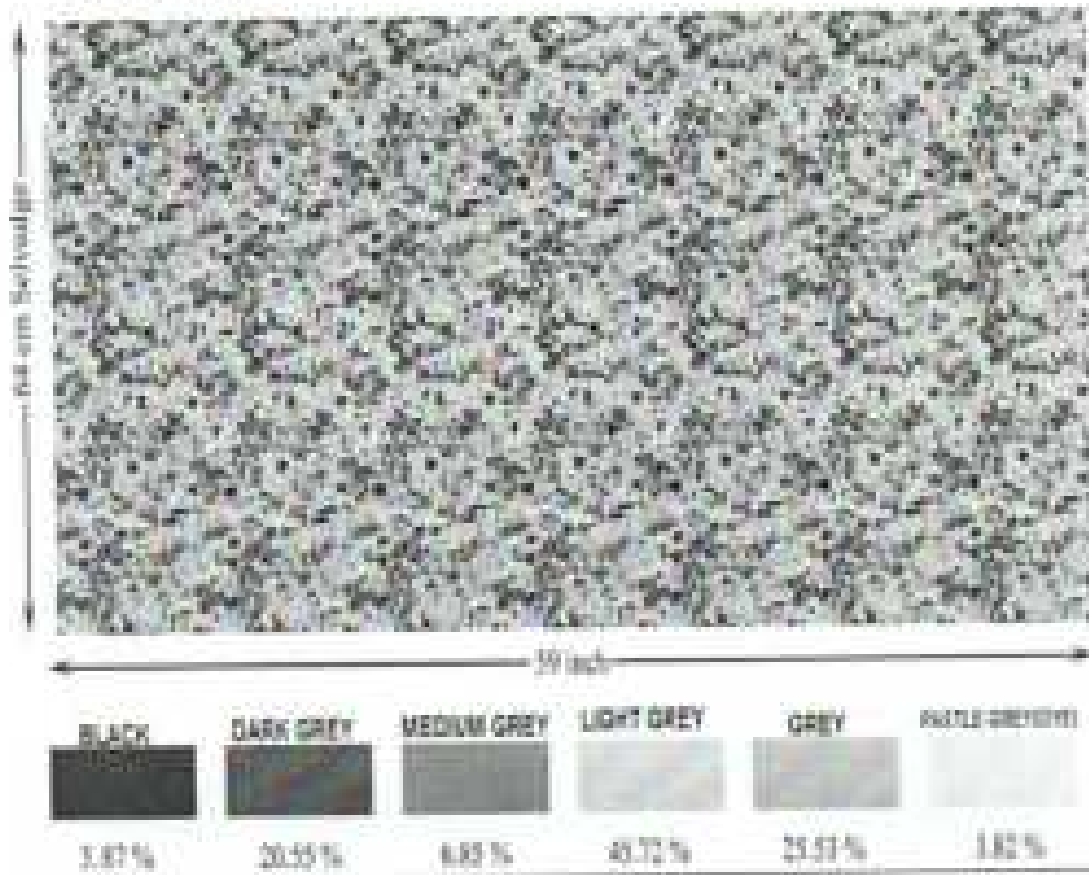
Appendices to Annex B to:

- i. Camouflage design pattern of Dress No. 4.
- ii. Camouflage design pattern of Pak Marines.
- iii. Camouflage design pattern of SSG (N).

**APPENDIX I TO ANNEX B TO
REVISED PN SPECIFICATION NO. 05/2018
PROMULGATION DATE 03 JUNE 2020**

CAMOUFLAGE DESIGN/ PATTERN OF DRESS NO. 4

49 Related Color

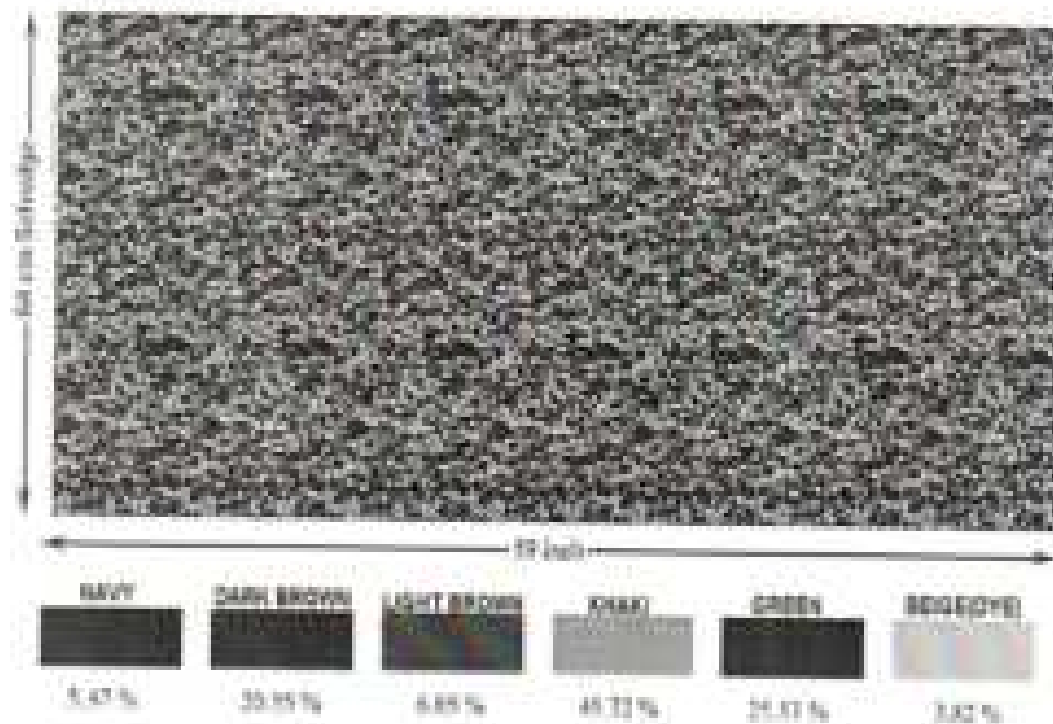


REVISED PN SPECIFICATION NO 05/2013

APPENDIX II TO ANNEX B TO
REVISED PN SPECIFICATION NO. 05/2013
PROMULGATION DATE 03 JUNE 2015

CAMOUFLAGE DESIGN PATTERN OF DRESS PAK MARINES

Marine Fielded Camo

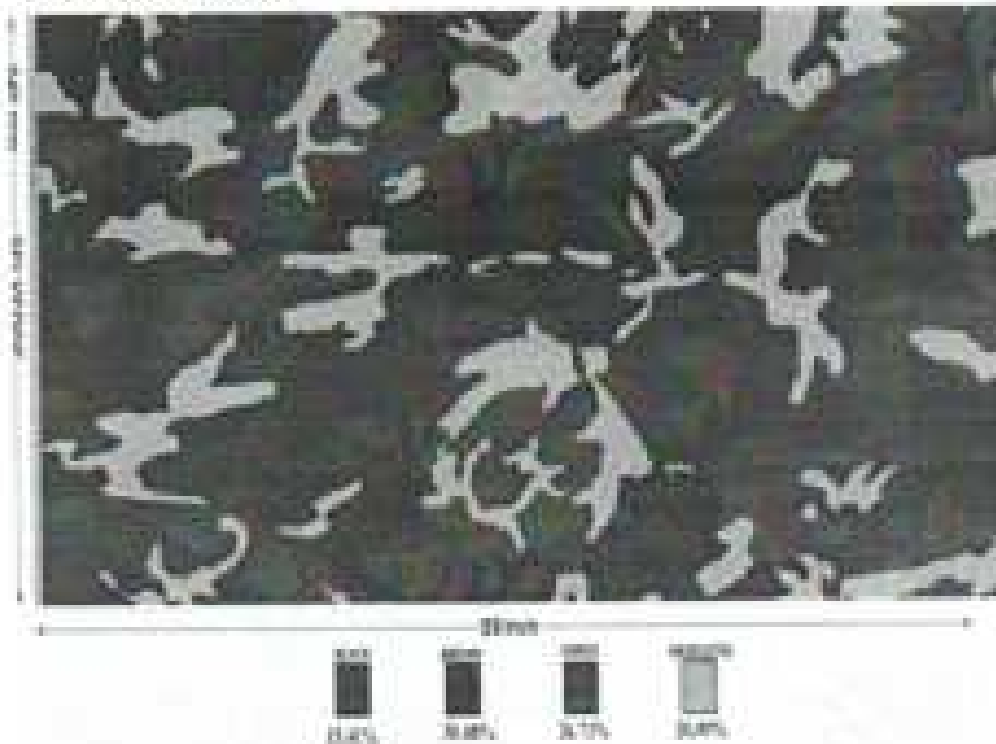


REVISED PN SPECIFICATION NO 05/2019

APPENDIX III TO ANNEX B TO
REVISED PN SPECIFICATION NO. 05/2019
PROMULGATION DATE 03 JUNE 2020

CAMOUFLAGE DESIGN/ PATTERN OF DRESS SS5 (M)

DESIGN: 888 COMMANDOS



REVISED FN SPECIFICATION NO 05/2018

ANNEX C TO
REVISED FN SPECIFICATION NO. 05/2018
PROMULGATION DATE 03 JUNE 2025

MEASUREMENTS AND DIMENSIONS

WEATHER PROOF JACKET										
S.No	DESCRIPTIONS	SIZE (in)								
	Sizes	S	M	L	X L	2XL	3XL	4XL	5XL	6XL
a	Length HPS	31	31.5	32	34	34	35	36	36	36
b	Shoulder	19	19.5	20	20.5	21	21.5	22	22.5	23
c	Sleeves length	23	23	24	26	26	26	26	26	26
d	Chest	23.5	24	24.5	25	25.5	26	26.5	27	27.5
e	Waist	Adjustable Taper Draw String								
f	Bottom	23.5	24	24.5	25	25.5	26	26.5	27	27.5
g	Arm hole	12	12	12.5	12.5	13	13	13.5	13.5	14
h	Collar with buckram	21	21	21.5	21.5	22	22	22.5	22.5	23
i	Cuff	7	7	7.5	7.5	7.5	7.5	7.5	7.5	7.5
j	Shoulder to Pocket distance	9	9	9	9	9	9	9	9	9
k	Shoulder Flap	6.5	6.5	6.75	6.75	7	7	7.25	7.25	7.5
INNER JACKET SPECIFICATION										
a	Length HPS	29	29	29	31	31	32	32	32	33
b	Shoulder	19	19.5	20	20.5	21	21.5	22	22.5	23
c	Sleeves without rib	20.5	20.5	21.5	23.5	23.5	24	24	24	24
d	Chest	23.5	24	24.5	25	25.5	26	26.5	27	27.5
e	Waist	Not Applicable								
f	Bottom	23.5	24	24.5	25	25.5	26	26.5	27	27.5
g	Arm hole	11.75	11.75	12	12	12.75	12.75	13	13	13.75
h	Neck width	7	7	7.5	7.5	8	8	8.5	8.5	9

Tolerance: $\pm 0.5"$

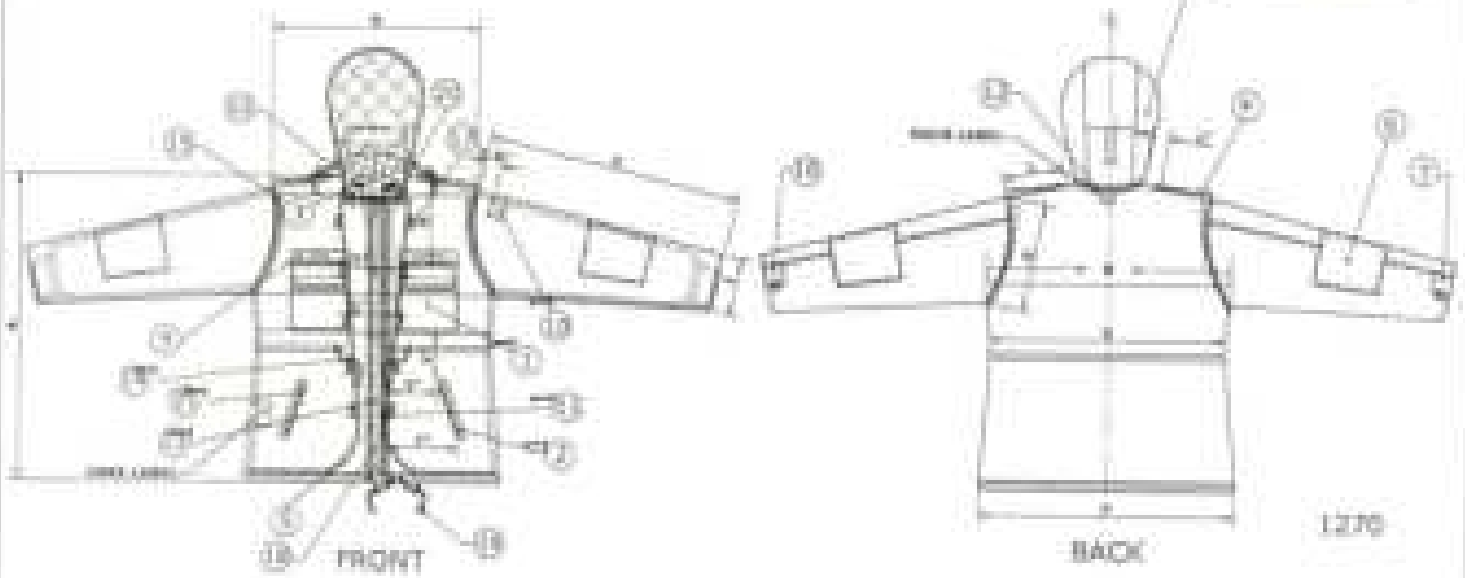
MEASUREMENTS AND DIMENSIONS OF ZIPPER FOR FRONT OPENING

S.No	DESCRIPTION	STD VALUES (mm)	TOLERANCES
a.	Chain Width	5.70	± 0.14
b.	Chain Thickness	2.58	± 0.08
c.	Element Head	2.08	± 0.08
d.	Element Pitch	3.48	± 0.03
e.	Thickness of Retainer Pin	2.65	$+0.05 -0.1$
f.	Thickness of Separable Pin	2.65	$+0.05 -0.1$
g.	Top Stop Thickness	2.58	± 0.08
h.	Total chain width	29.5	± 2.00
j.	Exposed tape width	12.0	± 1.00

MEASUREMENTS AND DIMENSIONS OF ZIPPER FOR HOOD

S.No	DESCRIPTIONS	STD VALUES(mm)	TOLERANCES
a.	Chain Width	6.48	$+0.15 -0.12$
b.	Chain Thickness	2.82	$+0.13 -0.10$
c.	Element Head	1.35	$+0.07 -0.08$
d.	Element Pitch	1.76	± 0.03
e.	Element length	4.05	± 0.06
f.	Element width	2.10	± 0.06
g.	Thickness of Retainer Pin	2.20	± 0.06
h.	Thickness of Separable Pin	2.20	± 0.06
j.	Top Stop Thickness	2.90	± 0.15
k.	Total chain width	32.0	± 2.00
m.	Exposed tape width	12.5	± 1.00

