

OFFICE OF THE COMMANDANT: 1st BN NDRF, PATGAON, GUWAHATI-17 (ASSAM).

Tender No: Prov/1st NDRF/Tender/Dungaree Orange /2016/ 12523-37 Dated, the 19 2016

LIMITED TENDER NOTICE

Sealed Tenders are hereby invited by **The Commandant, 1st Bn NDRF**, Patgaon, Post: Azara, Guwahati-17 (Assam) on behalf of the President of India for procurement of 200 Nos. **Dungaree Orange Colour (Operational Uniform)** for National Disaster Response Force stationed at BSF Campus, Patgaon. Estimated cost of stores is Rs. 2,00,000/- (Rupees Two Lakh) only.

SPECIFICATION OF DUNGAREE ORANGE COLOUR (OPERATIONAL UNIFORM).

SCOPE.

1. The specification prescribes the requirement of “Dungaree Orange” herein referred as “Dungaree” made of Polyamide 66 and Cotton (PA-66 : C) blended material.
2. This specification does not specify general appearance; feel etc of the “Dungaree”.

MANUFACTURE AND FINISH.

1. The cloth shall have Rip stop weave (IS 13510:2000). It shall be made from uniform blend of 50% Polyamide 66 and 50% Cotton. The selvedges shall be firm and straight. The cloth shall be well singed. The fabric shall be ‘Heat set’ and fully shrunk. The blend composition of the cloth shall conform to the requirements given in the Table 5.
2. Retro reflective material: The “Dungaree” shall have band of retro reflective material. The shirt portion of “Dungaree” shall have one band of retro- reflective material encircling the torso. It should also have bands of retro- reflective material joining the torso band from the front to the back over each shoulder. The trouser portion of “Dungaree” shall have two bands of retro-reflective material (50 ± 2 mm apart). The fist band shall start 50 ± 2 mm above the bottom edge. For more clarification, see the photo enclosed of front and back side of Dungaree.
3. Design and shape of the “Dungaree Orange Colour” shall be as per photo enclosed of front and back side of Dungaree.
4. NDRF INDIA should be embroidered with white colour on back & front Right pocket as shown in the photo enclosed.
5. NDRF monogram should be embroidered on pockets of both arm and front left pocket as shown in the photo enclosed

STITCHING.

Lock stitch having at least 4 stitches per cm shall be employed for assembling the “Dungaree”. The stitching shall be done with even tension and all loose ends shall be securely fastened off. Sewing thread colour shall match with the “Dungaree” cloth.

WORKMANSHIP AND FINISH.

The “Dungaree” shall be free from workmanship defects i.e. texture, weaving, dyeing flaws etc. The “Dungaree” shall not have missed stitches, hole, cut, oil stains or any other defect which may significantly affect the appearance or serviceability of “Dungaree”.

SAMPLING AND CRITERIA FOR CONFIRMITY.

Sample should be submitted with the tender documents as per the photo of front and back side of the Dungaree enclosed herewith. Advance sample before placement of formal supply order is mandatory to be submitted by the firm. Any change in make model and design is possible as per the directions being provided by the higher headquarters.

DIMENSIONS.

The dimensions of “Dungaree” shall conform to the requirements given in Tables as under.

Measurement chart for Dungaree Front (All measurements are in cms)

Sl No	Measuring Point	Size					
		36 (S)	38 (M)	40 (L)	42 (XL)	44 (2XL)	46 (3XL)
01	Overall Length (from Highest shoulder point to hem)	102.5	105	107.5	110	112.5	115
02	Chest width (1" below armhole)	44.5	47	49.5	52	54.5	57
03	Side seam from arm hole to bottom	118.5	121	123.5	126	128.5	131
04	Sleeve length from the LSP (including cuff)	45	48	51	54	57	60
05	Biceps	19	20.5	22	23.5	25	26.5
06	Armhole	17.5	20	22.5	25	27.5	30
07	Shoulder	9.5	11	12.5	14	15.5	17
08	Cuff girth	25	27	29	31	33	35
09	Front Placket Opening(slide fastener)	53	55	57	59	61	63
10	Distance edge of the pocket to the cuff edge	30	32	34	36	38	40
11	Waist	25	30	35	40	45	50
12	Front hip width (7.5" below waist level)	21	22	23	24	25	26
13	Front Thigh width (1" below leg base)	19	21.5	24	26.5	29	31.5
14	Knee level	42.5	45	47.5	50	52.5	55
15	Front Knee width	13	15.5	18	20.5	23	25.5
16	leg inseam	67	69.5	72	74.5	77	79.5
17	Leg bottom opening	14	16	18	20	22	24
18	Placement of Thigh pocket from waist	15.5	18	20.5	23	25.5	28

