

RESTRICTED

INSPECTORATE OF GENERAL STORES & CLOTHING
DHAKA CANTONMENT

SPECIFICATION NO: IGS & C/CLO/1031 DT: 20 NOV 2017 DRG NO: BD-GS-PD-1717

VOCAB SECTION: CC

CAT/PART NO: NIV

NOMENCLATURE: TRACKSUIT COMPLETE FOR JCO & OR-FEMALE

((In supersession of previous specification no IGS&C/CLO/1000 & Drg no BD-GS-PD-1695 Dt. 17 Apr 2017))

Basic Cloth

Name of Components		Material
a.	Basic Cloth	100% Polyester (Knitted)

Additional Other Materials

Name of Components		Material
a.	Collar	100% Polyester (Knitted)
b.	Piping cloth	100% Polyester (Knitted)
c.	Zipper	Nylon (Good quality)
d.	Toggle (Used in Jacket)	Nylon (Green)
e.	Draw-string (Used in Jacket)	Nylon (Green)
f.	Elastic	Rubber (White)
g.	Cord (Used in waist of Trouser)	Nylon (Green)
h.	Bangladesh army monogram (Border, sword, shapla & letters)	Golden polyester/nylon threads.

Sewing Threads

Name of Components		Material
a.	Jacket & Trouser	100% Polyester (Green)

Parameters of Components

Name of Components		Chemical/Physical Properties	Visual Properties
a.	Basic Material	100% Polyester	Naps, slabs, weaving defects free.
b.	Type of weave	Knitted (Interlock)	-
c.	Wt/sq metre in gm	230±5 gm	-
d.	No of wales/2.54 cm	44/45 nos	-
e.	No of course/2.54 cm	48/49 nos	-
f.	Resistance to pilling (10000 Cycle)	Grading scale 4/5	-
g.	Resistance to abrasion (10000 Cycle)	Grading scale 4/5	-
h.	<u>Shrinkage Percentage (ISO 7771)</u>		-
	(1) Length wise	2% (Max)	-
	(2) Width wise	2% (Max)	-

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Name of Components		Chemical/Physical Properties	Visual Properties
j.	Tensile Strength in kg (50mm×200 mm) (ISO 13934-1)		-
	(1) Wales wise	82+2 Kg	-
	(2) Course wise	56+2 Kg	-
k.	Wt/meter of elastic	28+1gm	-
l.	No of strand of elastic	30+1 nos Double	-
m.	Color of body cloth & Zipper	Pantone code 19-5232 TCX	Green
n.	Color of Army monogram	Pantone code 14-1045 TCX	Golden
p.	Color of zipper, collar, sleeve & piping	Pantone code 19-1762 TCX	Red
q.	Feel & finishing	-	Cloth must be smooth & soft
r.	Washing test no-2 & 4 (ISO 105-C02, C04)	Grey scale rating 4	-
s.	Dye-fastness to Sunlight Test (By machine)- 72 hrs. (ISO 105-B02)	Grey scale rating 4	-
t.	Dye-fastness to Sunlight Test (By weather)- 72 hrs. (ISO 105-B01)	Grey scale rating 4	-

5 **Dimensional Measurements**

Description		Size/Dimension				
Measurement of Jacket		SMALL (4'11" - 5'1")	MEDIUM (5'2"-5' 3")	LARGE (5'4"- 5'5")	XL (5'6"-5'7")	XXL (Above 5'7")
a.	Length of body (shoulder to bottom) (A)	64.0 cm	66.0 cm	68.0 cm	70.0 cm	74.0 cm
b.	Round chest 1.0 cm apart from arm hole joint. (B)	98.0 cm	102.0 cm	106.0 cm	108.0 cm	112.0 cm
c.	Length of shoulder	42.0 cm	43.0 cm	44.0 cm	45.0 cm	46.0 cm
d.	Length of sleeve (Red) including cuff (C)	52.0 cm	54.0 cm	56.0 cm	58.0 cm	60.0 cm
e.	Width of sleeve at the middle (D)	16.5 cm	17.5 cm	18.5 cm	19.5 cm	20.5 cm
f.	Depth of arm hole (E)	20.0 cm	22.0 cm	24.0 cm	26.0 cm	28.0 cm
g.	Width of cuff (F)	5.50 cm	5.50 cm	5.50 cm	5.50 cm	5.50 cm
h.	Length of round cuff (G)	Red- 16.0 cm Green- 10.5 cm	Red- 16.0 cm Green- 10.5 cm	Red- 16.0 cm Green- 10.5 cm	Red- 16.0 cm Green- 10.5 cm	Red- 16.0 cm Green- 10.5 cm
i.	No of green stripe at sleeve	03 Nos	03 Nos	03 Nos	03 Nos	03 Nos
j.	Width of each green stripe	01 cm	01 cm	01 cm	01 cm	01 cm
k.	Distance between two green stripe	01 cm	01 cm	01 cm	01 cm	01 cm
m.	Layer of cloth at cuff	02 Layer	02 Layer	02 Layer	02 Layer	02 Layer



