

**TENDER SPECIFICATION: JERSEY**

**Specifying Cloth and Quantity**

1. **Name of Item.** Jersey.
2. **Purpose.** This Jersey (One side combat Print and other side Black) will be used during winter season with both Dress-4 (Combat) and Dress no-3 (Working White).
3. **Color.** One Side Combat Print, Another Side-Black (As per tender sample).
4. **Print.** As per tender sample.
5. **Design.** As per tender sample.
6. **Country of Manufacturing.** To be mentioned.
7. **Name of Manufacturing Company & Address.** Bidders have to mention the name & address of the manufacturer. If contract is given, the supplied items have to be of the same manufacturer. Relevant authenticity certificate/manufacturer's certificate must be submitted with the tender documents & supplied items.
8. **Source of Raw Materials.** To be mentioned.
9. **Quantity.** Quantity by size is given below:

| Size         | Quantity (Male) | Quantity (Female) |
|--------------|-----------------|-------------------|
| S            | 1,000           | 200               |
| M            | 3,000           | 200               |
| L            | 3,500           | 100               |
| XL           | 1,500           | 70                |
| XXL          | 390             | 25                |
| XXXL         | 10              | 05                |
| <b>Total</b> | <b>9,400</b>    | <b>600</b>        |

10. **Fabric Layers in Jersey.** There are 03 layers in jersey.
  - a. One side is rip stop Fabric with Combat Print.
  - b. Another side is Black Fabric.
  - c. In between two layers of fabrics 01 layer of Lining fabric (As per tender sample).
11. **Inner Foam (Padding).** As per tender sample.
  - a. Material : 100% Polyester
  - b. GSM: 46%  $\pm$  1% gm
12. **Supporting Fabric (Black).** As per tender sample.
  - a. Material : 100% Polyester
  - b. GSM: 50%  $\pm$  3% gm
13. **Basic Fabrics.**



| Ser | Description               | Combat Fabrics                                   | Black Fabrics  |
|-----|---------------------------|--------------------------------------------------|----------------|
| a   | Material of basic fabrics | Polyester: 50% $\pm$ 3%<br>Cotton : 50% $\pm$ 3% | 100% Polyester |