Measurement chart for Dungaree Back (All measurements are in cms)

Sl No	Measuring Point	Size					
		36 (S)	38 (M)	40 (L)	42 (XL)	44 (2XL)	46 (3XL)
01	Length from Collar seam to waist seam	46.5	47.5	48.5	49.5	50.5	51.5
02	Length from Collar seam to crotch back	80	84	88	92	96	100
03	Across back	36	37	38	40	42	44.5
04	Full width (1" below at arm pit level)	69	70	71	72	73	74
05	Distance from armhole to Oval patch	12.5	13.5	15	16.5	18	19.5
06	Back hip width	16	18.5	21	23.5	26	28.5
07	Back thigh width (1" below leg base)	36.5	39	41.5	44	46.5	49
08	Back Knee width	19.5	22	24.5	27	29.5	32

TOLERATION IN DIMENSIONS:

Wherever tolerance in dimensions is not given following tolerance shall be applicable:

- i) Dimensions up to 25 Centimeter: ± 0.50 Centimeter
- ii) Dimensions from 26 Centimeter up to 50 Centimeter: ± 1.00 Centimeter
- iii) Dimensions from 51 Centimeter up to 100 Centimeter: $+ 1.50$ Centimeter
- iv) Dimensions from 101 Centimeter and above: ± 2.00 Centimeter

Requirements of "Dungaree.

SI.No	Characteristics	Requirements	Test Method
Dungaree Cloth			
01	Approximate count of yarn (For guidance only), Ne - Warp - Weft	20s X 2 (2/40s) 16s	IS 3442:1980
02	Composition ,% - Polyamide 6 6 - Cotton	50 \pm 5 Remainder	AATCC Test method 20 and 20A (Using DSC method)
03	End/dm (minimum)	400	IS 1963:1981
04	Picks/dm (minimum)	180	IS 1963:1981
05	Mass, gm/m ²	220 \pm 10	IS 1964 : 1970
06	Breaking strength, Newton (Minimum) - Warp-wise - Weft-wise	1200 650	IS 1969:1985
07	Elongation at break, % (Minimum) - Warp-wise - Weft-wise	35 20	IS 1969:1985
08	Tearing Strength, Newton (Minimum) - Warp-wise - Weft-wise	35 35	IS 6489:1993
09	Abrasion Resistance - Up to 50,000 cycles	No thread breakage	- IS: 12673:1989
10	Colour fastness to washing - Change in colour Staining on adjacent fabric	4 or better 4 or better	IS/ISO 105 C10 C(3): 2010 (After repeated 5 washes)
11	Colour fastness to perspiration - Change in colour - Staining on adjacent fabric	4 or better 4 or better	IS 971:1983
12	Colour fastness to Hot pressing (200°C, only dry press) - Change in colour - Staining on adjacent Fabric	4 or better 4 or better	IS 689:1988
13	Colour fastness to rubbing - Dry - Wet	4 or better 4 or better	IS 766:1988
14	Colour fastness to sea water - Change in colour - Staining on adjacent Fabric	4 or better 4 or better	IS 690:1988