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Description		Size/Dimension				
Measurement of Jacket		SMALL	MEDIUM	LARGE	XL	XXL
n.	Length of collar (Red) at top	36.0 cm	38.0 cm	40.0 cm	42.0 cm	44.0 cm
p.	Length of collar (Red) at bottom	39.0 cm	41.0 cm	43.0 cm	45.0 cm	47.0 cm
q.	Width of collar (Red) at ends	9.0 cm	9.0 cm	9.0 cm	9.0 cm	9.0 cm
r.	Width of collar (Red) at middle	10.0 cm	10.0 cm	10.0 cm	10.0 cm	10.0 cm
s.	Length of round bottom (H)	104.0 cm	106.0 cm	108.0 cm	110.0 cm	114.0 cm
t.	Width of hem at round bottom (J)	2.50 cm	2.50 cm	2.50 cm	2.50 cm	2.50 cm
u.	No of stitching row at round bottom	2 nos	2 nos	2 nos	2 nos	2 nos
v.	Size of drawstring (elastic) at round bottom (Length x Dia)	50.0 x 0.80 cm (double)	52.0 x 0.80 cm (double)	54.0 x .80 cm (double)	56.0 x 0.80 cm (double)	58.0 x .80 cm (double)
w.	No of Toggle used at drawstring	2 nos	2 nos	2 nos	2 nos	2 nos
x.	Length of zipper (Red)	64.0 cm	66.0 cm	68.0 cm	70.0 cm	72.0 cm
y.	Width of zipper flap at inner side	4.50 cm	4.50 cm	4.50 cm	4.50 cm	4.50 cm
z.	No of side pocket	2 nos	2 nos	2 nos	2 nos	2 nos
aa.	Length of opening part of pocket (K)	15.0 cm	15.0 cm	15.0 cm	15.0 cm	15.0 cm
bb.	Welt at pocket	0.70 cm	0.70 cm	0.70 cm	0.70 cm	0.70 cm
cc.	Total Weight of Jacket	405 $\pm$ 20 gm	425 $\pm$ 20 gm	445 $\pm$ 20 gm	465 $\pm$ 20 gm	485 $\pm$ 20 gm
Measurement of Bangladesh Army Monogram						
a.	Distance of cross point of two sword (Monogram) from top of shoulder (L)	19.0 cm	19.0 cm	19.0 cm	19.0 cm	19.0 cm
b.	Distance of cross point of two sword (Monogram) from zipper (M)	9.0 cm	9.0 cm	9.0 cm	9.0 cm	9.0 cm
c.	Dia of Monogram (N)	5.80 cm	5.80 cm	5.80 cm	5.80 cm	5.80 cm
d.	No of Monogram	01 no (left side)	01 no (left side)	01 no (left side)	01 no (left side)	01 no (left side)
e.	Size of base plate (Bangladesh Army)	7.0 x1.0 cm	7.0 x1.0 cm	7.0 x1.0 cm	7.0 x1.0 cm	7.0 x1.0 cm
f.	Height of letter (Bangladesh Army)	0.60 cm	0.60 cm	0.60 cm	0.60 cm	0.60 cm
g.	Height of Shapla	1.50 cm	1.50 cm	1.50 cm	1.50 cm	1.50 cm
h.	Width of Shapla	2.40 cm	2.40 cm	2.40 cm	2.40 cm	2.40 cm
j.	Width of Golden Border & Sword	0.40 cm	0.40 cm	0.40 cm	0.40 cm	0.40 cm