|            |                                                                                                                                                                          |                                                                                                                        |                                                                                                                                                                                                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| b.         | GSM                                                                                                                                                                      | 200 ±10 gm                                                                                                             | 190±10 gm                                                                                                                                                                                                                                                                                                        |
| <b>Ser</b> | <b>Description</b>                                                                                                                                                       | <b>Combat Fabrics</b>                                                                                                  | <b>Black Fabrics</b>                                                                                                                                                                                                                                                                                             |
| c.         | No of thread per 2.54 cm                                                                                                                                                 | Warp: 115 ± 10<br>Weft: 60 ± 10                                                                                        | Warp: 110±5 gm<br>Weft: 100±5 gm                                                                                                                                                                                                                                                                                 |
| d.         | Count of Yarn                                                                                                                                                            | Warp: 2/45 <sup>s</sup> ± 3 <sup>s</sup><br>Weft: 2/45 <sup>s</sup> ± 3 <sup>s</sup>                                   | Warp: 180±10D<br>Weft: 180±10D                                                                                                                                                                                                                                                                                   |
| e.         | Type of weave                                                                                                                                                            | Ribstop                                                                                                                | 2/2 Twill                                                                                                                                                                                                                                                                                                        |
| f.         | <u>Color Fastness to Wash</u><br>(Method: BS ISO 105 C10 E(5), single test, 4 hours mechanical wash at 95° in 5g soap detergent, 2g sodium carbonate with 10 steel ball) | Grey scale rating: 4-5                                                                                                 | Grey scale rating: 4-5                                                                                                                                                                                                                                                                                           |
| g.         | <u>Color Fastness to light</u><br>(Method: AATCC 16.3) AFU72.                                                                                                            | Grey scale rating 4                                                                                                    | Grey scale rating: 3-4                                                                                                                                                                                                                                                                                           |
| h.         | <u>Color fastness rub</u><br>(Method: ISO 105-X12)                                                                                                                       | Dry rub: 4.<br>Wet rub: 3.                                                                                             | Dry rub: 4.<br>Wet rub: 3.                                                                                                                                                                                                                                                                                       |
| j.         | <u>Color Fastness to perspiration</u><br>(Method: ISO 105-E04)                                                                                                           | Color change: 4<br>Color staining: 4                                                                                   | Color change: 4<br>Color staining: 4                                                                                                                                                                                                                                                                             |
| k.         | <u>Color Fastness to Sea Water</u><br>(Method: ISO 105-E02)                                                                                                              | Grade 3- 4                                                                                                             | Grew: 3-4                                                                                                                                                                                                                                                                                                        |
| l.         | <u>Pilling (Martindale)</u><br>(Method: BS EN ISO 12945-2, 2000 Rev)                                                                                                     | Grade 3-4                                                                                                              | Grade 3-4                                                                                                                                                                                                                                                                                                        |
| m.         | Color Reference                                                                                                                                                          | Grey: 17-3914 TCX<br>Ocean: 19-4316TCX<br>Olive: 19-5004TCX<br>Dark navy: 19-4020TCX                                   | Neutral Black-C                                                                                                                                                                                                                                                                                                  |
| n.         | Used chemical for dye must be:                                                                                                                                           | a. AZO free.<br>b. Formaldehyde free.<br>c. Heavy metal free.                                                          |                                                                                                                                                                                                                                                                                                                  |
| p.         | Outlook of Cloth                                                                                                                                                         | Cloth is to be soft, comfortable spot free and same shade, smooth finish and free from weaving fault and weaving slab. |                                                                                                                                                                                                                                                                                                                  |
| q.         | RIB                                                                                                                                                                      | Rib Cloth                                                                                                              | a. <u>Material Composition</u><br>(1) Cotton: 95± 5%<br>(2) Elastane: 5~10%<br>b. Yarn Count: 18 <sup>s</sup> ± 2 <sup>s</sup><br>c. GSM : 445± 10<br>d. Color: Neutral Black - C                                                                                                                                |
|            |                                                                                                                                                                          | Elastic                                                                                                                | a. <u>Material Composition</u><br>(1) Polyester: 70 ± 5%<br>(2) Elastodiene: 30± 5%<br>b. Color: Neutral Black – C<br>c. <u>Elongation at 1.5 kg</u><br>(1) Warp/ Length: 30% (Maximum)<br>(2) Weft/ Width: 130% (Maximum)<br>(3) Recovered elongation after 1 min relaxation:<br>a. Warp/ Length: More than 95% |

b. Weft/ Width: More than 85%

14. **Description of Zipper.** (YKK Quality).

| a. | Material                | Nylon                    |         |         |          |           |            |
|----|-------------------------|--------------------------|---------|---------|----------|-----------|------------|
|    |                         | All Zipper will be black |         |         |          |           |            |
| b. | Color of Zipper         |                          |         |         |          |           |            |
| c. |                         | Size- S                  | Size- M | Size- L | Size- XL | Size- XXL | Size- XXXL |
| d. | Length of front Zipper  | 60 cm                    | 63 cm   | 66 cm   | 69 cm    | 72 cm     | 75 cm      |
| e. | Length of pocket zipper | 17 cm                    | 17 cm   | 17 cm   | 17 cm    | 17 cm     | 17 cm      |

15. **Sewing Thread.** Use Black color thread. (10/11 sewing for every 2.54 cm)