TECHNICAL DRAWINGS



ITEM				ITEM				ITEM			
1	Collar	1	1	1	Collar	1	1	1	Collar	1	1
2	Shoulder Straps	2	2	2	Shoulder Straps	2	2	2	Shoulder Straps	2	2
3	Chest Pockets	3	3	3	Chest Pockets	3	3	3	Chest Pockets	3	3
4	Waist Adjusters	4	4	4	Waist Adjusters	4	4	4	Waist Adjusters	4	4
5	Hem	5	5	5	Hem	5	5	5	Hem	5	5
6	Collar	6	6	6	Collar	6	6	6	Collar	6	6
7	Shoulder Straps	7	7	7	Shoulder Straps	7	7	7	Shoulder Straps	7	7
8	Chest Pockets	8	8	8	Chest Pockets	8	8	8	Chest Pockets	8	8
9	Waist Adjusters	9	9	9	Waist Adjusters	9	9	9	Waist Adjusters	9	9
10	Hem	10	10	10	Hem	10	10	10	Hem	10	10
11	Collar	11	11	11	Collar	11	11	11	Collar	11	11
12	Shoulder Straps	12	12	12	Shoulder Straps	12	12	12	Shoulder Straps	12	12
13	Chest Pockets	13	13	13	Chest Pockets	13	13	13	Chest Pockets	13	13
14	Waist Adjusters	14	14	14	Waist Adjusters	14	14	14	Waist Adjusters	14	14
15	Hem	15	15	15	Hem	15	15	15	Hem	15	15
16	Collar	16	16	16	Collar	16	16	16	Collar	16	16
17	Shoulder Straps	17	17	17	Shoulder Straps	17	17	17	Shoulder Straps	17	17
18	Chest Pockets	18	18	18	Chest Pockets	18	18	18	Chest Pockets	18	18
19	Waist Adjusters	19	19	19	Waist Adjusters	19	19	19	Waist Adjusters	19	19
20	Hem	20	20	20	Hem	20	20	20	Hem	20	20
21	Collar	21	21	21	Collar	21	21	21	Collar	21	21
22	Shoulder Straps	22	22	22	Shoulder Straps	22	22	22	Shoulder Straps	22	22
23	Chest Pockets	23	23	23	Chest Pockets	23	23	23	Chest Pockets	23	23
24	Waist Adjusters	24	24	24	Waist Adjusters	24	24	24	Waist Adjusters	24	24
25	Hem	25	25	25	Hem	25	25	25	Hem	25	25
26	Collar	26	26	26	Collar	26	26	26	Collar	26	26
27	Shoulder Straps	27	27	27	Shoulder Straps	27	27	27	Shoulder Straps	27	27
28	Chest Pockets	28	28	28	Chest Pockets	28	28	28	Chest Pockets	28	28
29	Waist Adjusters	29	29	29	Waist Adjusters	29	29	29	Waist Adjusters	29	29
30	Hem	30	30	30	Hem	30	30	30	Hem	30	30
31	Collar	31	31	31	Collar	31	31	31	Collar	31	31
32	Shoulder Straps	32	32	32	Shoulder Straps	32	32	32	Shoulder Straps	32	32
33	Chest Pockets	33	33	33	Chest Pockets	33	33	33	Chest Pockets	33	33
34	Waist Adjusters	34	34	34	Waist Adjusters	34	34	34	Waist Adjusters	34	34
35	Hem	35	35	35	Hem	35	35	35	Hem	35	35
36	Collar	36	36	36	Collar	36	36	36	Collar	36	36
37	Shoulder Straps	37	37	37	Shoulder Straps	37	37	37	Shoulder Straps	37	37
38	Chest Pockets	38	38	38	Chest Pockets	38	38	38	Chest Pockets	38	38
39	Waist Adjusters	39	39	39	Waist Adjusters	39	39	39	Waist Adjusters	39	39
40	Hem	40	40	40	Hem	40	40	40	Hem	40	40
41	Collar	41	41	41	Collar	41	41	41	Collar	41	41
42	Shoulder Straps	42	42	42	Shoulder Straps	42	42	42	Shoulder Straps	42	42
43	Chest Pockets	43	43	43	Chest Pockets	43	43	43	Chest Pockets	43	43
44	Waist Adjusters	44	44	44	Waist Adjusters	44	44	44	Waist Adjusters	44	44
45	Hem	45	45	45	Hem	45	45	45	Hem	45	45
46	Collar	46	46	46	Collar	46	46	46	Collar	46	46
47	Shoulder Straps	47	47	47	Shoulder Straps	47	47	47	Shoulder Straps	47	47
48	Chest Pockets	48	48	48	Chest Pockets	48	48	48	Chest Pockets	48	48
49	Waist Adjusters	49	49	49	Waist Adjusters	49	49	49	Waist Adjusters	49	49
50	Hem	50	50	50	Hem	50	50	50	Hem	50	50
51	Collar	51	51	51	Collar	51	51	51	Collar	51	51
52	Shoulder Straps	52	52	52	Shoulder Straps	52	52	52	Shoulder Straps	52	52
53	Chest Pockets	53	53	53	Chest Pockets	53	53	53	Chest Pockets	53	53
54	Waist Adjusters	54	54	54	Waist Adjusters	54	54	54	Waist Adjusters	54	54
55	Hem	55	55	55	Hem	55	55	55	Hem	55	55
56	Collar	56	56	56	Collar	56	56	56	Collar	56	56
57	Shoulder Straps	57	57	57	Shoulder Straps	57	57	57	Shoulder Straps	57	57
58	Chest Pockets	58	58	58	Chest Pockets	58	58	58	Chest Pockets	58	58
59	Waist Adjusters	59	59	59	Waist Adjusters	59	59	59	Waist Adjusters	59	59
60	Hem	60	60	60	Hem	60	60	60	Hem	60	60
61	Collar	61	61	61	Collar	61	61	61	Collar	61	61
62	Shoulder Straps	62	62	62	Shoulder Straps	62	62	62	Shoulder Straps	62	62
63	Chest Pockets	63	63	63	Chest Pockets	63	63	63	Chest Pockets	63	63
64	Waist Adjusters	64	64	64	Waist Adjusters	64	64	64	Waist Adjusters	64	64
65	Hem	65	65	65	Hem	65	65	65	Hem	65	65
66	Collar	66	66	66	Collar	66	66	66	Collar	66	66
67	Shoulder Straps	67	67	67	Shoulder Straps	67	67	67	Shoulder Straps	67	67
68	Chest Pockets	68	68	68	Chest Pockets	68	68	68	Chest Pockets	68	68
69	Waist Adjusters	69	69	69	Waist Adjusters	69	69	69	Waist Adjusters	69	69
70	Hem	70	70	70	Hem	70	70	70	Hem	70	70
71	Collar	71	71	71	Collar	71	71	71	Collar	71	71
72	Shoulder Straps	72	72	72	Shoulder Straps	72	72	72	Shoulder Straps	72	72
73	Chest Pockets	73	73	73	Chest Pockets	73	73	73	Chest Pockets	73	73
74	Waist Adjusters	74	74	74	Waist Adjusters	74	74	74	Waist Adjusters	74	74
75	Hem	75	75	75	Hem	75	75	75	Hem	75	75
76	Collar	76	76	76	Collar	76	76	76	Collar	76	76
77	Shoulder Straps	77	77	77	Shoulder Straps	77	77	77	Shoulder Straps	77	77
78	Chest Pockets	78	78	78	Chest Pockets	78	78	78	Chest Pockets	78	78
79	Waist Adjusters	79	79	79	Waist Adjusters	79	79	79	Waist Adjusters	79	79
80	Hem	80	80	80	Hem	80	80	80	Hem	80	80
81	Collar	81	81	81	Collar	81	81	81	Collar	81	81
82	Shoulder Straps	82	82	82	Shoulder Straps	82	82	82	Shoulder Straps	82	82
83	Chest Pockets	83	83	83	Chest Pockets	83	83	83	Chest Pockets	83	83
84	Waist Adjusters	84	84	84	Waist Adjusters	84	84	84	Waist Adjusters	84	84
85	Hem	85	85	85	Hem	85	85	85	Hem	85	85
86	Collar	86	86	86	Collar	86	86	86	Collar	86	86
87	Shoulder Straps	87	87	87	Shoulder Straps	87	87	87	Shoulder Straps	87	87
88	Chest Pockets	88	88	88	Chest Pockets	88	88	88	Chest Pockets	88	88
89	Waist Adjusters	89	89	89	Waist Adjusters	89	89	89	Waist Adjusters	89	89
90	Hem	90	90	90	Hem	90	90	90	Hem	90	90
91	Collar	91	91	91	Collar	91	91	91	Collar	91	91
92	Shoulder Straps	92	92	92	Shoulder Straps	92	92	92	Shoulder Straps	92	92
93	Chest Pockets	93	93	93	Chest Pockets	93	93	93	Chest Pockets	93	93
94	Waist Adjusters	94	94	94	Waist Adjusters	94	94	94	Waist Adjusters	94	94
95	Hem	95	95	95	Hem	95	95	95	Hem	95	95
96	Collar	96	96	96	Collar	96	96	96	Collar	96	96
97	Shoulder Straps	97	97	97	Shoulder Straps	97	97	97	Shoulder Straps	97	97
98	Chest Pockets	98	98	98	Chest Pockets	98	98	98	Chest Pockets	98	98
99	Waist Adjusters	99	99	99	Waist Adjusters	99	99	99	Waist Adjusters	99	99
100	Hem	100	100	100	Hem	100	100	100	Hem	100	100

THE WIND WILLIAM SHAKESPEARE (SMALL PART)		
CHARACTER NAME AGE SEX RELIGION EDUCATION PROFESSION RESIDENCE DATE	CHARACTER NAME AGE SEX RELIGION EDUCATION PROFESSION RESIDENCE DATE	CHARACTER NAME AGE SEX RELIGION EDUCATION PROFESSION RESIDENCE DATE

COMMON DEFECTS IN FABRIC (ASTM D-3990)

SL.No	Defects	Definition
<u>FABRIC</u>		
a.	Abrasion Mark (bruise, Chafe Mark or rub)	An area of fabric damaged by friction. Damaged due to a brated or uneven surface in a machine.
b.	Baggy or wavy cloth	Cloth that will not lie flat on a Cutting Table Tight or loose yarn either in warp or filling (weft).
c.	Barre Mark	An unintentional, repetitive visual pattern of continuous bars and stripes usually parallel to the filling of woven fabric. Barre can be caused by physical, optical, or dye differences in the yarns, geometric differences in the fabric structure, or by any combination of these differences.
d.	Blotch	An off colored area of any shape caused by grease or Oil (Syn. oil spot). Cause due to leakage/ slippage from machine.
e.	Bow	A fabric condition resulting when filling yarns are displaced from a line perpendicular to the selvages and form one or more arcs across the width of fabric.
f.	Broken filament	In multifilament yarn, breaks in one or more filaments.
g.	Clip mark	An open place causing a streak of variable length approximately parallel of the length of width.
h.	Decanting Mark	A crease marks or impression extending across the cloth near the beginning or end of a piece due to the thickness of the fabric leader seam.
j.	Double Pick	In woven fabrics, two picks wrongly place in the same place.
k.	Draw Back	A weave distortion characterized by light and slack places in the same warp yarn.
l.	End out	A void caused by a missing warp yarn.
m.	Float	In woven fabrics, the portion of a warp or filling yarn that extends unbound over two or more warp or filling yarns.
n.	Filling Band	In woven fabrics, visual defect across the width due to a change occurring in the yarn for a large number of picks.
p.	Frosting	A change in color in a limited area of fabric cause by abrasive wear.
q.	Hole	In fabric, imperfection, wear one or more yarn or sufficiently damaged to create an aperture.
r.	Fuzzy	Characterized by a hair appearance due to protruding broken fibers or filaments.
s.	Let-off Mark	In woven fabrics, a corrugated defect pattern distributed across the fabric width.
t.	Loom fly	Waste fibers create during weaving that are woven into a fabric.

u.	Loop Salvage	An improperly woven salvage of uneven width or a salvage containing irregular filling loops extending beyond the outside edges.
v.	Messiness	Surface distortion in a fabric characterized by objectionable unevenness due to many minor deformations.
w.	Pin Hole	In fabric, a very small hole, approximately the size of the a cross section of the pin.
x.	Pin Mark	A series of holes near the edge parallel with the lengthwise direction of a fabric caused by the holding device on the pin tender frame.
y.	Reed Mark	In woven fabric, a crease between groups of ends, either continuous or at intervals.
z.	Scalloped Salvage	An abrupt, narrow indentation in the salvage.
aa.	Salvage Mark	In finished cloth, a lengthwise crease mark along the salvage caused by an edge being folded or doubled.
ab.	Shiner	A streak, usually short, caused of a lustrous section of filament yarn.
ac.	Smash	In woven fabrics, relatively large hole characterized by broken warp ends and floating picks.
ad.	Skew	A fabric condition resulting when filling yarns are angularly displace from a line perpendicular to the edge or side of the fabric.
ae.	Snag	In fabrics, a yarn or part of a yarn pulled or plucked from the surface.
af.	Thin Place	In fabric, appearance characterized by a small area of loosely placed yarn or by a congregation of thin yarn as compared to the adjacent construction.
ag.	Tight Salvage	In woven fabrics, salvage yarn shorter than warp yarn in the body of the fabric.
ah.	Streak	An extended unintentionally strips narrow width, often a single yarn.
ai.	Tram Rage	In woven crepes, a puckered area in which a filling yarn has been running in the same direction for several picks instead of alternating S and Z twist.
aj.	Temple Mark	In woven fabrics, small holes or distortions adjacent to the salvage.
al.	Tender Mark	A visible deformation on the side edge or body of a fabric due to pressure for clips or pins.