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Description		Size/Dimension				
Measurement of Trouser		SMALL	MEDIUM	LARGE	XL	XXL
a.	Overall length (A)	91.0 cm	94.0 cm	97.0 cm	100.0 cm	103.0 cm
b.	Length of round waist (Normal) (B)	64.0 cm	66.0 cm	68.0 cm	70.0 cm	72.0 cm
c.	Length of round waist (Stretched)	104.0 cm	108.0 cm	112.0 cm	116.0 cm	120.0 cm
d.	Body rise (C)	64.0 cm	66.0 cm	68.0 cm	70.0 cm	72.0 cm
e.	Length of inside leg (D)	66.0 cm	68.0 cm	70.0 cm	72.0 cm	74.0 cm
f.	Width of inside leg at middle (E)	49.0 cm	50.0 cm	51.0 cm	52.0 cm	53.0 cm
g.	Fork point (one side) (F)	63.0 cm	65.0 cm	67.0 cm	69.0 cm	71.0 cm
h.	Length of round bottom of leg hole (G)	37.0 cm	38.0 cm	39.0 cm	40.0 cm	41.0 cm
j.	Width of welt at leg hole (H)	2.5 cm	2.5 cm	2.5 cm	2.5 cm	2.5 cm
k.	Size of elastic at waist (LxW)	64 x 5.0 cm	66 x 5.0 cm	68 x 5.0 cm	70 x 5.0 cm	72 x 5.0 cm
l.	No of stitching row at waist	4 Nos	4 Nos	4 Nos	4 Nos	4 Nos
m.	Size of drawstring (Normal)	140 x 1.5 cm	150 x 1.5 cm	160 x 1.5 cm	170 x 1.5 cm	180 x 1.5 cm
n.	No of side pocket	2 Nos	2 Nos	2 Nos	2 Nos	2 Nos
p.	Length of opening part of pocket (J)	14.50 cm	14.50 cm	14.50 cm	14.50 cm	14.50 cm
q.	No of red strip at outside of both leg	3 nos	3 nos	3 nos	3 nos	3 nos
r.	Width of each red stripe	1.0 cm	1.0 cm	1.0 cm	1.0 cm	1.0 cm
s.	Distance between two red stripe	1.0 cm	1.0 cm	1.0 cm	1.0 cm	1.0 cm
t.	No of stitching row at bottom leg hole	2 nos	2 nos	2 nos	2 nos	2 nos
u.	Total Weight of Trouser	380± 20 gm	400± 20 gm	420± 20 gm	440± 20 gm	460± 20 gm

6 **Packing Material**

Packing	Material	Properties
Individual packing	Polyethylene	Transparent and Self-adhesive.
Box carton	Good quality corrugated paper carton	9 ply. Securing with two Poly band strap (width wise)

Packaging: Each set of Tracksuit (Jacket & Trouser) to be put in a proper size self adhesive transparent water proof bag with two big size naphthalenes. Such 20 sets of Tracksuit (Jacket & Trouser) should be packed in a 9 ply good quality proper size corrugated paper carton. The carton should be secured with two Poly band strap (width wise).

Drop Test. Carton used for packing should be high quality. The carton should not fail in drop test with required no of products in it. Drop test to be done from two meters height thrice in any direction.



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7. Marking

Item	Marking		Size & Material	Remark
Store (Cloth Label) A label with details of marking, washing, drying & ironing instruction to be stitched inside the collar.	For central purchase Bangladesh Army Name of store & Size Name of Supplier Cont No & Dt Month & Year of production	For local purchase Bangladesh Army LP-COD Name of store & Size Name of Supplier Purchase order No & Dt Month & Year of production	1. Label Material- polyester 2. Clearly visible size	Details of label should be printed by black ink.
Carton (front side)	Bangladesh Army Name of store & Size Name of Supplier name & address Cont No & Dt Month & Year of production.		Clearly visible size	
Carton (rear side)	Consignee name: Address:		Clearly visible size	

8. Samples

Sample Type	Quantity/Remarks
Approve Sample	Product must be new & as per Approved sample held in IGS&C, Dhaka cantt.
Tender Sample (Complete/Material)	02 (Two) sets of complete sample of any size from participated sizes (Preferably from commonly used size 2 & 3) and 03 (Three) metre basic & 1/2 meter piping cloth to be submitted as Tender sample.
Advance Sample	02 (Two) sets (each size) of complete sample with packing material to be submitted as Advance sample.
Advice Sample (If necessary)	02 (Two) sets (each size) of complete sample to be submitted as Advice sample.
BR Sample	Necessary quantity of BR sample will be collected for lab test & visual test.

9. **Condition of Test.** If any sample (Tender, Advance & BR) can not be tested by IGS&C then those should be tested at any internationally reputed laboratory in Bangladesh. The Supplier should pay tests cost as per DP-35 sub para-12 (A & B).