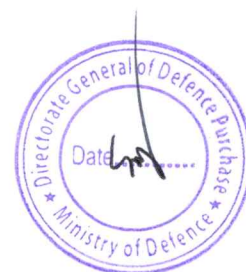
16. **Measurements (Male).**

| S.No | Description                                         | Size- S | Size-M  | Size-L  | Size- XL | Size- XXL | Size- XXXL |
|------|-----------------------------------------------------|---------|---------|---------|----------|-----------|------------|
| a.   | Full Length (A)                                     | 68 cm   | 71 cm   | 74 cm   | 77 cm    | 80 cm     | 83 cm      |
| b.   | Chest (Round) (B)                                   | 124 cm  | 127 cm  | 130 cm  | 134 cm   | 138 cm    | 141 cm     |
| c.   | Shoulder (C)                                        | 49 cm   | 50 cm   | 51 cm   | 53 cm    | 54 cm     | 55 cm      |
| d.   | Arm hold (D)                                        | 27.5 cm | 28.5    | 30 cm   | 31.5 cm  | 33.5 cm   | 35 cm      |
| e.   | Under enclosure in normal (E)                       | 96 cm   | 98 cm   | 100 cm  | 102 cm   | 104 cm    | 106 cm     |
| f.   | Under enclosure in expanded                         | 110 cm  | 114 cm  | 118 cm  | 122 cm   | 126 cm    | 130 cm     |
| g.   | Shoulder to chest joint (F)                         | 20 cm   | 21 cm   | 22 cm   | 23 cm    | 24 cm     | 25 cm      |
| h.   | Shoulder sewing to back side joint (G)              | 14 cm   | 15 cm   | 16 cm   | 17 cm    | 18 cm     | 19 cm      |
| j.   | Front length joint from zipper (H)                  | 12.5 cm | 12.5 cm | 12.5 cm | 12.5 cm  | 12.5 cm   | 12.5 cm    |
| k.   | Front length joint from side (J)                    | 19 cm   | 20 cm   | 21 cm   | 22 cm    | 23 cm     | 24 cm      |
| l.   | Length of front Under enclosure without elastic (K) | 7.5 cm  | 7.5 cm  | 8.5 cm  | 8.5 cm   | 9.5 cm    | 9.5 cm     |
| m.   | Width of Under enclosure elastic (L)                | 6 cm    | 6 cm    | 6 cm    | 6 cm     | 6 cm      | 6 cm       |
| n.   | Length of Under enclosure elastic (M)               | 80 cm   | 82 cm   | 84 cm   | 86 cm    | 88 cm     | 90 cm      |
| p.   | Shoulder Strap                                      |         |         |         |          |           |            |
|      | Full Length (N)                                     | 18 cm   | 18 cm   | 19 cm   | 19 cm    | 20 cm     | 20 cm      |
|      | Width of lower side (P)                             | 6 cm    | 6 cm    | 6 cm    | 6 cm     | 6 cm      | 6 cm       |
|      | Width of upper side (Q)                             | 4 cm    | 4 cm    | 4 cm    | 4 cm     | 4 cm      | 4 cm       |
| q.   | Sleeve length (R)                                   | 60 cm   | 62 cm   | 64 cm   | 66 cm    | 68 cm     | 70 cm      |
| r.   | Sleeve opening normal (S)                           | 11 cm   | 11 cm   | 11 cm   | 11 cm    | 11 cm     | 11 cm      |
| s.   | Sleeve opening extended                             | 18 cm   | 18 cm   | 18 cm   | 18 cm    | 18 cm     | 18 cm      |
| t.   | Width of rib for sleeve (T)                         | 6 cm    | 6 cm    | 6 cm    | 6 cm     | 6 cm      | 6 cm       |
| u.   | Length of rib for collar (U)                        | 37 cm   | 38 cm   | 39 cm   | 40 cm    | 41 cm     | 42 cm      |
| v.   | Width of rib for collar (V)                         | 4.5 cm  | 4.5 cm  | 4.5 cm  | 4.5 cm   | 4.5 cm    | 4.5 cm     |
| w.   | Open length of front pocket (W)                     | 17 cm   | 17 cm   | 17 cm   | 17 cm    | 17 cm     | 17 cm      |
| x.   | Top side of front pocket sewing to body joint (X)   | 10 cm   | 10 cm   | 10 cm   | 10 cm    | 10 cm     | 10 cm      |
| y.   | Lower side of front pocket sewing to body joint (Y) | 5.5 cm  | 5.5 cm  | 5.5 cm  | 5.5 cm   | 5.5 cm    | 5.5 cm     |
| z.   | Lower side of front pocket to Body ending (ZC)      | 13 cm   | 13 cm   | 13 cm   | 13 cm    | 13 cm     | 13 cm      |