**ANNEX F TO
REVISED PN SPECIFICATION NO.05/2019
PROMULGATION DATE 03 JUNE 2025**

GUIDE LINE FOR FABRIC INSPECTION

1. **Fabric Inspection.** Fabric inspection is usually done on fabric inspection machines. These machines are designed so that rolls of fabric can be mounted behind the inspection table under adequate light and rerolled as they leave the table. Defects in a fabric can be seen readily with these machines, as the inspector has a very good view of the fabric and the fabric does not need to be reversed to detect defects. There are various fabric inspection systems:

- a. 4-Point system (Usually recommended by International firm)
- b. 10-Point system

2. **4-Point System.** The 4-point system, also called the American Apparel Manufacturers Association (AAMA) point-grading system for determining fabric quality, is widely used by producers/ manufacturers of apparel fabrics and by the Department of Defense in the United States and is endorsed by the AAMA.

a. Criteria of giving penalty points based on defects and defect length. Penalty points are assessed to a piece of fabric according to the length of defects measured in inches.

b. Each roll in the sample shall be examined on face side only. When the total yardage in the roll does not exceed 120±0.5 meters (±130± 0.5 yards). Entire meters/ yardage in the roll shall be examined. When the total meters/ yardage exceeds 120 meters ± 0.5 M (130± 0.5 yards) only determined meters shall be examined. All the defects are define in ASTM D-3990, which are clearly noticeable at normal inspection distance 0.91 M (33 feet) shall be scored against demerit points. Clearly visible knots shall be marked as demerit points. No linear yard (increments of 01 yards (0.91m) on the measuring device of inspection machines) from any one roll with in the sample shall be penalized more than 04 points. The sample size shall be 20 rolls selected from offered quantity. The lot shall be categorized, if the points per 100 square yards (83.6m²), if the total yardage examined exceeds 25 points. The lot shall be categorized if the points per 100 square yards (83.6 m²) of two or more individual's rolls exceeds 35 points. If one roll exceeds the point level per 100 square yards (83.6m²) a second sample of 20 rolls shall be examined only for individual roll quality examination. The lot shall be categorized if one or more rolls in the second sample exceeds 35 points per 100 square yards (83.6m²). Point computation for lot quality and individual roll quality shall be as follows:

<u>Point Values For Fabric Defects (4-Point System) Criteria Of Giving Penalty</u>	
Length of fabric to be Inspected	Points Allotted
(1) Length of defect in fabric, either length or width	

(a)	Upto 03 inches (7.6 cm) or less in any direction	1
(b)	Over 03 inches (7.6cm) up to 05 inches (12.7cm)	2
(c)	Over 05 inches (12.7cm) up to 09 inches (22.9cm)	3
(d)	Over 9 inches (22.9 cm)	4
(2)	Holes and openings (largest dimension)	
(a)	01 inch (2.54cm) or less	2
(b)	Over 1 in	4
(3)	Baggy, ratty, wavy cloth	4
(4)	Width less than specified	4
(5)	Characteristic of finish hand and shade not equal to standard sample	4
(6)	Non uniformity of shade (mottled, streaky or cloudy)	4
(7)	Holes, cuts, tears, open places	4

c. **Calculation:** Total defect points per 100 yd² (83.6m²) are calculated, and normally those fabric rolls containing more than 40points/100yd² (83.6m²) are considered "second." **e.g.** A fabric roll 120 yard long and 48 inch wide contains, the following defects:

2 defects up to 3 inch	2 x 1= 2 points
5 defects over 3 inch, but less than 6 in	5 x 2= 10 points
1 defect over 6 inch, but less than 9in	1 x 3= 3 points
1 defect over 9 inch	1 x 4= 4 points
Total defect points	19

Therefore,

$$\text{Points/100yd}^2 \text{ (83.6m}^2\text{)} =$$

$$\frac{\text{Total points scored in the roll} \times 3600}{\text{Contracted width of fabric (inches or meters)} \times \text{Total yards inspected}}$$

$$= 19 \times 3600 / 48 \times 120$$

$$= 11.9 \text{ defect points/ } 100 \text{ yd}^2$$

So if the acceptance criteria are 40 points/100yd², then this roll is acceptable.

3. Examination of Length

a. **Individual rolls.** During the examination, each roll in the sample shall be examined for length. Any length found to be less than the minimum specified or more than 2 yards (1.82m) less than the length marked on label shall be considered a defect with respect to length. The lot shall be categorized if two or more rolls in the sample are defective with respect to length.

b. **Total Yardage in sample** The lot shall be categorized, if the total of the actual lengths of rolls in the sample is less than the total of the lengths marked on the tickets. The rolls examined shall be those selected for the examination of individual rolls.

c. **Examination for Shade Variation** During the examination, each roll in the sample shall be examined for shade variation. Any roll in the sample exhibiting uneven shade, shade variation side to side, side to center, or end to end, shall be cause for rejection of the entire lot represented by the sample.

d. **Examination for Shade match and finish, individual rolls** Each roll in the lot shall be examined visually for shade match and finish. A roll shall be unacceptable if it fails to meet the requirements for shade match or finish. The sample unit shall be a 4 inch by 20 inch (10.2 by 50.8cm) swatch of the cloth. A sample unit shall be drawn from each roll in the lot.

e. **Examination for face identification and non-conformance with the Textile fiber products Identification Act** During the examination, each roll in the sample shall be examined for these defects. The lot shall be categorized if two or more rolls in the sample have face identification missing from either or both ends, or are not labeled or ticketed.

ANNEX G TO
REVISED PN SPECIFICATION NO.05/2019
PROMULGATION DATE 03 JUNE 2025

ACCEPTABLE QUALITY LEVELS (AQLs)

1. Acceptable Quality Level (AQL) is maximum average defective items in a lot or limit / percentage of defective items in product /offered store. It is expressed in a percentage. Number of average defective items is determined by following formula:

$$\text{Average defective item} = \frac{\text{No.of defective item found during inspection}}{\text{Total nosd item to be inspected}} \times 100$$

2. AQL process: it is used for inspection of finished product / garment by the QC professionals. AQL standard is depend on the quality of the product to be inspected, random sampling, and experience of inspector. Normally lower figure AQL standard e.g. 01% is used for high quality product/ narrow width fabric and high figure AQL standard e.g. 10% for low quality product/ garment. AQL standard 2.5% means that allowable limit of defective item is 2.5 % of total items inspected. Usually AQL 2.5% is used for major defects, AQL 4.0 % is used for minor defects and AQL 6.5% is used for slight defects, however zero acceptance for critical defects Allowable limit of Major defects are less than minor defects and it depends upon nature of item /offered store. It can be less than 01% or greater than 10%. Following AQL table is used to determine lot size/ offered store quantity, least No. of sample to be inspected, AQL %, and acceptance & rejection points:

<u>SINGLE SAMPLING PLAN FOR NORMAL INSPECTION OR AS PER ORDER OF INSPECTING OFFICER.</u>											
Lot size	Least No. of sample to be inspected	Allowable Quality levels(AQL) %									
		- Acceptable/ Allowable defective sample (Ac) - Rejected /Exceed allowable limit of defective item (Re)									
		1.5%		2.5%		04%		6.5%		10%	
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re
261-500	20-40	1-3	2-4	1-5	2-6	2-7	3-8	3-10	4-11	5-14	6-15
501-1200	32-125	1-5	2-6	2-7	3-8	3-10	4-11	5-14	6-15	7-21	8-22
1201-3200	50-200	2-7	3-8	3-10	4-11	5-14	6-15	7-21	8-22	10-21	11-22
3201-10000	80-515	3-10	4-11	5-14	6-15	7-21	8-22	10-21	11-22	14-21	15-22

REVISED PN SPECIFICATION NO.05/2019

10001-35000	125-500	5-14	6-16	7-21	8-22	10-21	11-22	14-21	15-22	21	22
35001-150000	300-600	7-21	8-22	10-21	11-22	14-21	15-22	21	22	21	22
150001-500000	315-1250	10-21	11-22	14-21	15-22	21	22	21	22	21	22
500001-above	500-3000	14-21	15-22	21	22	21	22	21	22	21	22

3. If the inspector have time constrain then AQL is beneficial/ helpful in inspection of whole lot/ offered store. It save time, cost and give effective/ statistical result of product /offered store e.g. If inspector needs 5 minutes to check the item , the quantity to be inspected is 2,500 items then it took 208 hours to check the whole consignment/ offered store it means 26 days approx. for one store. Calculation is as follows:

$$\frac{5 \text{ min} \times 1 \text{ hr}}{1 \text{ item} \times 60 \text{ min}} \times 2,500 \text{ items} = 208.33 \text{ hrs} \approx 26 \text{ days}$$

After implementing AQL standard so the sample taken from the lot/ offered store is 200 items/ sample:

$$\frac{5 \text{ min} \times 1 \text{ hr}}{1 \text{ item} \times 60 \text{ min}} \times 200 \text{ items} = 16.66 \text{ hrs} \approx 02 \text{ days}$$

4. Quality parameters/ AQL limits may be defined by inspecting Authority (if deemed appropriate) and communicate to the manufacturer, so the manufacturer set their quality levels (AQL limits) accordingly for their internal audit. Therefore, good quality product is ready for inspection.

FEEDBACK FORM

Unit Name: _____

Item Description#: _____

Issue/Problem occurred: _____

PN SPEC #: _____

Possibility to resolve issue: _____

Any Other Remarks: _____

Note

- It's good to give feedback for improvement in any clothing item.
- Recurring problem will also be intimated through this form.

Name Stamp: _____

COUNTERSIGNED By CO/Admin Authority
Name Stamp _____

REVISED PN SPECIFICATION NO 03/2022



REVISED PN SPECIFICATION 03/2022
PROMULGATION DATE 03 JUNE 2025

WEATHER PROOF JACKET-KHAKI **(FOR PNP, FIRE BRIGADE AND** **BOAT POOL PERSONNEL)**

This document is the property of the Pakistan Navy and its use is authorized for personnel in the course of their inspection, Quality Assurance, Stowage, and issuance and on need to know basis. The unofficial retention or destruction of this document is an offence.

Prepared by:
Indigenous Technical Development Wing (ITD-WING)
Naval Research & Development Institute (NRDI)
at NSSC Area, West Wharf Road,
KARACHI

Tel: 021-48608411-8258
Fax: 021-8921475
Email: itd@navy.gov.pk
itd@navy.gov.pk

PROMULGATION ORDER

1. This specification is hereby approved and promulgated for information, guidance and compliance by all concerned.
2. Details contained in the specification are to be studied and implemented with due regard to interest of the Service.
3. The PN Specifications contained herein revision the PN Specifications 03/2022 dated 19 Apr 22 promulgated earlier.

SUGGESTIONS FOR AMENDMENT

1. The specification has been prepared to bring the test methods and procedures in line with up-to-date PN requirements and facilities held in Pakistan. CNS may request to amend any test requirements/ test procedure in light of the experience emanating from its inspection history, through the feedback form placed at Annex G. However, such an alteration will be effective when the amendment is promulgated by this Directorate, and will be effective on the contracts which materialize after the promulgation date of respective amendment.

CONTENTS	
<u>Description</u>	<u>PAGE NO</u>
Promulgation Order	3
Suggestions for Amendment	4
Table of content	5
Record of Changes/ Amendments	iv
<u>Details</u>	
Designation	1
Usage	1
Introduction	1
Scope	1
Related Documents	1
Definitions & Abbreviations	2
Technical Details	2
Schedule of Measurement	2
Technical Drawings	2
Manufacturing guide lines	3
Quality of Workmanship and finishing	3
Testing	3
Batch/ Lot Size and No of Sample	5
Tender Sample	5
Advance Sample or Pre-Production Sample	5
Inspection	7
Special Instruction	8
Packing Details	8
Identification Label/ Main Label	8
Packing List	9
Marking of Stores	9
Delivery	10
<u>Annexes</u>	
A Definitions & Abbreviations	11
B Technical Details of Weather Proof Jacket Khaki	12
C Measurements and Dimensions of Weather Proof Jackets	19
D Technical Drawing of Weather Proof Jackets	21
E Guidelines for Inspection – General Defects	23
F Acceptable Quality Levels (AQLs)	25
G Feedback Form	27
Blank page	28

REVISION PN SPECIFICATION NO 05/2022

RECORD OF CHANGES/AMENDMENT

[illegible]

**REVISED PN SPECIFICATION 03/2022
(WEATHER PROOF JACKET KHAKI)**

0101. DESIGNATION

1. Weather Proof Jacket (Khaki) for PNP, PN Boat Pool and Fire Brigade Personnel.

0102. USAGE

1. These jackets will be worn by PNP, PN Boat Pool and Fire Brigade personnel during cold weather.

0103. INTRODUCTION

1. This specification is prepared by Directorate of Indigenous Technical Development, Karachi, to provide necessary guidance to the potential manufacturers/ suppliers of the items mentioned herein. This specification is to be used for testing and deciding upon acceptance, or otherwise, of the items mentioned. Any alteration or addition in this specification can be suggested to ITD wing (NRDI). However, it cannot be implemented without prior approval from NS D/o (NHQ). This specification supersedes and replaces Annex B (only for PNP Cloth and relevant parameters) of PN Specification No.05/2019 promulgated on 17 Jul 19 and also revised 03/2022 promulgated on 19 April 2022. All other specifications/ technical details promulgated earlier in relation to the items mentioned herein.

2. This specification consists 32 pages, including cover page and 07 Annexes.

0104. SCOPE

1. This specification covers the requirements of stitching of Weather proof Jacket from approved Khaki Cloth and Manufacturing, Inspection, Storage & Packaging details of stitched Weather proof Jacket of PNP, Fire Brigade & Boat Pool Personnel. This specification lays down the standards to which the store shown under designation above should conform to. It defines and lays down the quality, standards and details of materials, manufacturing, workmanship and finish. It also lays down the details of testing, inspection (acceptance & rejection), marking, packing and delivery, etc. of stitched Jacket khaki.

2. The supplier/ manufacturer shall comply in every respect with the terms of this specification and ensure that the stores conform to it, in all respects.

