

TENDER SPECIFICATION: CLOTH COMBAT FOR DRESS NO-4

Specifying Item and Quantity

1 **Item.** Cloth combat for dress no-4.

2 **Color of digital combat print.**

a. **Color Code:**

S.No	Color	PANTONE® Color Name	PANTONE® Number
1.	Grey	Sharkskin	17-3914 TCX
2.	Deep Ocean	Stargazer	19-4316TCX
3.	Olive	Urban Chic	19-5004TCX
4.	Dark navy	Dark Sapphire	19-4020TCX

b. Color shade will be as per stock sample.

3. **Dye. (Method: ISO/DIS 16373-1).** Vat disperse

4. **Design of the combat Print:** As per approved sample.

5. **Quantity:** 3,00,000 Mtr.

6. **Country of Manufacturing.** China, Japan, South Korea, UK, USA, Turkey.

7. **Name of Manufacturing Company & Address.** To be mentioned

8. **Source of Raw Materials.** To be mentioned.

9. **Composition of Fabric (Method: ISO 1833).**

- a. Polyester: 50% \pm 3%
b. Cotton: 50% \pm 3%.

10. **Count of Yarn (Method:ISO 7211-5).**

- a. Warp Yarn: 45^{s/2} \pm 3^{s/2}
b. Weft Yarn: 45^{s/2} \pm 3^{s/2}

11. **No of thread per 2.54 cm:** (Method: ISO 7211-2).

- a. Warp: 115 \pm 10
b. Weft: 60 \pm 10

12. **Weight /Square Meter:** (Method:ISO 3801-2000): 200 gm \pm 10 gm

13. **Type of Weave:** Plain rib stop (As per approved sample).

14. **Width of Cloth (cm) ISO 2219:** 152 cm \pm 2cm.

15. **Print Quality.** Combat print must be sharp and smooth.



16. Dimensional Stability of Washing (BS EN ISO 0330:2021) Washing condition 4M, at 40°C, 77% TCE Detergent (A) 20% Sodium Perborate and 3% Bleach Activator (TAFD) Solution detergent. 2 kg Loading

Drying Procedure Line dry

Warp(±) 2.0%

Weft(±) 1.0%

17. Tensile Strength (min) Method (ISO :13934-2)

a. Warp way : More than 700N.

b. Weft way : More than 400N.

18. Color Fastness to Wash (Method: BS ISO 105 C10 E(5)). Single test, 4 hour Mechanical wash at 95°C in 5g soap detergent, 2g sodium carbonate with 10 steel ball).

Grey scale rating (Color Change): 4-5

19. Color fastness to light (AATC TM 16.3 AFU72)

Apparatus: Xenon- arc lamp.

Rating: 4.

20. Color fastness rub: (Method: ISO 105-X12)

a. Dry rub Length: 4. Width: 4

b. Wet rub Length: 3. Width: 3

21. Color Fastness to perspiration (Method: ISO 105-E04:2013)

a. Color change rating: 4

b. Color staining rating: 4

22. Color Fastness to Sea Water (Method: ISO 105-E02). Grade :4

23. Pilling Resistance (Method: BS EN ISO 12945-2, 2000 Rev). Grade: 4

24. Maximum width of Selvage. 1.5 cm.

25. Used chemical for dye must be:

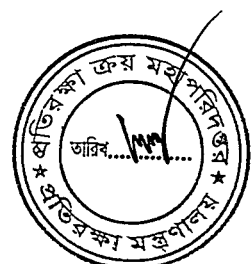
a. AZO free.

b. Formaldehyde free.

26. Outlook of Cloth: Cloth is to be soft, comfortable spot free and same shade, smooth finish and free from weaving fault and weaving slab, Same as approved sample.

Delivery Requirements

27. Length of Cloth in Each Roll (Thaan). Cloth is to be supplied in 134.55 meter roll. Pieces of cloth less than 134.55 meter will be accepted as the multiplication of 3.45 meter but piece less than 13.8 meter will not be accepted.