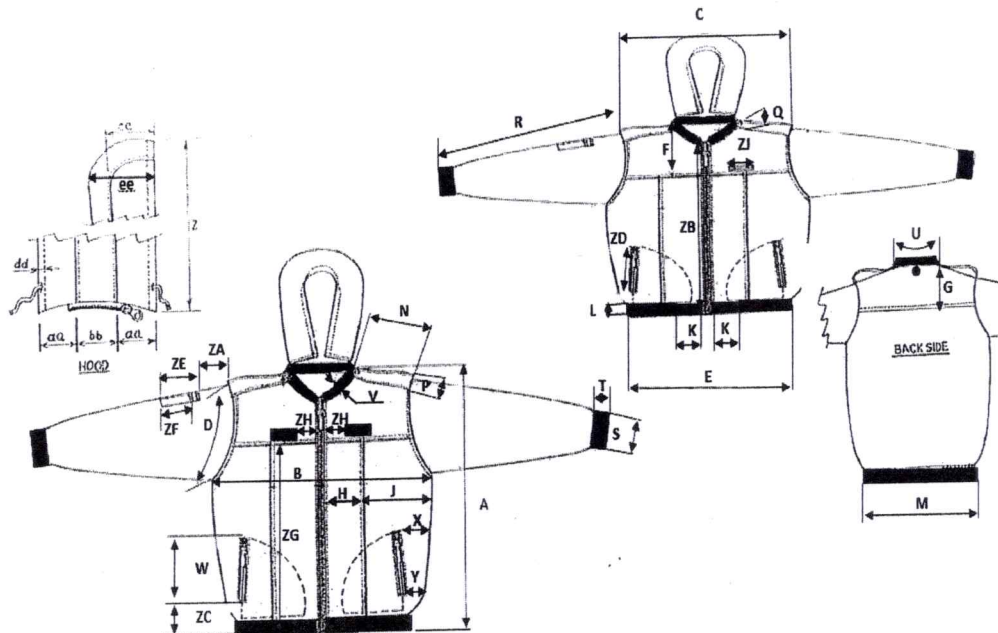
| S.No | Description                                       | Size- S  | Size-M   | Size-L   | Size- XL | Size- XXL  | Size- XXXL |
|------|---------------------------------------------------|----------|----------|----------|----------|------------|------------|
| aa.  | Length of pocket chain (ZD)                       | 17 cm    | 17 cm    | 17 cm    | 17 cm    | 17 cm      | 17 cm      |
| bb.  | Width of front pocket flap                        | 1 cm     | 1 cm     | 1 cm     | 1 cm     | 1 cm       | 1 cm       |
| cc.  | Length of inner pocket of right sleeve (ZE)       | 15 cm    | 15 cm    | 15 cm    | 15 cm    | 15 cm      | 15 cm      |
| dd.  | Length of upper pocket of right sleeve (ZF)       | 12 cm    | 12 cm    | 12 cm    | 12 cm    | 12 cm      | 12 cm      |
| ee.  | Width of right sleeve pocket                      | 11 cm    | 11 cm    | 11 cm    | 11 cm    | 11 cm      | 11 cm      |
| ff.  | Sleeve joint to top of right sleeve pocket (ZA)   | 9 cm     | 9 cm     | 9 cm     | 9 cm     | 9 cm       | 9 cm       |
| gg.  | Zipper length of chest (ZB)                       | 60 cm    | 63 cm    | 66 cm    | 69 cm    | 72 cm      | 75 cm      |
| hh.  | Full length of hood (Z)                           | 40 cm    | 40 cm    | 40 cm    | 40 cm    | 40 cm      | 40 cm      |
| jj.  | Width of lower side's every part of hood (aa)     | 17 cm    | 17 cm    | 17 cm    | 17 cm    | 17 cm      | 17 cm      |
| kk.  | Width of lower side's middle part of hood (bb)    | 13 cm    | 13 cm    | 13 cm    | 13 cm    | 13 cm      | 13 cm      |
| ll.  | Width of topper angle to every parts of hood (cc) | 19.50 cm | 19.50 cm | 19.50 cm | 19.50 cm | 19.50 cm   | 19.50 cm   |
| mm.  | Length from back side of hood                     | 49 cm    | 49 cm    | 49 cm    | 49 cm    | 49 cm      | 49 cm      |
| nn.  | Width of hood (dd)                                | 3 cm     | 3 cm     | 3 cm     | 3 cm     | 3 cm       | 3 cm       |
| pp.  | Length of middle hood (ee)                        | 48 cm    | 48 cm    | 48 cm    | 48 cm    | 48 cm      | 48 cm      |
| qq.  | Chest Velcro size (ZJ)                            | 9 x 2.5  | 9 x 2.5  | 9 x 2.5  | 9 x 2.5  | 9 x 2.5 cm | 9 x 2.5    |
| rr.  | Position of Velcro from central Zipper (ZH)       | 8 cm     | 8 cm     | 8 cm     | 8 cm     | 8 cm       | 8 cm       |
| ss.  | Position of Velcro from Bottom (ZG)               | 47 cm    | 49 cm    | 51 cm    | 53 cm    | 55 cm      | 55 cm      |
| tt.  | Tolerance                                         | ± 1.5 cm |          |          |          |            |            |