0105. RELATED DOCUMENTS

1. The latest standards documents that have been referred to in this specification are:

a.	Khaki Fabric	PN Specifications 11/2021 Dated 31 Aug 21 (Khaki Cloth for Green Khaki)
b.	AATCC-20A	Analysis of 5bar
c.	AATCC 133	Color fastness to heat
d.	ASTM B 117	Metal resistance to corrosion

e.	ASTM D 3775 opt D	Standard test methods for mass per unit area (weight) fabric
f.	ASTM D 2051	Strength of zippers
g.	ASTM D 2052	Operability of Zippers
h.	ASTM D 4032	Standard test methods for grab breaking load and elongation of geotextiles
j.	ASTM D 5034	Tearing strength of fabric
k.	ASTM D 5169	Shear strength for hook and loops
l.	ASTM D 5170	Peel strength for hook and loops
m.	ASTM E 154	Metal analysis for material composition
n.	ASTM PS 79	Determination of holding strength of stud buttons
p.	ASTM D 4848	Determination of the force required to disengage buttons
q.	BS EN-1006	Color fastness to light
r.	BS EN ISO-29077	Dimensional Change in washing and drying
s.	BS EN ISO-6330 (4N)	Domestic washing and drying procedures for textile testing
t.	ISO-105-C10 (C3)	Color fastness to washing
u.	ISO-105-E01	Color fastness to Water
v.	ISO-105-E04	Color fastness to Perspiration
w.	ISO-2589	Determination of thickness
x.	ISO 3801	Weight per Sq. mtr
y.	ISO-7211/1	Determination of Weave pattern
z.	ISO-7211/2	Threads per inch
aa.	ISO-7211/5	Determination of linear density of yarn removed from fabric
ab.	ISO-13934-01	Tensile properties of fabrics Determination of maximum force and elongation at maximum force using the strip method
ac.	Mil spec A-A-55128B	Fasteners tapes Hook loop synthetic

0106. DEFINITIONS & ABBREVIATIONS

1. Definitions for the terms used in this standard are given at Annex A of this specification.

0107. TECHNICAL DETAILS

1. The Technical Details of Weather Proof Jacket - Khaki are mentioned at Annex B of this specification.

0108. SCHEDULE OF MEASUREMENT

1. All measurement schedule of stitched Weather proof Jacket are given at Annex C.

0109. TECHNICAL DRAWINGS

1. Technical drawing of stitched Weather proof Jacket is given at Annex D.

0110: MANUFACTURING GUIDE LINES

1. Weather proof Jacket is to be manufactured with Khaki Cloth L.A.W. PN Specifications 11/2021 Dated 31 Aug 21 (Khaki Cloth for Dress Khaki).
2. Weather proof Jacket is to be manufactured as per measurement schedule and drawing at Annex C & D, respectively.
3. Jacket shall be manufactured with pre-shrunk fabric.
4. The pocket flaps and shoulder straps shall be made of same fabric (Khaki fabric of jacket) with good quality of fused buckram in it.
5. The shoulder straps shall be attached/ stitched at crown of sleeve such that center of the straps shall be secured with buttons on the other end near neck.
6. Shoulder straps button shall be stitched at 02 inches distance from the zipper of Hoody.
7. Size (length) of shoulder strap may vary according to the size of the jacket.
8. Buttonholes are to have at least 22 stitches per 2 cm and to be bar-tacked or taper barred.
9. All jackets are to be made to a high standards and sound tailoring production techniques are to be applied in their construction.
10. The sewing thread should match with the main fabric.
11. Unsaturated Polyester Buttons used at sleeves and detachable wadding (front opening) should be Mat finished and Khaki in color (match with base fabric) having 4 holes with 18 mm dia (30 lines) with 4 mm thickness.
12. Buttons for securing of shoulder straps should be 18mm in dia having 4mm thickness with 4 holes.
13. OS stud buttons shall be used at front opening having distance of 3.25 - 3.75 inches. Zipper is also used at front opening/ closing.
14. Distance between first two buttons is 3.25 inches.
15. Reinforcement stitching (less No of stitch per inch) will be applied at collar end.
16. All joints of jacket will be secured through single needle stitching and over locked.
17. Collar bottom and hoody shall be attached through zipper.
18. Elbow patch of base fabric shall be stitched on sleeves as per drawing at Annex B.
19. Fixed wadding and lining should be stitched on inner side of the hoody.

20. Cord draw string shall be passed through metallic eyelets from one end to the other at front of hoody for adjustment.
21. Ends of braided cord and elastic cords shall be properly fused to avoid fraying.
22. Eyelets shall be clinched properly and does not have any protruding edges.
23. The machine stitches shall be of even tension and all loose ends shall be trimmed/ fastened off.
24. Number of stitches for jacket shall be 7/8 per 2.5 cm.
25. Quilting shall be made with 3.5 x 3.5 ($\pm$ 0.5) cm square.
26. Velcro tape (male/ female) of 01 inch is stitched at the back of the hoody as per drawing at Annex D.
27. 01 inch velcro for name tally and Pak Navy tally shall be stitched in line with pocket flap at the distance of 07 inch from center of shoulder seam.
28. Twill tape of 01 inch (left side only) at collar alongwith velcro shall be used for adjustment.
29. Detachable wadding shall be used on inner side of jacket with 10 x button securing. Distance between buttons should be 5.5 $\pm$ 0.5 inch.
30. Sleeves of inner wadding shall be attached with zipper at arm hole.
31. 2.75 $\pm$ 0.25 inch knitted cuff, black in color shall be used on sleeves of the wadding.
32. The collar is to be free from distortion.
33. Two spare buttons of each type for jacket be provided/ stitched on the jacket at suitable place.
34. Zippers is made of polymeric coil chain of YKK or equal brand.
35. Care label/ main label instruction shall be attached with jacket at inner side of collar.
36. Strict compliance of Quality Control and Quality Assurance parameters will be implemented through Internal/ External audit teams, before commencement of PN inspection.
37. Velcro 'PAK NAVY' soft tally as per PN Specification No. 03/15 promulgated vide reference PN/MD/TC/03/182399 dated 03 May 16 shall be attached above left chest pocket of jacket.

REVISED PN SPECIFICATION NO 03/2023

35. Velora 'PAKISTAN FLAG PATCH' as per PN Specification No.03/2014 promulgated vide reference PDQ400/10/PAK FLAG/14/1955 DATED 04 Jul 14 will be attached as per drawing at Annex D of this specification.

36. Velora Soft Name Tally as per PN Specification No. 04/16 promulgated vide reference PDQ400/10/Name Tally Camouflage/14/2589 dated 30 Oct 14 will be attached as per drawing at Annex D of this specification.

40. Buckram is used in Main Zip cover, Pocket Flaps and Collar of Jacket.

Note: Dyeing of the fabric should be done with the dyes having high fastness properties. Good quality of dyes from good manufacturer CIBA, Clariant, SDC or equivalent are to be used for dyeing of fabric.

0111. QUALITY OF WORKMANSHIP AND FINISHING

1. Workmanship and finish of the jacket shall be equal to the reference/ approved sampler/ sealed pattern. It shall be the best of its class and to entire satisfaction of the INS.

2. The stitched Jacket khaki shall confirm the parameters define at Annex B of this specification.

3. All properties and qualities which may not be defined in this specification i.e. feel/ finish etc. should be as per reference/ sealed/ approved sample. Reference/ sealed/ approved sample is to be obtained from DCLSI/ PNCSD and held with DCLSI/ PNCSD/ CINS, for future reference/ inspection/ stock sample etc.

0112. TESTING

1. The material shall be subjected to tests laid down at Annex B of this specification and related documents. Accessories used for manufacturing of stitched Jacket khaki will be required to complete all the tests mentioned at Annex B of this specification. The material may also be subjected to such tests which are deemed necessary by the Inspection Authority in order to determine their suitability. Inspecting authority reserves the right to get any B/R samples tested from any reputable Laboratory other than PN. However, any test considered important by Inspecting Authority other than Annex B, e.g. seam strength, zipper strength, buttons strength, etc. or the test laid down in Annex B may also be conducted in order to check its suitability/ quality. Firm is liable to pay all the testing charges.

0113. BATCH/ LOT SIZE AND NO OF SAMPLE

1. No. of samples drawn from bulk quantity/ offered store for inspection and testing are as per instruction of Inspecting Officer or according to following table for the inspection/ testing:

Lot Size	No. Sample
300 & 500	05
601 & 2000	10
22001 and over	15

0114: TENDER SAMPLE

1. Tender sample is to be approved by TSR Committee.
2. For each tender 10 samples of Jacket shall be supplied by the manufacturer at the time of tendering along with samples of materials and Quality Assurance Report (test report) from any accredited laboratory.

0115: ADVANCE SAMPLE OR PRE-PRODUCTION SAMPLE

1. Advance sample or pre-production sample, when required, shall be submitted in accordance with terms of the contract for inspection and testing as per Annex B and C. The minimum quantities required are 05 x samples along with accessories used in manufacturing of Jacket as mentioned below.
2. Whenever Tender, Advance or pre-production sample is not required, the suppliers/ manufacturer are advised in their own interest to submit to the Inspecting Officers or representative an initial delivery of 01 % of the contract or ten pair along with samples of accessories/ materials for inspection and testing.
3. The approval of Tender, Advance or pre-production sample, authorizes the commencement of bulk production but does not relieve the suppliers/ manufacturers from compliance with all the provisions of this specification.
4. One approved sample shall be properly sealed and returned to the firm for guidance; rest of the approved sample shall be retained for future use in bulk inspection (if deemed necessary).
5. The Pre-production sample shall be manufactured by the manufacturer with the same facilities which will be used for manufacturing of the bulk items.
6. Firm shall provide advance sample along with quality verification reports from an accredited laboratory, whenever asked/ required by inspecting authority to ensure compliance of quality assurance parameters during production/ final internal inspection.

a.	Base Cloth	02 x Mtr
b.	Lining Cloth	02 x Mtr
c.	Velcro Tape (Each Type)	02 x Mtr
d.	Braided cord (Each Type)	05 x Mtr
e.	Sewing Thread (Each Type)	01 Tube
f.	Buttons (Each Type)	¼ Dozen
g.	Barrel cord Plastic	05 x Nos
h.	Zipper (Each Type)	02 x Nos
j.	Stud Buttons	¼ Dozen
k.	Eyelet	¼ Dozen
l.	Fleece for pocket Lining	02 x Mtr
m.	Fabric for detachable lining	02 x Mtr
n.	Fabric Piping for Detachable Lining	02 x Mtr
p.	Knitted cuff	0.5 x Mtr

REVISED PN SPECIFICATION NO 03/2023

4.	Polyester Wadding	01 x Mr
1.	Fussing/ buckram	01 mtr

0118. **INSPECTION**

1. **Bulk Representative Sample** B/R random sampling will be carried out as per rules in vogue.

2. **Bulk Inspection** Bulk inspection will be carried out after satisfactory completion of Visual Examination and Testing of B/R Sample.

3. **Inspection of Jacket khaki** 100% of the offered store shall be inspected as per procedure in vogue OR predefined Stage Inspection OR as per Annex F (AQL).

4. Inspection/ acceptance is to be carried out to the entire satisfaction of Chief Inspector of Naval Stores and also as per instructions/ procedure laid down in Official unit order instruction.

5. Common defects in jackets is enclosed as Annex E for consultation/ guideline. However these guide lines may be considered by inspecting officer in addition to Unit Instruction Order or as per order of Inspecting Authority.

6. The jacket khaki shall be examined for the correctness of material, shape, design, dimension, size, workmanship and finish.

7. CINS reserves the right to reject the whole supply in case, upon examination, material or packing of any sample or portion of the consignment is found NOT CONFORMING the parameters laid down in this specification or the quality of product does not seems up to the mark.

8. If on examination of 5% of any delivery, 30% of those examined from bulk supply are found NOT CONFORMING to this specification in respect of the pattern, dimensions, workmanship and finish, the whole consignment may be rejected without any compromise.

9. All stores and packing NOT fully in accordance with this specification shall be rejected.

10. The CINS is the authority in all matters pertaining to inspection.

11. **Stamping of Accepted/ Rejected Stores by the Inspector** Following instructions are to be followed.

a. **Stamping of Accepted Stores** Each acceptable jacket shall be stamped with Inspector's Individual Acceptance mark or as per instructing of Inspecting Authority. The stamping shall be legible.

b. **Stamping of Rejected Stores** The rejected jacket shall be marked with Inspector's Rejection mark at the back/ visible place of jacket to avoid re-submission by the supplier.

0117. SPECIAL INSTRUCTIONS

1. **Care Label Instructions** Following care instructions in the form of leaflet OR attached with Weather proof jacket khaki shall be provided in English and Urdu:

- a. Washing procedure (Zip all the zippers prior laundering, avoid harsh chemicals, dark/ stained uniform washed separately, etc.)
- b. Drying procedure (after washing uniform must be hanged in shade and turn cloth inside out).
- c. Use of camphor pouches, dried neem leaves, or bag of salts in the box and in wardrobes for freshness and less fading.
- d. Any prohibition e.g. Do not bleach and dry clean etc.

0118. PACKING DETAILS

1. The store when ordered to be delivered 'PACKED' shall be packed as per following instructions:

- a. Each Stitched Jacket khaki shall be properly folded length wise.
- b. Unique Security Code (as embossed on the inside of each item) alongwith corresponding Barcode, may also be indicated on outside of each polythene bag in form of stickers at a suitable place.
- c. The Stitched Jacket khaki shall be packed in a neat, dry and clean condition in polyethylene bag of thickness of 0.05mm (± 0.01mm) and suitable size.
- d. 05 x stitched jacket shall be further packed, separately in a thick Carton/ Boxboard/ Corrugated Carton/ Flouting.
- e. Each Carton shall be securely and properly packed.
- f. Carton consist of following parameters:
 - (1) Carton of 05 ply is used for packing.
 - (2) Weight of outer ply is 180± 5 gm.
 - (3) Inner paper ply weight /m² 180± 5 gm.
 - (4) Corrugated paper weight/m² 120± 5 gm.
 - (5) Paper lined with corrugated sheet 120± 5 gm.
 - (6) Each Carton shall consist of same size.

0119. IDENTIFICATION LABEL/ MAIN LABEL

1. Identification label/ main label shall bear following clear and indelible information and shall be stitched alongwith care label

- a. Item name/ item description with NSN/Pattern No.
 - b. Material Composition.
 - c. Contract number and Date.
 - d. Year of manufacture.
 - e. Contractor's name, initials, or trade mark.
 - f. Batch No/ Bar code.
 - g. Identification of face at suitable places.
2. Unique Security Code/ tracking code with permanent ink should be embossed in the following way on inside of each Jacket at a suitable place:
- a. A unique security/tracking code (10-12 digits) with permanent ink should be embossed/ printed on the inner side of each shirt/ jacket (preferably at collar or cuff) as well as the Trouser (inner side of the front/back pocket or waist belt).
 - b. The complete security/ tracking code must start with a 4-letter alphabet to represent manufacturing supplier/ firm name followed by 6 to 8 digits. For instance, 'PNSY00010789' for M/s Paray or 'NSH700020789' for M/s Nehat.
 - c. Specific alphabet should be defined in indent of store initiated by concerned depot.

0120. PACKING LIST

1. Firm is bound to provide a packing list of store offered for inspection along with the challan, which include complete details about the store (i.e. Pattern No., Description of stores, size, quantity, contract No., and Date, Challan No. date and If Note No. or voucher no. and date, consignee, Manufacturer/ firm's name, date of packing, packer's signature, storage instructions and QA certificate/ Lab test report from any accredited lab.

0121. MARKING OF STORES

1. Each carton of jacket will stenciled with quick drying Black Indelible ink/ print in clearly define characters as per followings:
 - a. On Front and Top:
 - (1) Consignee Address.
 - (2) Contract No and date.
 - (3) Description of Stores Packed and NSN/Pattern No.
 - (4) Storage / Stacking Instructions.
 - (5) Quantity of the item packed.
 - (6) Signature along with stamp of Packaging Manager/ rep. of firm.
 - b. On Back:
 - (1) Manufacturers name / Firm's name.
 - (2) Voucher No. or inspection note no. and date.

- (3) The No. of individual Package and the total No of Packages in the consignment joined by the word 'of' e.g. 2 of 300.
- (4) Weight of the package.
- (5) Month and year of packing.
- (6) Destination i.e. Railway station/ (Navy).

0123. DELIVERY

- 1. The item shall be delivered in good quality and fulfilling the requirements of PN specification.
- 2. The store shall be delivered in brand new, clean and dry condition.

