

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 tender sample.

3. **Dye. (Method: ISO/DIS 16373-1).** Vat disperse4. **Design of the combat Print.** As per tender sample.5. **Quantity.** 3,00,000 Mtr.6. **Country of Manufacturing.** Bangladesh, China, Japan, South Korea, UK, USA, Turkey.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. **Composition of Fabric (Method: ISO 1833)**

- a. Polyester : 50% ± 3%
b. Cotton : 50% ± 3%.

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

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

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

- a. Warp : 115 ± 10
b. Weft : 60 ± 10

12. **Weight /Square Meter.** (Method:ISO 3801-2000): 200 gm ± 10 gm13. **Type of Weave.** Plain rib stop (As per tender sample).14. **Width of Cloth (cm) ISO 2219.** 152 cm ± 2cm.**Print Quality.** Combat print must be sharp and smooth.

16. **Dimensional Stability of Washing (BS EN ISO 6330:2021).** Washing condition 4N, at 40°C, 77% ECE Detergent (A) 20% Sodium Perborate and 3% Bleach Activator (TAED) Solution detergent, 2 kg Loading.

Drying Procedure: Line dry

- a. Warp : (±) 2.0%.
- b. 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 tender sample.

Delivery Requirements

27. **Length of Cloth in Each Roll (Than).** 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 regarding 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 total Five (05) 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 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. 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. 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. Supplier will also bear all testing cost (if required) during PSI/FAT.

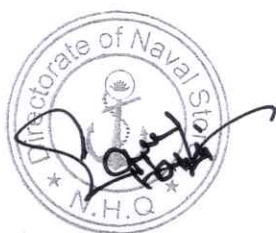
d. On completion of PSI & FAT and return from the country of PSI & FAT, the BN team will submit their report to NHQ (concerned directorate). NHQ will, in turn, forward final decision along with PSI & FAT report, basing on which DGDP will render clearance for shipment of stores to the supplier concerned.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

30. **Shipment and Delivery.**

a. **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

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



31. **Delivery Schedule.** Cloths 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 with the consignment on firm's letterhead pad 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.

b. Contract number should be mentioned in the certificate.

33. **Quality Assurance Certificate.** An original Quality assurance certificate from the manufacturer should be given 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 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.
- f. Endorsement of CINS regarding 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 used for lab 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.

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

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

Item	Deno	Qty	Unit Price (Taka)	Total Price (Taka)
			With/ Without import duties	With/ 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.




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