17. **Measurements (Female).**

| S.No | Description       | Size- S | Size-M | Size-L | Size- XL | Size- XXL | Size- XXXL |
|------|-------------------|---------|--------|--------|----------|-----------|------------|
| a.   | Full Length (A)   | 74 cm   | 77 cm  | 80 cm  | 83 cm    | 86 cm     | 89 cm      |
| c.   | Shoulder (C)      | 47 cm   | 48 cm  | 49 cm  | 50 cm    | 51 cm     | 52 cm      |
| q.   | Sleeve length (R) | 56 cm   | 58 cm  | 60 cm  | 62 cm    | 64 cm     | 66 cm      |



## 18. Jersey Picture and Measurements.



19. Raw material (Without Import Duty).

Supplier is allowed to import only combat fabric and black fabric.

### Delivery Requirements

## 20. Shipment.

- a. Place of Delivery. The supplier will arrange shipment of item to Chattogram without import duties. Consignee address is as follows:

The Commanding Officer  
Naval Store Depot (NSD)  
New Mooring, Chattogram, Bangladesh

Or

The Officer In-charge  
Naval Store Sub-depot.  
BNS DHAKA  
Namapara, Khilkhet, Dhaka

- b. Country of Shipment. Any port of manufacturing country.

21. Packaging. Every Jersey properly folds and pack into a transparent poly bag. After than make a carton with 10 (Ten) pieces of same size Jersey.

22. Marking. Each Jersey and Carton is to be marked as follows:

- a. Jersey. Each Jersey must have a label inside the pocket which contains followings:

- (1) Production Month and Year
- (2) Size of Jersey



b. **Carton.** Each carton should have following endorsement:

- (1) Name of Item.
- (2) Contract No. and date.
- (3) Consignee's address.
- (4) Supplier's address.
- (5) Size and Quantity in each carton.
- (6) Endorsement of CINS regarding inspection and acceptance (CINS will make endorsement as to inspection and acceptance).