XXXXXSDXXXXX

USMAN ZAFAR TI(M)
Captain Pakistan Navy
Director

Annexes:

A	Definitions & Abbreviations	11
B	Technical Details of Weather Proof Jacket Khaki	12
C	Measurements and Dimensions of Weather Proof Jackets	18
D	Technical Drawing of Weather Proof Jackets	21
E	Guidelines for Inspection – General Defects	33
F	Acceptable Quality Levels (AQLs)	35
G	Feedback Form	27

DEFINITIONS & ABBREVIATIONS

1. DEFINITIONS

a. Following definitions are used in this specification and will be adopted for use:

- (1) Inspector. The term inspector shall include the "Inspection Authority", Inspecting Officers and their representatives, duly authorized for the purpose of discharging inspection duties involved.
- (2) Inspection Authority. Chief Inspector of Naval Stores (CINS). His verdict in respect of Sealed Inspection matters is to be taken as final.
- (3) Inspecting Officers. An Officers nominated by the CINS for carrying out inspection of stores supplied by the supplier, against a specified contract or order, in accordance with the particulars stipulated therein.
- (4) Acceptance Quality Level (AQL). It represent allowable limit/tolerance of defects or non-conformities in an offered store/ lot/ batch. It represent in percentage, also known as Allowable Quality Limits.
- (5) Minor Defects. They are small insignificant issues that don't affect the function or form of the item. Highest tolerance of AQL has been set for minor defects.
- (6) Major Defects. They would likely result in product return but don't poses safety risk. AQL tolerance depend upon the description/ quality of finished product.

2. ABBREVIATIONS

a. Following abbreviations are used in this specification and will be adopted for use:

- (1) CINS Chief Inspector of Naval Stores.
- (2) DIO Director of Inventory Deletion.
- (3) DCLS Directorate of Clothing Stores.
- (4) PNCSO Pakistan Navy Clothing Store Depot.
- (5) PNCTA Pakistan Navy Central Testing Authority.
- (6) PNE Pakistan Naval police.

ANNEX B TO
REVISED PN SPECIFICATION NO 03/2022
PROMULGATION DATE 03 JUNE 2025

TECHNICAL DETAILS OF WEATHER PROOF JACKET KHAKI

S.NO	ITEMS	STANDARDS	REQUIREMENTS
1.	<u>BASE FABRIC</u> PN Specifications 11/2021 Dated 31 Aug 21 (Khaki Cloth for Dress Khaki).		
2.	<u>LINING/ WADDING FABRIC MATERIAL SPECIFICATION (FOR INNER LINING OF JACKET)</u>		
a.	Blend Composition: (1) Cotton (2) Polyester	AATCC-30A	30 ± 3% 70 ± 3%
b.	Threads per 25 cm (1) Warp (2) Weft	ISO-7211/2	85 ± 2 55 ± 2
c.	Linear density (1) Warp (2) Weft	ISO-7211/5	30 ² ± 3 ² 33 ² ± 3 ²
d.	Weave Pattern	ISO-7211/1	1x1 Plain
e.	Weight per sq meter	ISO-3801	100 ± 2Grams
f.	Nature of Dye	Chemical Analysis	Val dye and Disperse dye
g.	Shade	Visual analysis	Khaki (15-0725 TCX) or match with base fabric
3.	<u>LINING/ WADDING FABRIC PERFORMANCE TESTING</u>		
a.	Shrinkage (1) Warp (2) Weft	BS EN ISO-6330 (4N) BS EN 25077	± 1% ± 1%
b.	BS (10.2X 18.8 cm BG) (1) Warp (2) Weft	ISO-13934-01	(5 cm x 20 cm (B.G)) 630 ± 5N 470 ± 5N
c.	Washing Test-3 (1) Change in Shade (2) Staining	ISO-105-C10 (C3)	GS- 4 or better GS- 4 or better
d.	Perpiration Test (Acidic & Alkaline) (1) Change in shade (2) Staining	ISO-105-E04	AcidicAlkaline 4 or better4 or better 4 or better4 or better
4.	<u>FILLING/ WADDING MATERIAL SPECIFICATION</u>		
a.	Material	AATCC-30A	100 % Polyester
b.	Weight per sq meter (gms)	ISO-3801	150 ± 05 Grams
c.	Thickness at 300 g Load	ISO-2589	2.4 ± 0.2 mm
5.	<u>KNITTED CUFF</u>		
a.	Blend Composition (1) Cotton	AATCC-30A	55%

REVISED PN SPECIFICATION NO 03/0022

	(2) Lyons		5%
b.	Weight per sq meter	ISO-3801	530 Grams ± 10 Grams
c.	No of Needles (1) Wale (2) Coarse	ISO-7211/2	22/ inch ± 3 38/ inch ± 3
d.	Linear density (1) Cotton (2) Splicing	ISO-7211/5	1001±1 70 ± 5 Denier
e.	Shade	Visual analysis	Matched with Base Fabric
f.	Dye (1) Cotton (2) Polyester	Chemical Analysis	Reactive dye Disperse
6.	<u>KNITTED CUFF PERFORMANCE TESTING</u>		
a.	Shrinkage (1) Warp (2) Weft	BS EN ISO-6330 (4N) BS EN 25077	± 3 % ± 3%
b.	Washing Test-3 (1) Change in Shade (2) Staining	ISO-105-C10 (C3)	GB: 4 or better GB: 4 or better
c.	Perspiration Test (Acidic & Alkaline) (1) Change in shade (2) Staining	ISO-105-E04	Acids Alkaline 4 or better 4 or better 4 or better
7.	<u>CUT ZIPPER NYLON COIL (YKK BRAND OR EQUIVALENT) SMALL NO 5 (FOR ATTACHMENT OF LINING SLEEVE)</u>		
a.	Material of Teeth	AATCC-20A	Nylon
b.	Teeth shape	Visual analysis	Coil
c.	Performance	Visual analysis	Satisfactory
d.	Shade	Visual analysis	Khaki, match with base fabric
e.	Material of Tape	AATCC-20A	Polyester
f.	Slider of zipper (1) Material (2) Nature of coating	ASTM E 158	Zinc alloy (Zinc 93%, Al 4%, Cu 3%) Lacquered
8.	<u>ZIPPER FRONT OPENING SPECIFICATION</u>		
a.	Tape Material	AATCC-20A	100% Polyester
b.	Color	Visual analysis	Khaki, match with base fabric
c.	Elements	AATCC-20A	100% Polyester
d.	Zipper part (1) Top stop (2) Open parts	AATCC-20A	100% Polyester/ Brass
e.	Slider material	ASTM E 158	Zinc alloy (Zinc 93%, Al 4%, Cu 3%)
9.	<u>ZIPPER FRONT OPENING PERFORMANCE TESTING</u>		
a.	Element Slippage	ASTM D 9034	45 N (Min)
b.	Element Pull off	ASTM D 2001	45 N (Min)
c.	Operating force (N)	ASTM D2003	6.9 N (Max)

	d.	Cross wise (N)	ASTM D 2061	350 N (Min)
	e.	Folded Cross wise (N)	ASTM D 2061	100 N (Min)
	f.	Top Stop Strength	ASTM D 2061	70 N (Min)
	g.	Separating unit Cross wise Strength	ASTM D 4632	80 N (Min)
	h.	Slider Lock Strength	ASTM D 2061	40 N (Min)
	j.	Slider Strength 90°/45°	ASTM D 2061	180 N (Min)
	k.	Durability	ASTM D 2061 & ASTM D 3062	500 cycles
10.	<u>ZIPPER FOR HOOD ADJUSTMENT SPECIFICATION</u>			
	a.	Tape Material	AATCC-20A	100% Polyester
	b.	Color	Visual analysis	Khaki, match with base fabric
	c.	Elements	AATCC-20A	100% Polyester
	d.	Zipper part (1) Top stop (2) Open parts	AATCC-20A	100% Polyester/ Brass
	e.	Slider material	ASTM E 158	Zinc alloy (Zinc 93%, Al 4%, Cu 3%)
11.	<u>ZIPPER HOOD PERFORMANCE TESTING</u>			
	a.	Operating force (N)	ASTM D2062	6.9 N (Max)
	b.	Cross wise (N)	ASTM D 2061	600 N (Min)
	c.	Folded Cross wise (N)	ASTM D 2061	350 N (Min)
	d.	Top Stop Strength	ASTM D 2061	100 N (Min)
	e.	Separating unit Cross wise Strength	ASTM D 4632	80 N (Min)
	f.	Slider Lock Strength	ASTM D 2061	40 N (Min)
	g.	Slider Strength 90°	ASTM D 2061	180 N (Min)
	h.	Durability	ASTM D 2061 & ASTM D 2062	500 cycles
12.	<u>STUD BUTTON MATERIAL SPECIFICATION</u>			
	a.	Material	AATCC-20A	Brass
	b.	Size (Dia)	Physical Analysis	14 mm
13.	<u>STUD BUTTON PERFORMANCE TESTING</u>			
	a.	Appearance	Visual analysis	No Sharp point or edges
	b.	Resistance to corrosion	ASTM B 117	No corrosion or visual change
	c.	Attachment Strength	ASTM PS 79	15 Lbs for 10 Sec
	d.	Operability (Open/Close)	ASTM D4846	2.0-5.0Lbs
	e.	Appearance after laundering	ISO-6330 (4N)	No Chipping, Cracking, Faint Loss, color transfer
14.	<u>BRAIDED CORD MATERIAL SPECIFICATION (WAIST ADJUSTMENT)</u>			
	a.	Material (1) Outer (2) Inner	AATCC-20A	Polyester Rubber
	b.	Thickness	ISO-2480	2.55 mm
	c.	Color	Visual analysis	Khaki, match with base fabric
	d.	Circumference	Physical analysis	12 mm
	e.	WW Linear Mtr	ISO-3801	9 ± 1 gm
	f.	Construction	Visual analysis	

REVISED PN SPECIFICATION NO 03/2022

	(1) Braided		15
	(2) Core		03
	g. Nature of Dye	Chemical Analysis	Disperse dye
15.	BRAIDED CORD PERFORMANCE TESTING (WAIST ADJUSTMENT)		
	a. Breaking Strength in kg at 250 mm BG	ISO-13934-01	30 ± 5 kg
	b. Washing Test-3 (1) Change in Shade (2) Staining	ISO-105-C10 (C3)	GS: 4 or better GS: 4 or better
16.	BRAIDED CORD (HOOD AND BOTTOM)		
	a. Circumference	Physical Analysis	15 ± 1mm
	b. Wt/ Linear mtr	ISO-3801	8 ± 1 gm
	c. Material	AATCC-20A	Polyester
	d. Construction	Visual Analysis	03 Cord
	e. Color	Visual Analysis	Khaki, match with base fabric
	f. Nature of Dye	Chemical Analysis	Disperse dye
17.	BRAIDED CORD PERFORMANCE TESTING (HOOD AND BOTTOM)		
	a. Breaking Strength in kg at 250 mm BG	ISO-13934-01	40 ± 1 kg
	b. Washing Test -3 (1) Change in Shade (2) Staining	ISO-105-C10 (C3)	GS: 4 or better GS: 4 or better
18.	CARE LABEL MATERIAL SPECIFICATION		
	a. Material	AATCC-20A	Silk
	b. Shade	Visual analysis	White
19.	VELCRO TAPE MATERIAL SPECIFICATIONS		
	a. Material (1) Male (2) Female	AATCC-20A	Nylon Nylon
	b. Color	Visual analysis	Khaki, Match with base fabric
20.	VELCRO TAPE PERFORMANCE TESTING		
	a. Before Sticking/ unsticking 300 times at 300 g	Visual analysis	Satisfactory
	b. After Sticking/ unsticking 300 times at 300 g		Satisfactory
	c. Class – I for hook and loops	AATCC-20A/20	100% Nylon with selvage
	d. Type – II		5.8 mil 300 denier hook
	e. Width		1 inch
	f. Thickness (1) Hook (2) Loop	ASTM D 1777, opt 5	0.05 in (min) 0.099 in (min)
	g. Weight Grams/ linear yard (1) Hook (2) Loop	ASTM D 3776 opt D	4.7 5.9
	h. Breaking strength (lb)	ASTM D 5034	

	(min) i) (1) Hook (2) Loop		100 75
	j. Peel strength (lb/inch) (min) Before wash (1) After 03 launderrings	ASTM D 5170	1-1.5 1.0
	k. Shear strength (1) Before wash (2) After 03 launderrings	ASTM D 5169	10 10
	l. Fray resistance after 03 launderrings	Mil spec A-A- 55126B	No fraying observed
21.	<u>BUTTONS (FOR SHOULDER STRAPS, SLEEVES & DETACHABLE WADDING)</u>		
	a. Material	Identification of Plastic (Flame Test)	Polyvinyl
	b. Colour	Visual analysis	Khaki, match with base fabric
	c. Size (Dia) (1) Shoulder strap (2) Sleeve & detachable wadding	Physical analysis	18 mm 19 mm
22.	<u>BUTTONS PERFORMANCE TESTING</u>		
	a. Color fastness to Water	ISO-105-E01	QS: 4 or better
	b. Impact test (0.7mm)	ASTM D 5171	No cracks, chips or breakage
	c. Color fastness to heat (hot pressing)	AATCC 133	QS: 4 and no chipping, cracking, discoloration or fading
23.	<u>CORD END SECURING / LOCK</u>		
	a. Material	Identification of Plastic (Flame Test)	Plastic
	b. Shade	Visual analysis	Khaki, match with base fabric
24.	<u>BARREL CORD LOCK PLASTIC</u>		
	a. Material	Identification of Plastic (Flame Test)	Plastic
	b. Colour	Visual analysis	Khaki, match with base fabric
	c. Weight of lock plastic	ISO-3801	2 ± 0.5 Grams
	d. Weight of spring	Physical analysis	0.5 ± 0.01 Grams
25.	<u>EYELET BRASS 10 MM (HOOD AND WAIST)</u>		
	a. Colour/ Finish	Visual Analysis	Brown
	b. Gauge (1) Eyelet (2) Washer	SWG	22-SWG 25-SWG
	c. Wt 10 pcs (1) Eyelet (2) Washer	Visual Analysis	2.5 gm 1 gm
	d. Dimension	Physical analysis	

REVISED PN SPECIFICATION NO 03/2023

	(1) Inner dia (2) Outer dia		10 ± 1mm 5 ± 1mm
26.	LINING OF POCKET		
a.	Material	AATCC-20A	Polyester
b.	Yd/ sq mtr	ISO-3651	250 ± 5gm
c.	Color	Visual Analysis	Black
d.	No. of Courses/ 25.4 mm	ISO-7211/2	43
e.	No. of Wales/ 25.4 mm	ISO-7211/2	51
f.	Shrinkage 1% age (1) Length (2) Width	BS EN ISO-6336 (4N) BS EN 23077	±2 % ±2 %
27.	SEWING THREAD (FOR STITCHING OVER LOCKING)		
a.	Construction	Visual Analysis	03 cord each single
b.	Material	AATCC-20A	Polyester
c.	Linear density	ISO-7211/5	12/3 Tex
d.	Shade	Visual Analysis	Khaki
e.	Balance of Twist	Visual Analysis	03
f.	Direction of Twist	Visual Analysis	S
g.	Nature of Dye	Chemical Analysis	Disperse dye
28.	SEWING THREAD PERFORMANCE TESTING		
a.	B.S (24 B.G)	ISO-13334-01	0.64 kg (at 18° B.G)
b.	Washing Test No.-3 (1) Change in Shade (2) Staining on Cotton	ISO-105-C10 (C3)	GS: 4 or better GS: 4 or better
c.	Light Fastness	BS 1058	GS: 4 or better
29.	QUILTING THREAD		
a.	Construction	Visual Analysis	02 Cord each single
b.	Material	AATCC-20A	Polyester
c.	Linear density	ISO-7211/5	31/2 Tex
d.	Shade	Visual Analysis	Khaki
e.	Balance of Twist	Visual Analysis	02
f.	Direction of Twist	Visual Analysis	S
g.	Nature of Dye	Chemical Analysis	Disperse dye
30.	QUILTING THREAD PERFORMANCE TESTING		
a.	B.S (24 B.G)	ISO-13334-01	1.4 kg (at 18° B.G)
b.	Washing test No.-3 (1) Change in Shade (2) Staining on Cotton	ISO-105-C10 (C3)	GS: 4 or better GS: 4 or better
c.	Light Fastness	BS EN-1058	GS: 4 or better
31.	TWILL TAPE		
a.	Material	AATCC-20A	Cotton
b.	Shade	Visual Analysis	Khaki
c.	Size (Width)	Physical Analysis	25 mm
d.	Threads per inch	ISO-7211/2	75
e.	Breaking Strength	ISO-13334-01	59.4 kg

	(Full with a 1" B.G.)		
32	BUCKRAM/ FUSING (POCKET FLAP & SHOULDER STRAP)		
	a. Material	AATCC 20 A	Cotton
	b. Wt/ Sq.mtr	ISO 3801	162 gm ²
	c. Shade	Visual	White / matched with base fabric
	d. Threads / 2.5cm (1) Warp (2) Weft	ISO 7211/2	66 53
33	BUCKRAM/ FUSING PERFORMANCE TESTING		
	a. appearance after 05/10 cycles at 60/40 °C of laundering	BS EN ISO 6330 Visual Manual	No pucker Adhere bond, bubble , cracking.