15	Colour fastness to light	5 or better	IS 2454:1985			
16	Dimensional Change due to relaxation, both directions, percentage, maximum	1.0	IS 2977: 1989			
17	Dimensional stability to dry heat, maximum	2.0	IS 12170: 1987 (150°C)			
18	pH value of aqueous extract	6.0-8.0	IS 1390 (Cold method) :1983			
19	Pilling (after 5 hours of test), Minimum	4	IS 10971:1984			
20	Wrinkle Recovery (after 24 hours), Minimum	3	AATCC 128-2004			
21	Air permeability,cc/sec/cm ² , Minimum	4	IS 11056:1984			
22	Water vapour permeability (water method), g/m ² /day, Minimum	1400	ASTM E-96/E 96 M-05 (Temp 32±2°C RH: 50±2%, Water Method			
Retro reflective tape						
23	Colour	Silver	Visual			
24	Liner weight, g/meter	25±2	IS 1964: 2001			
25	Band Width, mm	50 ± 2	IS 1954: 1990			
26	Coefficient of retro reflection at two rotation angles el=0° and e2=90°	Should not differ 15%	BS EN ISO 20471: 2013 (Observer angle 12', Entrance angle 5°)			
27	Co-efficient of retro reflection for separate performance material (Normal state-without wash), cd/(lx.m ²), Minimum	330	BS EN ISO 20471: 2013 (Observer angle 12', Entrance angle 5°)			
28	Co- efficient of retro reflection for separate performance material (After 20 washes as per ISO 6330-2A followed by tumble dry), cd/(lx.m ²), Minimum	100	BS EN ISO 20471: 2013 (Observer angle 12', Entrance angle 5°)			
29	Co- efficient of retro reflection for separate performance material (After Abrasion as per clause 7.4.1 of BS EN ISO 20471: 2013), cd/(lx.m ²),minimum	100	BS EN ISO 20471: 2013 (Observer angle 12', Entrance angle 5°)			
30	Co- efficient of retro reflection for separate performance material (After exposure to temperature variation: clause 7.4.4 of BS EN ISO 20471: 2013), cd/(lx.m ²), Minimum	100	BS EN ISO 20471: 2013 (Observer angle 12', Entrance angle 5°)			
Slide fastener						
31	Length, cm	See measurement Tables above	IS 14181:2002 (latest version)			
32	Designation	Medium Chain width: 6.00±0.3 mm - Thickness: 2.60 min.	IS 14181: 2002 (Part-1)			
33	Type	Normal open end type C	IS 14181: 2002 (Part-1)			
34	Colour	Orange	Visual			
35	All the other properties of the slide fastener shall be tested as per IS 14181: 2002 (Part-1)					
Elastic Tape						
Except colour fastness to light and washing, all the tests on elastic tape shall be carried out as per IS 9686: 1980. The test results shall conform to requirement as mentioned in the IS 9686: 1980.						

SPECIFICATION OF COLOUR OF DUNGAREE.

(AATCC Test method 173 : 2009 & AATCC Evaluation Procedure 7 : 2009)

Colour	Orange		
System	CIE LCH		
Illuminant Observer	D 65		
Standard Observer	10 Degree		
Tristimulus Values X	X	Y	Z
	37.243	25.007	4.061
L.C.H	L	C	H
	57.082	78.026	48.960
C.M.C (1:c)	2:1		
Colour difference,	≤ 1.2		

INSTRUCTIONS TO BIDDERS & CONDITIONS OF CONTRACT.

1. Sealed Tenders along with product details in two bid system are to be sent in favour of the Commandant 1st Bn NDRF, Patgaon, Post: Azara, Guwahati-17 Distt: Kamrup (Assam)- 781017 or can be deposited by hand in the Tender box placed in the office of, Commandant 1st Bn NDRF, Patgaon, Post: Azara, Guwahati-17 Distt: Kamrup (Assam)- 781017 **on or before 19 Sep' 2016 at 1100 Hrs.**
2. Envelope should be superscribed with Tender No.& date.
3. Tenders will be opened in the presence of the available bidders **on 19 Sep'2016 at 1600 Hrs.** by a duly approved Board of Officers.
4. Improper or incomplete Tenders or Tender without specifications will be rejected.
5. All tenders are to be accompanied with a Demand Draft of **Rs.4,000/- (Rupees Four thousand)** only drawn in favour of the **Commandant 1st Bn NDRF, payable at SBI, Maligaon, (code No: 0229)**. This is to be retained as Earnest Money from the bidders.
6. Bank Drafts of unsuccessful bidders will be returned after the completion of the bidding process.