23. **Quality Assurance Certificate (QAC).** An original Quality assurance certificate from the manufacturer should be given with the consignment.

24. **Delivery Schedule.** Jerseys are to be delivered at supplier's cost and risk to consignee as per following delivery schedule:

| Consignee  | Installments | Delivery time after signing the contract | Size  |       |       |       |     |      | Total (No) |
|------------|--------------|------------------------------------------|-------|-------|-------|-------|-----|------|------------|
|            |              |                                          | S     | M     | L     | XL    | XXL | XXXL |            |
| CO NSD Ctg | 01(One)      | 180 days                                 | 1,200 | 3,200 | 3,600 | 1,570 | 415 | 15   | 10,000     |

25. **Warranty.** Supplier is to give warranty certificate with the consignment on firm's letterhead pad which should clearly fulfill following requirements:

- a. 36 months shelf life (from the date of acceptance) against material and color i.e. color and material quality will remain unchanged for 36 months in normal storage condition. If the color becomes faded or material condition deteriorates at any time during the warranty period then supplier is to replace defective cloth free of cost to the buyer.
- b. Contract number should be mentioned on the certificate.

26. **Inspection by CINS.** 2 Stage Inspections:

**1<sup>st</sup> stage.**

- a. CINS will inspect imported fabric on receipt by consignee.

**2<sup>nd</sup> stage.**

- a. CINS will inspect and test Jersey at Factory premises:
  - (1) Quality of material
  - (2) Quantity
  - (3) Design out look.
  - (4) Dimension
  - (5) Laboratory test (as required) to examine compatibility of material of Both Side Usable Jersey with tender specification.
- b. Supplier will bear following cost during inspection:
  - (1) Jersey used for test, if needed.
  - (2) Laboratory testing charge, if any.
  - (3) Labour cost, if any.

26. **Inspection by Consignee.** At the time of delivery consignee will inspect the following:

- a. Packaging
- b. Marking
- c. Quantity
- d. Warranty Certificate
- e. Quality Assurance Certificate
- f. Endorsement of CINS regarding inspection and acceptance.



28. **Supplier Service and Responsiveness.** Supplier must reply to buyer's query within 03 days of raising the query.

29. **Payment.** Payment will be made in BDT as per DGDP regulations.

30. **Liquidated Damage (LD).** LD will apply as per DGDP regulations.

31. **Sample Submission.**

a. Bidder is to submit 05 in number Jersey (Male) of size- S, M, L, XL, XXL, 01 in number Jersey (Female) of size- L and 2 mtr of both fabric (Combat and Black) along with tender offer as sample. Jersey and fabrics used for test is non- returnable.

b. Supplier must provide the certificate of the manufacturer that the sample submitted is produced by the manufacturer in their own factory.

c. When the purchase order is given, the supplier will supply the ordered item from the manufacturer who produced the sample. While delivering the final Product, Certificate to this effect is to be provided by the manufacturer.

31. **Validity of Offer Required.** Tender offer must be valid for 180 days from the date of opening tender.

33. **Price Quotation.** Price is to be quoted in BDT with/without import duties Price as follows:

| Name of Item | Quantity (Nos) | Unit Price (Taka)     | Total Price (Taka)    |
|--------------|----------------|-----------------------|-----------------------|
|              |                | Without import duties | Without import duties |
| Jersey       | 10,000         |                       |                       |

34. **Compliance.** A compliance statement fulfilling all the requirement of the tender is to be submitted for evaluation of the quotations. Stating mere Yes or No will not suffice and detailed description/information as required is to be given. An incomplete compliance statement may attribute to cancellation of the offer. If any clause of this specification does not commensurate with offered jersey, the deviation has to be spelt out clearly.



  
M SARWAR HABIB  
Lt Commander BN  
Staff Officer (NS-2)  
Naval Headquarters  
Banani, Dhaka-1213