REVISED PN SPECIFICATION NO 03/2022

ANNEX C TO
REVISED PN SPECIFICATION NO 03/2022
PROMULGATION DATE 03 JUNE 2025

MEASUREMENTS AND DIMENSIONS

WEATHER PROOF JACKET										
S.No	DESCRIPTIONS	SIZE (in)								
	Size	S	M	L	X L	2XL	3XL	4XL	5XL	6XL
A.	Length HPS	31	31.5	32	34	34	35	35	35	35
B.	Shoulder	18	18.5	20	20.5	21	21.5	22	22.5	23
C.	Sleeves length	23	23	24	26	26	26	26	26	26
D.	Chest	23.5	24	24.5	25	25.5	26	26.5	27	27.5
E.	Waist	Adjustable Tape/ Draw String								
F.	Bottom	23.5	24	24.5	25	25.5	26	26.5	27	27.5
G.	Arm hole	12	12	12.5	12.5	13	13	13.5	13.5	14
H.	Collar	21	21	21.5	21.5	22	22	22.5	22.5	23
J.	Cuff	7	7	7.5	7.5	7.5	7.5	7.5	7.5	7.5
K.	Shoulder to Pocket distance	8	8	8	8	8	8		8	8
L.	Shoulder Flap	6.5	6.5	6.75	6.75	7	7	7.25	7.25	7.5
INNER WADDING/ JACKET SPECIFICATION										
a.	Length HPS	28	28	29	31	31	32	32	32	32
b.	Shoulder	18	18.5	20	20.5	21	21.5	22	22.5	23
c.	Sleeves without rib	20.5	20.5	21.5	23.5	23.5	24	24	24	24
d.	Chest	23.5	24	24.5	25	25.5	26	26.5	27	27.5
e.	Waist	Not Applicable								
f.	Bottom	23.5	24	24.5	25	25.5	26	26.5	27	27.5
g.	Arm hole	11.75	11.75	12	12	12.75	12.75	13	13	13.75
h.	Neck width	7	7	7.5	7.5	8	8	8.5	8.5	9
Tolerance : ± 0.5"										
MEASUREMENTS AND DIMENSIONS OF ZIPPER FOR FRONT OPENING										
a.	Chain Width					5.70				
b.	Chain Thickness					2.58				
c.	Element Head					2.08				
d.	Element Pitch					3.48				
e.	Thickness of Retainer Pin					2.85				
f.	Thickness of Separable Pin					2.85				
g.	Top Stop Thickness					2.58				
h.	Total chain width					29.5				
i.	Exposed tape width					12.0				
MEASUREMENTS AND DIMENSIONS OF ZIPPER FOR HOOD										
a.	Chain Width					6.45				
b.	Chain Thickness					2.62				
c.	Element Head					1.35				
d.	Element Pitch					1.76				
e.	Element length					4.06				
f.	Element width					2.10				

REVISED PN SPECIFICATION NO 03/2023

g	Thickness of Retainer Pin	2.20	±0.05
h	Thickness of Separable Pin	2.20	±0.05
j	Top Stop Thickness	2.90	±0.15
k	Total chain width	32.0	±2.00
l	Exposed tape width	12.8	±1.00

ADDRESS: 101-107
POSTAL CODE: 101-107
CITY: 101-107



**ANNEX E TO
REVISED PN SPECIFICATION NO 03/2022
PROMULGATION DATE 03 JUNE 2025**

GUIDELINES FOR INSPECTION – GENERAL DEFECTS

<u>S.No</u>	<u>Defects</u>	<u>Major</u>	<u>Minor</u>
1.	Needle hole	Major	
2.	Skipped stitches		
3.	Threads break		
4.	Broken stitches		
5.	Seam pucker		
6.	Pleated/ defected seam	major = 5cm	minor <1cm
7.	Wrong stitch density	Major at front	Minor at back
8.	Uneven stitch density		
9.	Oil stains/ marks		
10.	Reserved garments parts	Major	
11.	Wrong shade of thread used		
12.	Open seam		
13.	Stitch end		Minor
14.	Asymmetry	Major	
15.	Any missing accessories		
	Dimension color area different		
16.	Malfunction of zippers		
17.	Button inside out		
18.	Damaged button		
19.	Button hole too small		
20.	Omitted button hole		
21.	Unsew/ partial cut button hole		
22.	Ragged edges of button hole		Minor
23.	Broken button hole stitches	Major	
24.	Misaligned/ misplaced button and		

	holes		
25.	Malfunction of zippers		
26.	Zipper slider running not smoothly		
27.	Missing zipper teeth		
28.	Missing zipper puller		
29.	Wavy zippers		
30.	Gap at zipper top and bottoms		
31.	Fusing bubbles/ wrinkles on buckram		Minor (if it's too small)

ANNEX F TO**REVISED FN SPECIFICATION NO 03/2022****PROMULGATION DATE 03 JUNE 2025****ACCEPTABLE QUALITY LEVELS (AQLs)**

1. Acceptable Quality Level (AQL) is maximum average defective items in a lot or limit / percentage of defective items in product /offered store. It is expressed in a percentage. Number of average defective items is determined by following formula.

$$\text{Average defective items} = \frac{\text{No. of defective item found during inspection}}{\text{Total no. of item to be inspected}} \times 100$$

2. AQL process: it is used for inspection of finished product / garment by the QC professionals. AQL standard is depend on the quality of the product to be inspected, random sampling, and experience of inspector. Normally lower figure AQL standard e.g. 01% is used for high quality products/ narrow width fabric and high figure AQL standard e.g. 10% for low quality product/ garment. AQL standard 2.5% means that allowable limit of defective item is 2.5 % of total items inspected .Usually AQL 2.5% is used for major defects, AQL 4.0 % is used for minor defects and AQL 6.5% is used for slight defects, however zero acceptance for critical defects Allowable limit of Major defects are less than minor defects and it depends upon nature of item /offered store. It can be less than 01% or greater than 10%. Following AQL table is used to determine lot size/ offered store quantity, least no. of sample to be inspected, AQL %, and acceptance & rejection points:

<u>SINGLE SAMPLING PLAN FOR NORMAL INSPECTION OR AS PER ORDER OF INSPECTING OFFICER.</u>											
Lot size	Least No. of sample to be inspected	Allowable Quality levels(AQL) %									
		- Acceptable/ Allowable defective sample (Ac) - Rejected /Exceed allowable limit of defective item (Re)									
		1.5%		2.5%		04%		6.5%		10%	
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re
201-500	20-80	1-3	2-4	1-5	2-6	2-7	3-8	3-10	4-11	5-14	6-15
501-1200	32-125	1-6	2-8	2-7	3-8	3-10	4-11	5-14	6-15	7-21	8-22
1201-3200	50-200	2-7	3-8	3-10	4-11	5-14	6-15	7-21	8-22	10-21	11-22
3201-	60-315	3-	4-	5-	6-	7-	8-22	10-	11-22	14-	15-

10000		10	11	14	15	21		21		21	22
10001- 35000	125-500	5- 14	6- 15	7- 21	8- 22	10- 21	11- 22	14- 21	15-22	21	22
35001- 150000	200-800	7- 21	8- 22	10- 21	11- 22	14- 21	15- 22	21	22	21	22
150001- 500000	315-1250	10- 21	11- 22	14- 21	15- 22	21	22	21	22	21	22
500001- above	505-2000	14- 21	15- 22	21	22	21	22	21	22	21	22

3. If the inspector have time constrain then AQL is beneficial/ helpful in inspection of whole lot/ offered store. It save time, cost and give effective/ statistical result of product offered store e.g. If inspector needs 5 minutes to check the item, the quantity to be inspected is 2,500 items then it took 208 hours to check the whole consignment/ offered store it means 26 days approx. for one store. Calculation is as follows:

$$\frac{5 \text{ min} \times 1 \text{ hr}}{1 \text{ item} \times 60 \text{ min}} \times 2,500 \text{ items} = 208.33 \text{ hrs} \approx 26 \text{ days}$$

After Implementing AQL standard so the sample taken from the lot/ offered store is 200 items/ sample:

$$\frac{5 \text{ min} \times 1 \text{ hr}}{1 \text{ item} \times 60 \text{ min}} \times 200 \text{ items} = 16.66 \text{ hrs} \approx 02 \text{ days}$$

4. Quality parameters/ AQL limits may be defined by inspecting Authority (if deemed appropriate) and communicate to the manufacturer, so the manufacturer set their quality levels (AQL limits) accordingly for their internal audit. Therefore, good quality product is ready for inspection.

REVISED PN SPECIFICATION NO 03/0033

ANNEX G TO
REVISED PN SPECIFICATION NO 03/2023
PROMULGATION DATE 03 JUNE 2025

FEEDBACK FORM

Unit Name: _____

Item Description# _____

Issue/Problem occurred _____

PN SPEC # _____

Possibility to resolve Issue _____

Any Other Remarks _____

Note

- It's good to give feedback for improvement in any clothing item.
- Recurring problem will also be intimated through this form.

Name Stamp

COUNTERSIGNED By CO/Admin Authority
Name Stamp

Jacket Weather Proof Digital Camouflage Pak Marines Size Small



8415701000991

001184

Jacket Weather Proof Digital Camouflage Pak Marines Size Medium



8415701000992

001185

Jacket Weather Proof Digital Camouflage Pak Marines Size Large



8415701000993

001186

GENERAL REQUIREMENTS/CONDITIONS**ANNEX B TO**

Indent No. 425/43

Indent Date: 2024-11-19 00:00

<u>S. No and Description</u>	<u>Firm's Reply</u> (Complied/ Partially Complied/ Not Complied)	<u>Reference</u> to attached Firm's proposal/ Structure
1. SCOPE OF SUPPLY WORK The Supplier undertakes to deliver equipment/goods/stores including Supplies and Services to the Purchaser on FOB/ FOB Karachi basis as per INCOTERMS 2020 as per details specified in Annex-A (Technical Specifications) and General Terms and Conditions given at Annex-B to this Indent. The Supplier shall, in accordance with the terms and conditions as set forth in the Indent, with due care and diligence, provide the equipment/goods/stores and supply the Services within the date(s) specified in the Project Time Schedule.		
2. PERFORMANCE BANK GUARANTEE (PBG) To ensure timely and correct supply of stores, the Supplier shall furnish an unconditional and irrevocable PBG within 30 days of contract signing from a scheduled Pakistani Bank for an amount equivalent to 10% of the contract value (on a Judicial Stamp Paper of the value of Rs 100.00), in the same currency as that of the Contract and endorsed in the favour of CMA/DP, Rawalpindi. The CMA/DP, Rawalpindi has the like power of seeking encashment of the PBG as if the same has been demanded by the Purchaser himself. This PBG shall remain valid for 60 days beyond the completion of warranty period. If the Supplier fails to issue the Bank Guarantee within the specified period because of circumstances that the Supplier is responsible for, the Purchaser reserves the right of canceling the Contract. In the event of any material breach of terms of Contract having implication on Time schedule and Scope of Work beyond the acceptable limits defined in this Contract, the Supplier shall be given a written notification to satisfy the breach within 30 days and if the Supplier fails to take satisfactory remedial actions, Purchaser shall have the right to forfeit the PBG but only to the extent of Purchaser's loss or damage resulting from such material breach. For this purpose, the Supplier undertakes not to hinder/restrain encashment of PBG provided to the Purchaser on account of this contract through any Court, extra judicial or any other process including administrative in nature whatsoever.		
3. PRICES OF THE ITEMS The Supplier should mention the price of all deliverables (i.e. Equipment/ Services, Spares, Documentation, Test Bench/ Tools/ Test Equipment, Trainings, FATs (Factory Acceptance Trials), Installation/ Integration, Acceptance Test/ Trials/ Commissioning etc where applicable) separately in financial bids. The same are to be		

subsequently incorporated in the contract document.		
4. TRANSFER OF TITLE AND RISK Risk of loss and damage to the Equipment shall be transferred to the PURCHASER according to the INCOTERM 2020 used in the Contract and stated in Article 1. Title to the Equipment shall be transferred to the Purchaser when the Supplier has received full payment of the Contract Price.		
5. WARRANTY/ GUARANTEE a. Warranty period of all items except defective/non-operational shall commence from the date of acceptance of Good/ Equipment, whereas warranty of defective/non-operational equipment (at the time of commissioning/ acceptance) shall commence after defect rectification of equipment. b. The stores and all its associated accessories should be warranted against DPL-15 by the Supplier for a period of 01 year, for all defects in hardware from the date of final acceptance by PM. Software provided with the systems should also have warranty for a minimum period of 05 years for any bugs found in operations. The Supplier shall provide/incorporate all software updates in this period. c. The Supplier should provide guarantee that the article supplied are of latest version and all modifications/up gradation have been incorporated in the equipment being supplied. d. The Supplier should provide guarantee that the stores produced are of current production and brand new, in accordance with approved drawing, and in all respects. The materials used, whether or not of his manufacture should also be in accordance with the latest appropriate standard specifications. e. The Supplier shall provide guarantee for through life supportability of the equipment and software for at least 05 years after acceptance of the entire system.		
6. NON DISCLOSURE AGREEMENT Any information about the sale/ purchase/ services/ drawings/ infrastructure etc of the project under the contract shall not be communicated to any person, other than the manufacturer/ provider of the stores/ drawings/ machinery/ equipment/ tools etc or to any press or agency not authorized by the Purchaser to receive it. Any breach on this account shall be punished under the Official Secret Act 1923. Promotional rights for publication of the projects are the sole responsibility of the Purchaser, and any use by the consultant shall be subject, in all instances, to the Purchaser's prior written approval.		