10. **Stage Inspection.** Stage inspection of basic material (cloth) will be carried out before Bulk production (if basic material i.e cloth produced at any Bangladeshi factory).

11. **Quality Control Certificate/Quality Inspection by Supplier.** Supplier to provide a certificate (Along with all challan) that they have carried out a comprehensive quality inspection at their end and they are fully confirmed and satisfied about the following:

- Products are produced/manufactured as per specification.
- Products are tested/inspected as per the specified testing mentioned in this specification and found correct.



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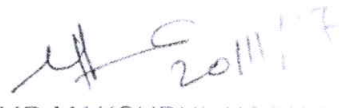
12. **Warranty/Guarantee.** The warranty/guarantee period of the store will be 03 (Three) years from the issue of Inspection Note by IGS&C. In this regards the manufacturer/supplier should provide a warranty/guarantee certificate regarding durability of the supplied stores. If supplied stores found defective within 12 (Twelve) months during storage or practical use (Under normal use with standard maintenance), then defective stores should be replaced by the manufacturer/supplier at their own cost within 30 (Thirty) days as the case arises.

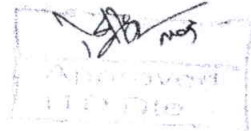
13. **Advance Sample & Bulk Representative (BR) Sample.** Sample should be submitted free of cost for lab & visual tests (As per sub para 12 d (ii) & 12 c (i & ii) of DP-35).

14. **Note**

- Make, shape, design and other details must be as per specification, drawing and approved sample held in IGS&C.
- Inner side of cuff, round bottom, zipper plate, round waist & allowance portion of each joint should be over locked as per approved sample held in IGS&C.
- Quality of piping cloth used with Jacket & Trouser must be similar with body cloth.
- Pocket of Jacket should be attached with bottom portion & zipper plate by a tape at inner side.
- Good quality Zipper must be used (YKK or Equivalent Brand).
- Bangladesh Army Monogram should be embroidered by golden polyester/nylon threads (Good quality).
- Color of Sewing thread used in jacket & trouser must be green (Same as color of main fabric).
- Stitching at cuff, round bottom & round waist must be done by "Kansai or Equivalent Machine".
- Leg hole of bottom should be stitched by flat lock machine.
- Color of cord used with trouser must be green (Same as the color of trouser's fabric).