7. Bidders are to produce detailed product specification of the items, rate for which has been quoted. Price offered should be inclusive of all taxes/packing and freight and F.O.R. Guwahati but excluding of Central Sales tax, which may be indicated separately.
8. All tenders without detailed product specification will be rejected.
9. **The tender process will be TWO BID SYSTEM under rule GFR 152. In the first cycle only product specification conforming to the specifications as asked in tender will be selected. And further only quotations of tenderers, whose product specification have been selected, will be entertained.**
10. All bidders are requested to submit their offers in two covers as under:
 - a) **FIRST COVER** (Technical bid) should contain the following: -
 - i) Tender documents duly completed and signed.
BUT WITHOUT INDICATING THE RATES QUOTED.
 - ii) Earnest Money (If applicable)
 - iii) F O R, terms, delivery period quoted.
 - iv) Copy of firm registration and Dealership certificate.
 - v) Any other relevant document which the firm wishes to submit.
 - vi) Tender Sample/proof of having submitted tender sample.
 - vii) Specification of the product.
 - viii) Photo copy of Pan Card.
 - ix) Lab test report of the product.
 - b) **SECOND COVER** (Price bid) should contain the following: -
 - i) Details of rates size wise, taxes, duties, discounts, if any, quoted by the bidder. These details should be submitted on their letter pad.
 - ii) Both the above mentioned covers should be sealed separately and super- scribed with the Tender No, stores and date of tender opening.
 - iii) These covers should thereafter, be kept in a third cover and again sealed.
 - iv) This cover should also be super scribed with the Tender No, Stores and Date of Tender Opening.
 - v) The composite bid i.e. rates indicated in the Technical Bid OPENLY IN TENDER IS LIABLE TO BE IGNORED.
 - vi) Rate quoted by the firm should be on firm price basis.

(Only the first cover shall be opened on the date of opening. Price bids of only those firms will be considered for tender opening whose offer is complete in all respects and the tender samples submitted by them are approved/qualified by lab test)

11. All tenders are to be accompanied with a copy of the Sales Tax Registration and VAT Registration of the firm.
12. Successful tenderers should supply the material within 45 days from the date of receipt of the supply order.
13. **Successful bidders will have to supply the Goods within 45 days of placement of Supply Order by this office, On intimation they are required to provide advance sample before placement of supply order or supplying the whole consignment for assessment and also deposit 10% of the amount of total cost of goods as security deposit by Bank Draft, which will be returned after full and satisfactory supply of the goods.**
14. This period may be extended for further 15 days in case of any delay due to any unnatural circumstances at the sole discretion of the Commandant 1st Bn NDRF.
15. Commandant, 1st Bn NDRF has the power to reject any tender or all tender without assigning any reason or extend the date of opening of tender without citing any reasons. Decision of Commandant 1st Bn NDRF will be final and binding to all Tenderers.
16. All correspondence in this regard may be made with the Office of the Commandant, 1st Bn NDRF, Patgaon, Post: Azara, Guwahti, Distt:Kamrup (Assam)-781017: **Tele- Fax No: 0361-2840284 or email ndrf01@yahoo.com.**

SCHEDULE OF REQUIREMENT

S No	Nomenclature	Quantity	Approx Cost of Stores	Earnest money
01.	Dungaree Orange Colour (Operational Uniform)	200 Nos.	Rs. 2,00,000/-	Rs. 4,000/-

NOTE TO TENDERER

- i) The tenderer shall indicate the make/model in their offer.
- ii) The tenderer shall furnish the clause-by-clause compliance statement. In case there is any deviation the same should be clearly brought out in the offers.
- iii) They shall mention the relevant certificate of the product offered.
- iv) Technical manual comprising of servicing details shall be supplied with system.

- v) Items will be purchased on the basis of quality, price and samples. Rates should be valid till 31st March-2017.
- vi) Tender received without sample will not be entertained.

PRICE SCHEDULE

Estimated cost price of the items to be procured, in whole Rs. 2, 00,000/- (Rupees Two lakhs) only. Earnest Money to be deposited Rs. 2,000/- (Rupees Two thousand) only.

Place: Patgaon, Guwahati-17
Date: _____ 2016

Jen
18/8
COMMANDANT, 1st BN NDRF
For & On behalf of the President of India

To,

M/s. _____



Signature of Tenderer

NOTE : ALL THE PAGES OF TENDER PAPERS SHOULD BE SIGNED BY THE TENDERER.

Copy to:-

HQ DG NDRF : For favour of info with request for publishing tender on NDMA web site please.