7. INSPECTION OF STORES/ ACCEPTANCE TEST PROCEDURE The stores shall be accepted and inspected by following officers/ Reps:- (1) Rep of CNS b. Above team shall inspect and test the goods to on Supplier their conformity to the contract specifications. c. The conditions of the contract and technical specifications shall specify inspections/ tests criteria as required by the Purchaser and place of conduct. d. Purchaser shall notify the Supplier in writing of the identity to any representatives entrusted for this purpose. e. If any inspected or tested goods fail to conform to the specifications, Purchaser may reject them and the Supplier shall either replace the rejected goods or make alterations necessary to meet specification requirements free of cost to Purchaser. f. Purchaser's right to inspect, test and where necessary, reject the goods after arrival in Pakistan shall in no way be limited or waived by reasons of the goods having previously been inspected, tested and passed by Purchaser or its representative prior to the goods shipment from the country of origin.		
8. DISCREPANCY The Supplier shall render a discrepancy report to all concerned within 30 days after receipt of stores for discrepancies found in the consignment. The quantities found short or defective are to be made by the Supplier, without any additional cost on "GDP" consignee's warehouse within 30 days.		
9. COMPENSATION ON BREACH OF CONTRACT If the Supplier fails to supply of contracted stores or contract is canceled either on RE or without RE or contract become ineffective due to default of Supplier/ Supplier or stores/ equipment declared defective and caused loss to the Government, Supplier shall be liable to pay to the Government compensation for loss or inconvenience resulting from his default or from the rescission of his contract when such default or rescission take place such compensation shall be in excess to the RE amount, if imposed by the competent authority. Compensation amount in terms of money shall be decided by the purchase officer and shall be deposited by Supplier/ Supplier in Government treasury in the currency of contract.		
10. PENALTY a. The Supplier before making the shipment shall carry out complete test of the equipment at its facilities to ensure		

that the same has been manufactured as per specifications. In case the equipment does not pass the test/ trials, Purchaser has the right to outright reject the equipment or impose penalty at the rate of 10 - 15% of the value of the relevant equipment/ items. b. The penalty shall not absolve the Supplier to undertake the repairs in Pakistan or abroad at his cost and expense including freight charges. This shall be in addition to the penalties and obligations covered in the contract like warranty/ guarantee obligations on Form DPL-15.		
11. CONTRACT COMPLETION CERTIFICATES Upon completion of all contractual obligations under this Contract, the Supplier shall submit a 'No Demand Certificate' to the Purchaser stating that no stores/ goods, Supplies, Services and payments are outstanding. Concurrently, the Purchaser shall certify through a 'No Objection Certificate' that the requirement placed by the Purchaser as per terms and conditions set forth in this Contract has been fulfilled. Specimen of Contract Completion Certificate/ No Demand Certificate shall be added in the contract prior contract signing. Upon receipt of both certificates, Bank Guarantee(s) shall be returned by CMA(DP) to the Purchaser for onward return to the Supplier.		
12. COMPLIANCE WITH INTERNATIONAL STANDARDS The Goods/Equipment shall comply with all relevant ISO standards stipulated in the Contract and valid on the date of signature of the Contract. The Parties agree that any variation of any ISO standard after signature of the Contract is deemed explicitly not to be a circumstance within the responsibility of the Supplier. Implementation of any variations to the relevant ISO standards for the purpose of operating the Equipment shall be agreed between the Parties within the contractual change management procedure prior to realization.		
13. TECHNICAL SCRUTINY Technical scrutiny of quotations forwarded by the bidder shall be carried out by a committee nominated by CO PNCSD as per instructions of NHQs. The TSR committee may ask the Suppliers to demonstrate their equipment or give a presentation for clarification. TSR committee may also visit the OEM premises at the invitation/expense of the Supplier to evaluate the manufacturing system's capabilities of the OEM.		
14. DELAYS AND LIQUIDATED DAMAGES (LDs) Following Liquidated Damages shall apply for late completion of Consultancy Services as given in the Contract: a. Delay in the completion of all contracted stores/ deliverables up to Twenty One (21) days and for subsequent schedule/orders up to 15 days (from the original Delivery Period only) shall be regarded as "grace period" and no extension/ amendment shall be		

required. When LD is imposed, grace period shall be inclusive. b. For delays beyond the Grace period of Twenty One (21) days mutually caused by consultant, Purchaser shall have the right to impose LDs. LD, if imposed shall be recovered at the rate of up to 2% but not less than 1% (depending upon the merit of the case as decided by Competent Purchase Officer) of the value of stores supplied late per month or a part of a month for the period exceeding the original delivery period are liable to be imposed on the Supplier by the Purchaser in accordance with DPP&35, if the stores/ services supplied after the expiry of the delivery date without any valid reasons, subject to provision that the total LD thus imposed shall not exceed 10% of the total value excluding taxes/ duties, freight, MPT, insurance charges of the stores delivered late.		
15. BIDDING PROCEDURE This tender shall be floated on Open Tender using Single Stage Two Envelope Bidding procedure.		
16. LANGUAGE MEASUREMENTS AND WORKING METHODS All drawings, data-files in soft media, Man-Machinery Interface (MMI) of software and hardware, all marking and identification systems and all other documentation required to be produced or delivered to the Purchaser under the Contract shall be written, and meetings conducted, in the English language. Measurements shall be in metric units of measurement unless otherwise specified.		
17. INTEGRITY PACT Integrity Pact duly signed by the Supplier and Purchaser. The principal/Supplier must strictly adhere to the provisions of this pact and any contravention in this regard would be dealt with severely, which may include (but not limited to) Permanent blacklisting of the principal / Supplier and/or initiation of criminal proceedings against the persons / individuals involved in a court of law.		
18. AMENDMENT IN CONTRACT Amendment in the contract if required shall be processed by Purchaser upon mutual agreement of both parties i.e. Purchaser and Supplier and formally issued through amendment in the contract/corrigendum.		
19. FORCE MAJEURE The Supplier shall not be held responsible for any delay occurring in delivery of the Goods, Supplies and Services due to event of Force Majeure, such as acts of God, war, terrorist activities, floods, earthquakes, tsunamis and other such events like, Pandemics, Lock down, acts of Governments or any other authority competent in relation to any action in connection with this Contract (including delay, refusal, denial, revocation or any other decision regarding any Export License/permit), riots, civil commotion, acts of foreign government and its agencies and disturbance		

directly affecting the deliveries, and events or circumstances, including, but not limited to, any action and/or inaction by or on the part of any other person or entity, on or over which the Supplier has no control. In such an event the Supplier shall inform the Purchaser within 15 (fifteen) days of the happening and within the same timeframe about the discontinuation of such circumstances/ happening in writing. The Party initiating the Force Majeure shall provide the other Party with reasonable proof of the occurrence of any of the aforementioned aspects along with Force Majeure event and of its effects on the delivery of the Supplier or any of its obligations towards this Contract. Once the Party initiating the Force Majeure has provided the reasonable proof of occurrence of Force Majeure event, it shall be verified by the other Party and acknowledged to be realistic. In such case the Force Majeure shall be considered to have occurred. If the delivery of Goods, Supplies and Services to the Purchaser has been delayed by Force Majeure conditions then additional period to the extent of such delay shall be allowed to the Supplier for completion of his obligations so affected without any increase in Contract Price. If Force Majeure is considered present for a continuous period of more than 06 (six) months or exceeding a cumulative period of 12 (twelve) months, then both Parties shall mutually decide future course of action.		
20. TERMINATION OF CONTRACT If at any time during the currency of the contract the Purchaser decides to terminate the contract for any reason whatsoever (other than for reasons of Non- Delivery) he shall have right to do so by giving the Supplier a registered notice to that effect. In that event the Purchaser shall accept delivery at the contract price and terms of such stores/goods/services which are in the actual process of manufacture that is completed and ready for delivery within thirty days after receipt by the Supplier of such notice. In the case of remainder of the undelivered stores/goods/services the Purchaser may elect either: - To have any part thereof completed and take the delivery thereof at the contract price or to cancel the remaining quantity and pay to the Supplier for the articles or sub-components or raw materials purchased by the Supplier and are in the actual process of manufacture at the price to be determined by the Purchaser. In such a case materials in the process of manufacture shall be delivered by the Supplier to the Purchaser. - No payment shall however be made for any materials not yet in the actual process of manufacture on the date notice of cancellation is received.		

c. Should the Supplier fail to deliver goods/services in time as per quality terms of contract or fail to render Bank Guarantee within the stipulated time period or any breach of the contract the Purchaser reserves the right to terminate/cancel the contract fully or any part thereof at the risk and expense (RE) of the Supplier. If due to any reasons Purchaser fails to perform its obligations required and needed for the smooth conduct and management of the Contract, Supplier has a right to initiate legal proceedings.		
21. CONFIDENTIALITY The Supplier and the Purchaser shall keep confidential all information of the other party, whether designated as confidential or not, obtained under or in connection with the Contract and shall not divulge the same to any third party without the written consent of the other party. The provisions of this clause shall not apply to any information in the public domain otherwise than by breach of the Contract, or information obtained from a third party who is free to divulge the same. The Supplier and the Purchaser shall divulge confidential information only to those employees who are directly involved in the Contract or have use of equipment and/or software used in connection with the Contract and shall ensure that such employees are aware of and comply with these obligations as to confidentiality. The Supplier shall undertake that any information about the said purchase of the stores under this contract shall not be communicated to any person, other than the manufacturer/Supplier/company's lawyer(s), or to any press or agency not authorized by the Purchaser to receive it. Any breach on this account shall be punishable under the Official Secret Act-1923 in addition to termination of the Contract at the risk and expense of the Supplier.		
22. SECURE EXCHANGE OF CORRESPONDENCE All correspondence pertaining to contract between Supplier and PN shall be on secured media.		
23. ASSIGNMENT AND SUBCONTRACTING Neither Party shall assign any of its rights or obligations (in whole or in part) under the Contract without the prior written consent of the other Party, which shall not be unreasonably withheld. The Supplier shall not subcontract any part of the Contract without the written consent of the Purchaser, which shall not be unreasonably withheld.		
24. INTELLECTUAL PROPERTY RIGHTS Unless otherwise agreed in writing, all intellectual property rights arising out of this Contract shall vest in the Supplier. The Purchaser shall have a worldwide, non-exclusive, non-transferable, royalty- free license to use, and have used, that intellectual property for any purpose.		

25. OWNERSHIP OF CONTRACT In the event of a change of ownership of Supplier, the Supplier shall ensure that the legal instrument or mode by which the change of ownership takes place shall have specified provisions to the effect that: a. Such change of ownership shall not in any way change, alter or modify the Terms and Conditions of this Contract, and b. The Supplier under new ownership shall continue to be bound by the Terms and Conditions of this Contract.		
26. INDEMNITY In the framework of the implementation of this project, both Parties shall waive off any claim against each other regarding every claim for indemnity for the losses caused to their respective personnel or respective personnel of sub-contractors/agents and their properties. However, if these losses result from deliberate fault or unmistakable error or gross negligence of Supplier or his sub-contractors/agents and/or the Purchaser, the Party involved shall bear alone the burden of the damage repairs.		
27. CERTIFICATION REQUIREMENT Supplier/OEM shall confirm through OEM certificate at the time of supply/delivery of the equipment at consignee that equipment being supplied is proven equipment. Supplier through certificate is to confirm that he shall provide import documents at the time of delivery of stores. Supplier certificate for conformance of 100% indent specifications, any deviation to be clearly indicated in the offer shall be provided at the time of delivery of stores. OEM's "Certificate of Conformity" originating from "Principal" who is neither the OEM nor the OEM's authorized dealer/agent/ stockiest shall not be acceptable.		
28. COURT OF JURISDICTION All disputes arising in connection with this contract shall be sorted out through mutual discussions. Unsettled issues may however be dealt with under the Laws of Pakistan. The Courts at Rawalpindi shall be the Courts of Jurisdiction for any dispute relating to this contract for adjudication.		
29. MISCELLANEOUS a. The Supplier should provide the copies of standard specifications referred to or used for the equipment and its accessories. b. Stores to be accepted on DPL-15 at consignee end. c. Supplier shall provide a conformance certificate that item supplied conforms to relevant international standards.		

	d. The Supplier should mention the price of all deliverables separately in financial quote. The same are to be subsequently incorporated in the contract document.		
30.	CHECKING OF SUPPLIES AT CONSIGNEE'S END Upon arrival, Supplies shall be checked at consignee's end in the presence of the Purchaser and Supplier's representatives. If for the reasons of economy, or any other reason, the Supplier decides not to nominate his representative for such checking, an advance written notice to this effect shall be given by the Supplier to the consignee prior to or immediately on shipment of stores. In such an event, the Supplier shall clearly undertake that the decision of consignee with regard to quantities and description of the consignment shall be taken, as final and any discrepancy found shall be accordingly made up by the Supplier. In all other cases, the consignee shall inform the Supplier about arrival of consignment immediately on receipt of stores through fax. If no response from the Supplier is received within four (04) working days from initiation of letter through fax, the consignee shall have the right to proceed with the checking without Supplier's representative. Consignee's report on checking of stores shall be binding on the Supplier in such cases.		
31.	QUALITY STANDARDS The equipment and accessories are manufactured and assembled in accordance with international standards. The quality standards compliance certificate is to be submitted with the offer.		
32.	REPEAT ORDER Supplier shall not increase the cost of stores if additional quantity of same item is purchased in next 12 months after commissioning of the equipment. He may however decrease the cost by considering lower market trend.		
33.	RISK PURCHASE In the event of failure on the part of the supplier to comply with the contractual obligations, the contract is liable to be cancelled at the risk and expense of the supplier in accordance with DRP&I-35. The Purchaser shall be entitled to receive back all advance payments made by him along with any other compensation as mutually agreed to offset the Purchaser's risk of cost escalation of meeting same requirement from elsewhere.		
34.	PROJECT MANAGEMENT REVIEW (PMR) MEETINGS The Supplier's key professionals, covering the various technical disciplines shall attend, actively participate and cooperate with the Purchaser's request for meetings without any additional cost, which shall include but not limited to the following meetings: a. Design Review Meetings. b. Progress timeline/ payment bids meetings. c. Any other meetings held in relation to the project.		

35. TENDER SAMPLE

Tender Sample to be provided as per clause 11 of PN Specification under Heading Tender Sample.