Recommend by

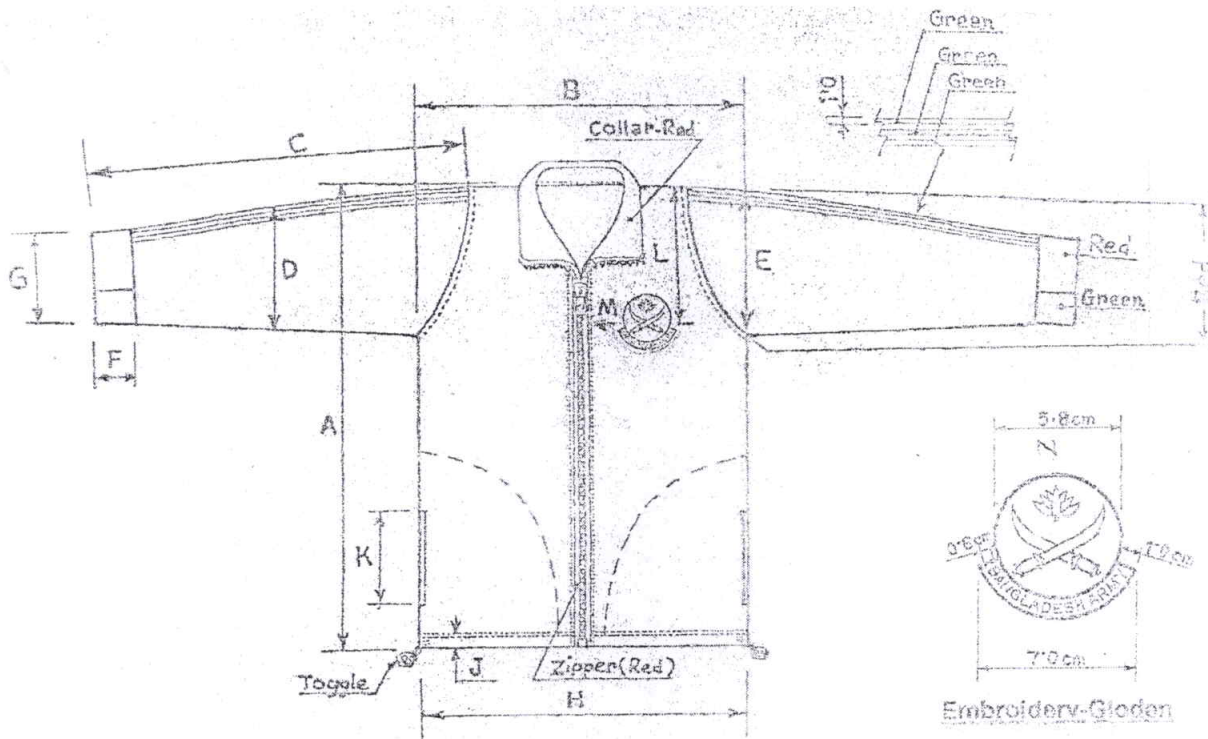

MD MAKSUDUL HAQUE
Col
Chief Inspector



APPROVED BY

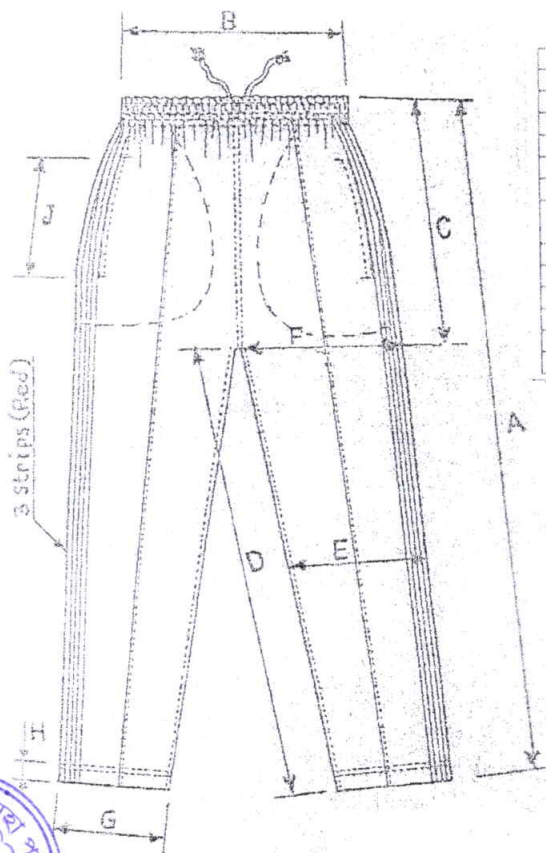
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MEASUREMENT SHOWN IN CM-JACKET

DIM	SMALL	MEDIUM	LARGE	XL	XXL
A	64.0	66.0	68.0	70.0	74.0
B	98.0	102.0	106.0	108.0	112.0
C	52.0	54.0	56.0	58.0	60.0
D	16.50	17.50	18.50	19.50	20.50
E	20.0	22.0	24.0	26.0	28.0
F	5.50	5.50	5.50	5.50	5.50
G	Red-16.0 Green-10.5	Red-16.0 Green-10.5	Red-16.0 Green-10.5	Red-16.0 Green-10.5	Red-16.0 Green-10.5
H	104.0	106.0	108.0	110.0	114.0
J	2.50	2.50	2.50	2.50	2.50
K	15.0	15.0	15.0	15.0	15.0
L	19.0	19.0	19.0	19.0	19.0
M	9.0	9.0	9.0	9.0	9.0
N	5.80	5.80	5.80	5.80	5.80



MEASUREMENT SHOWN IN CM-TROUSER

DIM	SMALL	MEDIUM	LARGE	XL	XXL
A	91.0	94.0	97.0	100.0	103.0
B	64.0	66.0	68.0	70.0	72.0
C	64.0	66.0	68.0	70.0	72.0
D	66.0	68.0	70.0	72.0	74.0
E	49.0	50.0	51.0	52.0	53.0
F	63.0	65.0	67.0	69.0	71.0
G	37.0	38.0	39.0	40.0	41.0
H	2.5	2.5	2.5	2.5	2.5
J	14.50	14.50	14.50	14.50	14.50

MATERIAL : 100% POLYESTER

DRAWN BY	RECOMMENDED BY
COMPARED BY	APPROVED BY
CHECKED BY	DATE

TITLE:

TRACKSUIT COMPLETE FOR JCO

