

TENDER SPECIFICATION: CLOTH CAMOUFLAGE FOR SWADS**Specifying Item and Quantity**

1. **Item.** Cloth Camouflage for SWADS.
2. **Design of the digital combat Print.** As per tender sample.
3. **Print Quality.** Combat print must be sharp and smooth.
4. **Outlook of Cloth.** Cloth is to be spot free, of same shade, smooth finish and free from weaving fault and weaving slab.
5. **Quantity.** 20,000 mtr.
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. **Color of digital combat print.**

a. **Color Code.**

S.No	Color	PANTONE® Color Name	PANTONE® Number
1.	Green	Pine Grove	19-5406 TCX
2.	Gray	Folkstone Gray	18-3910TCX
3.	Black	Swatch Card	19-4004TCX

- b. Color shade will be as per tender sample.

9. **Material (Method: ISO 1833, Part-7).**

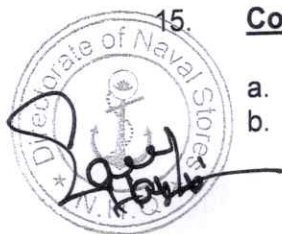
- a. Nylon : 50 ± 3%.
- b. Cotton: 50 ± 3%.

10. **Type of Weave.** 1/1 Plain Rip Stop (As per tender sample.).11. **Dye (Method: ISO/DIS 16373-1).** Vat, disperse.12. **Width of Fabric (Method: ISO 22198).** 152 cm ± 3 cm.13. **Weight /Square Meter in gm.** 200 gm ± 10 gm.14. **No of thread per 2.54 cm (Method: BS EN ISO 7211-2).**

- a. Warp : 95 ± 5.
- b. Weft : 60 ± 5.

15. **Count of Yarn (Method: BS EN ISO 7211-2).**

- a. Warp Yarn : 2/45^s ± 5^s.
- b. Weft Yarn : 2/45^s ± 5^s.



16. **Color Fastness to Wash (Method: BS ISO 105 C10 E 5).** Single test, 4 hours mechanical wash at 95° in 5g soap detergent, 2g sodium carbonate with 10 steep balls).
Color change: 4.
17. **Color fastness rub (Method: ISO 105-X12).**
a. Dry rub: 4.
b. Wet rub: 3.
18. **Color Fastness to light (Method: AATCC TM 16.3 AFU72).** Rating 4.
19. **Color Fastness to perspiration (Method: ISO 105 -E04).** Gray scale rating 4.
20. **Pilling Martindale (Method: BS EN ISO 12945-2, 2000 Rev).** Grade 3-4.
21. **Dimensional Stability of Washing (Method: ISO 6330).** Wascator washing machine- from-loading horizontal rotating drum type, test program 6N at 60° c with 2 kg load, in no phosphate without optical brightener reference detergent 3, followed by tumble dry.
a. Warp : (±) 2.0%.
b. Weft : (±) 2.0%.
22. **Maximum width of Selvage.** 1.5 cm.
23. **Used chemical for dye must be.**
a. AZO free.
b. Formaldehyde free.
c. Heavy metal free.

Delivery Requirements

24. **Length of Roll (Than).** Cloth is to be supplied in 103.80 meter roll. Piece(s) of cloth less than 103.80 meter will be accepted as the multiplication of 3.46 meter but cloth less than 17.30 meter will not be accepted.
25. **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).



26. **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.

27. **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	01	180 Days	20,000

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

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

a. 24 (Twenty four) months shelf life (from the date of acceptance) against material and color i.e. color and material quality will remain unchanged for 24 months 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.

30. **Quality Assurance Certificate.** An original Quality assurance certificate from the manufacturer should be given with the consignment.

31. **Inspection by CINS.**

a. CINS will inspect Cloth Camouflage for SWADS 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 Product with tender specification.

b. Supplier will bear following cost during inspection:

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

32. **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.



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

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

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

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

37. **Sample Submission.**

a. Bidder is to submit 06 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.

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

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

Item	Deno	Qty	Unit Price (Tk)	Total Price (Tk)
			without import duties	without import duties
Cloth Camouflage for SWADS	Mtr	20,000		

40. **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 Camouflage for SWADS, the deviation has to be spelt out clearly.




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