- Tender sample to be approved by INS.
- For each contract following material shall be supplied by the manufacturer at time of tendering:

Finished Garment	03 Nos
Fabric	05 Meters
Fused Buckram	01 meter
Button	05 Nos
Sitching Thread	50 Grams
Velcro	0.5 meters
Waist adjustment Tape	02 Nos

Lab testing reports w.r.t PN Specification are to be provided for TSR.

36. WORKMANSHIP AND MATERIALS

a. All work to be done shall be executed in the manner set out in the Contract. Where the manner of manufacture and execution is not set out in the Contract, the work shall be executed in a proper and workmanlike manner in accordance with recognized good practice. The Supplier shall submit for approval of the purchaser, his detailed method statement(s) for the execution of such items of work as may be desired by the Purchaser. Approval of such method statement(s) shall neither relieve the Supplier of his responsibilities under the Contract nor form any basis for claiming additional costs.

b. The Supplier shall give the Purchaser full opportunity to examine, measure and test any work onboard/ Site which is about to be covered up or put out of view. The Supplier shall give due notice to the Purchaser whenever such work is ready for examination, measurement or testing. The Purchaser shall then, unless he notifies the Supplier that he considers it unnecessary, without unreasonable delay carry out the examination, measurement or testing.

37. TERMS OF PAYMENT

100% Contract value of the stores will be paid by the CMA(DP) Rawalpindi to the Suppliers. The amount will be claimed direct from CMA(DP) Rawalpindi on production of the following documents, under a covering letter, a copy of which shall be addressed to DP(NAVY).

- Bill Form (DP-5 in duplicate) to be completed according to inspection.
- Received copy of the Inspection Note/Delivery Receipt.
- Supplier delivery Chalan duly received by the Consignee.
- Copy Registration Certificate of Sales Tax.

Department a. Port payment/Port delivery is allowed.		
10. Special Instructions as Annex C Inspection/Packing/Delivery/terms: (1). Inspection by CNS (2). a. CO PNCSD may order 15% of contracted quantity against DPL-15 to meet urgent/critical requirement. Under intimation to CNS, the firm is required to deliver/supply within 45 days against receipt of such order. Liquidated damages (LD) upto 2% per month are liable to be imposed on the supplier in accordance with DPL-35 for late delivery of stores without any valid reason. b. CNS may draw random samples from the stores received by PNCSD against DPL-15 to ascertain quality. After detailed laboratory analysis, suitable price reduction (PR) as authorized may be applied by CNS for minor deviation/non-conformance from stated PN Specification. In case of major deviation/non-conformance, the stores may be rejected. (3). Inclusion of Instructions Regarding Disposal of Rejected Uniforms. A. Contracted firm will be responsible for proper disposal of rejected clothing stores. same are to be amended/destroyed under supervision of PN authorities to prevent their misuse by terrorists/ anti-social elements. B. In case a supplier intends to sale rejected uniform items in local market, the procurement agency will be approached for approval of sample after suitable alteration of military appearance into civilian fashion after approval. CNS will inspect the bulk stores once again clear the lot for disposal in local market. c. The contractor/ supplier shall submit a certificate/undertaking on firm's letter pad that the firm will be held responsible for any misuse of rejected uniforms. (4). In case firm is unable to get approval of advance sample within 3 months from date of contract, then contract cancellation should be recommended by CNS or CSD. (5). Making of stores in accordance with specification NS/MSC/00260. (6). Firm will give two week clear notice for the inspection. (7). Free delivery to consignee warehouses. (8). As per NHQs instructions promulgated vide NHQ letter ST- P/8314/PNS-04 dated 05 April 2006, rejection of stores supplied by contractors will be dealt as under:		

a. 1st rejection on Govt expense. b. 2nd rejection on supplier's expense c. On 3rd rejection, contract cancellation will be recommended by CNS or CSD. (9) CARE LABEL a. Washing instructions b. Drying instructions c. Ironing instructions d. Any prohibitions (10) Barcode sticker to be attached on each packet containing Jacket Weather Proof. (11) The purchaser will have the flexibility to extend contract up to 03 months and also can order 15% excess of the total contracted quantity, from the supplying firm at the contract price (12) Purchaser is not bound to lift the entire quantity of contract. (13) PACKING As per PN Specification 06/2019 (amendment letter PH/DC/General/5555555 dated 02-05-2024) (copy enclosed)		
39. LIABILITY The supplier shall not be liable under any circumstances to the buyer, its officers, agent, employees, successors and / or assignees, for any special, consequential and / or incidental damage of whatsoever kind or nature, including, without limitation, any loss, cost, damage, loss of revenue or profit or loss of user, incurred or suffered by the buyer or any third party arising out of or in connection with this contract. The foregoing shall not affect buyers right to claim compensation against the supplier for damages suffered by the buyer arising directly from the performance, bad performance or non-performance of the suppliers duties and / or obligations under the contract provided however that the aggregate liability of the suppliers in connection with this contract for any cause whatsoever including indemnity and risk purchase, shall not exceed hundred percent (100%) of the total price actually paid to the supplier under this contract.		
40. CORRUPT GIFTS COMMISSIONS The Supplier shall not: A. Offer or give or agree to give to any person in the service of the Purchaser any gift or consideration of any kind as an inducement or reward for doing or forbearing to do for having done or forborne to do any act in relation to the obtaining or execution of this Contract or for showing or forbearing to show favour or disfavor to any person in relation to this Contract. B. Enter into this or any other Contract with the Purchaser in connection with which commission has been or agreed to be paid by him or on his behalf, or to his knowledge, unless before the Contract is made, particulars of any such commission and of any		

	agreement for the payment thereof have been disclosed in writing to the Purchaser.		
41.	PROJECT SCHEDULE The Contract shall be executed in accordance with the dates in the Project Schedule. In case of delayed performance of any other dates or periods the Supplier shall strive to compensate such overruns in order to finally meet any subsequent binding dates. If by reason of any change order, or of any act or omission on the part of the Purchaser, or any event of force majeure the Supplier shall be delayed in the completion of the Contract then provided that the Supplier shall as soon as reasonably practicable have given to the Purchaser notice of his claim for an extension of time with supporting details, the Purchaser shall on receipt of such notice grant the Supplier an extension of time as may be reasonable.		
42.	CUSTOMS, IMPORT DUTIES, TAXES AND OTHER CHARGES The Purchaser shall pay all applicable customs, import duties, taxes and other charges due on the Equipment payable upon its importation into the country of destination. The Supplier shall pay all taxes, assessments, duties, levies or charges levied in the country of the manufacturer of the Equipment in connection with the supply by the Supplier of Equipment and Services. All amounts stated to be payable by Purchaser pursuant to this Contract exclude any value added tax (VAT), sales tax, service tax, taxes on turnover or similar taxes. If the supply of Equipment or Services hereunder are chargeable to any value added tax, sales tax, service tax, taxes on turnover or similar taxes inside country of destination, and such taxes are not recoverable by the Supplier then such taxes shall be paid and borne by the Purchaser. Purchaser shall pay and bear all other taxes, assessments, duties, levies or charges by whosoever levied in the country of destination of the Equipment. If Purchaser is required by any law to make any deduction or withholding from any amount payable to Supplier under this Contract, then the sum payable in respect of which such deduction or withholding is required to be made shall be increased to the extent necessary to ensure that, after the making of such deduction or withholding, Supplier shall receive (free from any liability in respect of any such deduction or withholding) a net sum equal to the amount which it would have received had no deduction or withholding been required to have been made. Purchaser shall pay any such withholding or deduction to the relevant authority as required by law and shall promptly provide Supplier with an official receipt or certificate in respect of the payment of the withholding or deduction.		

DP-3

Tender No. R2412/330254

Name of the Firm _____
DDPP Registration No. _____
Mailing Address _____
Date _____
Telephone No. _____
Official E-Mail _____
Fax No. _____
Mobile No. of contact person _____

To:

Directorate of Procurement (Navy)
through Bahria Gate Plaza-SMIDG
Center, CDA Market
at Naval Residential Complex
Sector 6-B, Islamabad
Tele : 351-8252314
Email : adp033@pwnavy.gov.pk

Dear Sir, 1. I/We hereby offer to supply to the Director of Procurement (Navy) the stores detailed in schedule to the tender inquiry or such portion thereof as you may specify in the acceptance of tender at the prices offered against the said schedule and further agree that this offer will remain valid up to 120 day and will not be withdrawn or altered in terms of rates quoted and the conditions already stated therein or on before this date. I/we shall be bound by a communication of acceptance to be dispatched within the prescribed time. 2. I/We have understood the instructions to Tenders and General Conditions Governing Contract in Form No. DDPAI (Revised-2019) included in the pamphlet entitled, Government of Pakistan, Ministry of Defence (Directorate General Defence Purchase) "General Conditions Governing Contracts" and have thoroughly examined the specifications/drawings and/ or patterns quoted in the schedule hereto and am/are fully aware of the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements. 3. The following pages have been added to and form part of this tender:

a. _____
b. _____
c. _____

YOURS FAITHFULLY,

(SIGNATURE OF TENDERER)

(CAPACITY IN WHICH SIGNING)

ADDRESS: _____

DATE: _____

SIGNATURE OF WITNESS: _____

ADDRESS: _____

*Individual signing tender and/or other documents connected with a contract must specify:-

- (a) Whether signing as "Sole Proprietor" of the firm or his attorney.
- (b) Whether signing as a "Registered Active Partner" of the firm or his attorney.
- (c) Whether signing for the firm "per procuration".
- (d) In the case of companies and firms registered under the Act, 1913 as amended up-to-date and under the Partnership Act 1860, the capacity in which signing e.g., the Director, Secretary, Manager, Partner, etc. or their attorney and produce copy of document empowering him so to sign, if called upon to do so.
- (e) Principal's proforma invoice (in original)
- (f) Earned money
- (g) Treasury Chalan Form for tender Fees as applicable

NECESSARY DATA FOR ISSUANCE OF CONTRACTS ON EARNEST MONEY

IMPORTANT

Each column must be filled in with BLOCK CAPITAL LETTERS.
Incompletion shall render disqualification.

1. Name : _____
2. Father's Name : _____
3. Address (Residential) :

4. Designation in Firm : _____
5. CNIC : _____
(Attach Copy of CNIC)
6. NTN : _____
(Attach Copy of NTN)
7. Firm's Address :

8. Date of Establishment of Firm : _____
9. Firm's Registration Certificate with FBR/Chamber of Commerce/Registrar of Companies.
(Attach Copy of relevant CERTIFICATE)
10. In case PARTNERSHIP (Attach particulars at serial 1,2,3,4,5 and 6 of each partner)

(Kindly fill in the above form and forward it under your own letter head with contact details)

DPL-18 (WARRANTY)

FIRM'S NAME M/s _____

1. We hereby guarantee that the articles supplied under the terms of this contract are produced new in accordance with approved drawings/specification and in all respect in accordance with the terms of the contract, and the materials used whether or not of our manufacture are in accordance with the latest appropriate standard specifications, as also in accordance with the terms of complete of good workmanship throughout and that we shall replace FORDOP Karachi free of cost every article or part thereof use or in use shall be found defective or not within the limits and tolerance of specifications requirement or in any way not in accordance with the terms of the contract.

2. In case of our failure to replace the defective stores free of cost within a reasonable period, we shall refund the relevant cost FORDOP Karachi (As the case may be in currency in with received).

3. This warranty shall remain valid for 01 Year after the acceptance of stores by the end user.

The signature must be the same as that on the tender/contract, or if otherwise must be shown to be the signature of a person capable of giving a guarantee on behalf of the contractor.

SIGNATURE _____

DATE _____

PLACE _____

**BANK GUARANTEE FOR PERFORMANCE ON
JUDICIAL STAMP PAPER OF RS. 100/- OR
AS SUITABLE TO THE AMOUNT OF BG**

(i) Contract No. _____ dated _____
(ii) Name of Firm/Contractor _____
(iii) Address of Firm/Contractor _____
(iv) Name of Guarantor _____
(v) Address of Guarantor _____
(vi) Amount of Guarantee Rs. _____

(in words)
(vii) Date of expiry of Guarantee _____

To: The President of Islamic Republic of Pakistan through the
Controller of Military Accounts (Defence Purchase) Rawalpindi.

Sir

I, Whereas your good self have entered into Contract No. _____ dated _____
with Messrs _____

(Full Name and Address)

hereinafter referred to as our customer and that one of the conditions of the Contract is
the submission of unconditional Bank Guarantee by our customer to your good self for a
sum of Rs. _____ Rupees/PE (as applicable) _____

2. In compliance with this stipulation of the contract, we hereby agree and undertake as
under: -

a. To pay to you unconditionally on demand and/or without any reference to our Customer
and amount not exceeding the sum of Rs. _____ Rupees or
PE (as applicable) _____ as would be mentioned in
your written Demand Notice.

b. To keep this Guarantee in force till _____

c. That the validity of this Bank Guarantee shall be kept one clear year ahead of the
original/extended delivery period or the warranty of the stores which so ever is later in
duration on receipt of information from our Customer i.e. Mr/s _____
or from your office. Claim, if any must be duly received by us on or before this day. Our
liability under this Bank Guarantee shall cease on the closing of banking hours on the last
date of the validity of this Bank Guarantee. Claim received thereafter shall not be
entertained by whether you suffer a loss or not. On receipt of payment under the
guarantee, this document i.e. Bank Guarantee must be clearly cancelled, discharged and
returned to us.

c. That we shall inform your office regarding termination of the validity of this Bank Guarantee one clear month before the actual expiry date of this Guarantee.

e. That with the consent of our customer you may amend/alter any term/clause of the contract or add/delete any term/clause to/from this contract without making any reference to us. We do not reserve any right to receive any such amendment/alteration or addition/deletion provided such like actions do not increase our monetary liability under this Bank Guarantee which shall be limited only to Rs. _____ (Rupees _____).

f. That the Bank Guarantee herein before given shall not be affected by any change in the constitution of the Bank or Customer/Seller or Vendor.

g. That this an unconditional Bank Guarantee, which shall be encashed on sight on presentation without any reference to our Customer/Seller or Vendor.

Guarantor

Date: _____

(Bank Seal and Signatures)

AFFIDAVIT/UNDERTAKING
(WORTH RS. 100/- ON JUDICIAL STAMP PAPER)

Mr. _____ Authorized signatory/
Partner/MD of M/s _____, do hereby solemnly affirm to DGP
(Army), DP (Navy), DP (Air) and Directorate General Defence Purchase, Ministry of Defence
Production, Rawalpindi that our firm M/s _____ has applied for registration
with Director General Defence Purchase (DGDP) duly completed all the documents required by
registration section on _____ (date) i.e before signing the contract. I certify that the above
mentioned statement is correct. In case it is detected on any stage that our firm has not applied
for registration with Director General Defence Purchase or statement given above is incorrect,
our firm will be liable for disciplinary action initiated (i.e debarring, the firm do business with
other Defence Establishment and Govt Agencies). I also accept that any disciplinary action
taken will not be challenged in any Court of Law.

Station: _____
Date: _____

Signature: _____
Name: _____
Appointment in Firm: _____

ATTESTED BY OATH COMMISSIONER WITH STAMP