28. **Packaging**

a. **Roll:** Following marks are to be printed on one selvage (paar) of each roll at an interval of not more than 02 (two) meters:

- (1) Supplier's name.
- (2) Production month and year.
- (3) Bangladesh Navy.
- (4) Contract/purchase order no.

b. **Bale:** Following marks are to be endorsed on each bale with indelible ink:

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

29. **Pre Shipment Inspection (PSI) & Factory Acceptance Test (FAT):**

a. Pre-Shipment inspection (PSI) & Factory Acceptance Test (FAT) will be carried out by a team of two (02) BN Officer for a duration of Seven (07) days excluding journey period, at the buyer's expense (**including cost of both way airfare, accommodation and food for BN team**). All types of movement/transportation (air, sea, road, rail) of the BN team within the manufacturer/supplier's country, reception and arrangement for entry in to the country/concerned area for the PSI & FAT team are to be arranged by the supplier without any extra cost.

b. After completion of 1st Installment the supplier should inform the buyer/DGDP about the date and schedule of PSI & FAT at least 08 (eight) weeks prior to the date of commencement of the PSI & FAT **including the test procedure that will be carried out during PSI & FAT**. After PSI & FAT a joint inspection report will be prepared and signed by both the seller and buyer's representatives at PSI & FAT premises.

c. The PSI & FAT will be carried out at the manufacturer's/ principal's factory premises. During PSI & FAT the supplier will provide all required materials/test equipment to carry out PSI & FAT without any extra cost. Detailed demonstration of equipments and parts/spares will be carried out by manufacturer.

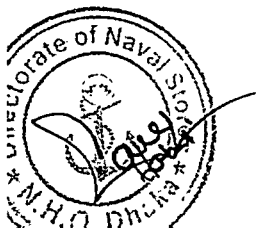
d. On completion of PSI & FAT and return from the country of PSI & FAT, the BN team will submit their report to NHQ (concerned directorate). NHQ will, in turn, forward final decision along with PSI & FAT report, basing on which DGDP will render clearance for shipment of stores to the supplier concerned. The supplier will not make shipment of any goods/equipment of the contract without clearance from the DGDP.

30. **Shipment and Delivery**

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

The Commanding Officer
Naval store depot (NSD)
New mooring, Chattogram, Bangladesh

Country of Shipment: Any port of manufacturing country.



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

Consignee	Installment	Delivery time after signing the contract	Quantity (Mtr)
CO NSD Ctg	1 st Installment	120 days	1,00,000
	2 nd Installment	150 days	1,00,000
	3 rd Installment	180 days	1,00,000
	Total		3,00,000

32. **Warranty:** Supplier is to give warranty certificate for cloth blue digital combat for dress no- 4 which should clearly fulfill following requirements:

a. 36 (thirty six) month Shelf life (from the date of acceptance) against material and color i.e. color and material quality will remain unchanged for 36 month in normal storage condition. If the color becomes faded or material condition deteriorates or any defective item is detected at any time during the warranty period then supplier is to replace defective cloths free of cost to the buyer.

33. **Quality Assurance Certificate:** Quality assurance certificate from the manufacturer is to be given along with the consignment.

34. **Factory/Manufacturer Certificate.** Relevant factory/manufacturer Certificate is to be submitted during delivery of items.

35. **Inspection by CINS.**

a. CINS will inspect and test cloth blue digital combat for dress no-4 at NSD ctg as follows:

- (1) Quality of material.
- (2) Quantity.
- (3) Design and outlook.
- (4) Laboratory test (as required) to examine compatibility of material of cloth with contract specification.

b. Supplier will bear following cost during inspection:

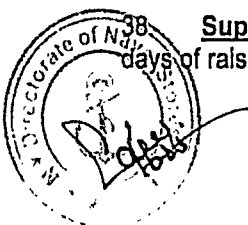
- (1) Cloths used for test, if any.
- (2) Laboratory testing charge, if any.
- (3) Labour cost, if any.

36. **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.
- d. Endorsement of CINS as to inspection and acceptance.

37. **Shade Card:** Supplier will submit batch wise shade card during delivery. Shade Batch number should be mentioned roll wise in packing list.

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



39. Payment Price of each installment will be paid after delivery and acceptance as per schedule

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

41. Sample Submission

a. Bidder is to submit 08 meter cloth along with tender offer as sample. Cloth will be used for test and non- returnable.


b. Supplier must provide the certificate for the manufacturer that the sample submitted is produced by the manufacturer in their own factory. They will supply the ordered item from the same manufacturer who produced the sample.

42. Validity of Offer Required. 180 days from the date of opening tender.

43. Price Quotation. Price is to be quoted without import duties. Price is to be quoted in BDT as follows:

Item	Deno	Qty	Unit Price (Taka)	Total Price (Taka)
			Without import duties	Without import duties
Cloth combat for dress no-4	Mtr	3,00,000		

44. 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 cloth combat for dress No-4. The deviation has to be spelt out clearly.


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