



No.IV-17017/13/06-Prov.I
Ministry of Home Affairs

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New Delhi ,dated 22.02. 2006

To

The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D.

Subject: Finalization of QRs/Specifications for Weaponary /Security Equipments

The Sub-Group constituted by MHA vide Office Memorandum No. IV.17017/18/2001-Prov.I dated 5-7-2002 for laying down QRs/specifications of various items/equipments has since submitted QRs in respect of the following items:-


- (a) Abseiling Equipment
- (b) Heliborne Equipment
- (c) Deep Search Mine/Metal Detector
- (d) Set Beam Search Light

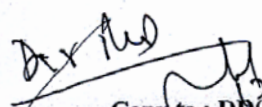
2. These recommendations have been accepted by MHA. The QRs finalized by the Sub-Group and accepted by MHA in respect of the above equipment are enclosed herewith.

3. Henceforth, all the CPMFs should procure the above item required by them to meet their operational needs strictly as per the laid down QRs/specifications.

Dy. No.....189.....MHA
BPR&D
Date
Dated.....13/06.....

Yours faithfully,


(Alok Mukhopadhyay)
Under Secretary(Prov.I)


Copy to : DD(Procurement), MHA

QUALITATIVE REQUIREMENTS: HELIBORNE EQUIPMENT

✓ 1. **Heliborne Equipment will include the following items**

- (a) Heavy duty Karabiners.
- (b) Climbing Rope.
- (c) Fast Rope.
- (d) Helicopter Rescue Bag alongwith Carrying Kit.
- (a) Hanging Kit (Multi use).
- (b) Orter Winch
- (c) Slithering Gloves.
- (d) Tactical gloves.

✓ 2. **Heavy duty Karabiner.**

- (a) Lt wt, easy to carry and sturdy.
- (b) Standard - as per UIAA/CE safety standard.
- (c) Wt - 600gm with a tolerance of 10%
- (d) Rope bearing surface - More than 10 mm.
- (e) **Breaking Strength.**
 - (i) Gate closed - Min 25KN
 - (ii) Gate Open - Min 9 KN
 - (iii) Minor axis - Min 10KN

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3. Climbing Rope.

- | | | | |
|-----|-------------------------|---|--------------------------------|
| (a) | Safety standard | - | UIAA/CE approved. |
| (b) | Rope length | - | 35m |
| (c) | Dia | - | 10mm |
| (d) | Material | - | Polyester armide |
| (e) | Construction | - | Braided |
| (f) | Weight of Rope | - | 70gm/mtr |
| (g) | Working Load | - | Minimum 1000kgs(Max 3-4 pers). |
| (h) | Tenacity | - | Min 30KN |
| (j) | Elongation | - | Not more than 5% |
| (k) | Shrinkage | - | Not more than 3% |
| (l) | Relative mass of Sheath | - | 35-40% |
| (m) | Sheath slippage | - | 3mm |
| (n) | Knot ability | - | 15mm |

4. Fast Rope

- | | | | |
|-----|--------------|---|---------------------------------|
| (a) | Material | - | Polyester aramide |
| (b) | Diameter | - | 40mm |
| (c) | Construction | - | Braided |
| (d) | Length | - | 30 Mtr |
| (e) | Tenacity | - | Min 700KN |
| (f) | Working load | - | 700kgs |
| (g) | End type | - | Textile loop end spliced steel. |

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5. **Helicopter Rescue Bag along with Hanging Kit**

- (a) Wt - Not more than 5kg
- (b) Working load - 300kg
- (c) Material - Nylon

6. **Hanging Kit (Multi use).**

- (a) Wt - Not more than 5kg
- (b) Working load - Minimum 400kg

7. **Orter Winch.**

- (a) For lowering & lifting operation.
- (b) Should have two speed self tailing winch.
- (c) Should be easily to for transport.
- (d) Should be able to fit on all surface e.g. ground rocks or ice in horizontal or vertical warmlzios.
- (e) Weight of winch - Less than 06 kg.
- (f) Dimension - 0.54 x 0.18 x 0.20 mtr

8. **Slithering Gloves.**

- (a) Material - One fingered made of cloth with leather reinforced palm side.
- (b) Wt - 300gms with a tolerance of 10%
- (c) Colour - Black

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9. **Tactical Gloves.**

- (a) Material - Soft leather, with adjustable wrist strap.
- (b) Wt - Not more than 50 gm
- (c) Colour - Black
- (d) Type - Padded anti skid

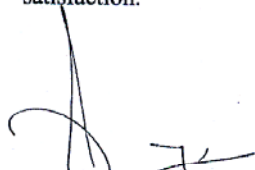
10. Composition of Heliborne Equipment set: -

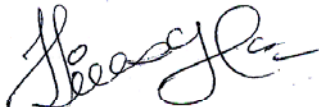
Individual Eqpt (01 Set)			
S.No.	Items	Qty reqd in a set	Total qty reqd to 300 sets
(a)	Heavy Duty Karabiners	02	600
(b)	Slithering Gloves	02 pairs	600 pairs
(c)	Tactical Gloves	02 pairs	600 pairs
Pooled Stores			
(d)	Climbing Rope	01 for every 05 sets	60
(e)	Fast Rope	01 for every 10 sets	30
(f)	Helicopter Rescue Bag alongwith Carrying Kit	01 for every 50 sets	06
(g)	Hanging Kit	01 for every 50 sets	06
(h)	Orter Winch	01 for every 100 sets	03


11. The complete equipment should be able to sustain temperature variation from -20 C to +50 C.

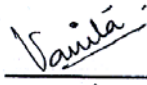
12. **TRIALS OF HELIBORNE EOPT.** The firm shall provide one set of Heliborne hh Eqpt for field trial at no cost and no commitment basis, to ascertain the user satisfaction.

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C.Kgs
SG

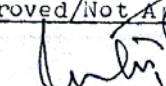

LTCOL BS SHAMI
R/C, SI SA4, NS4

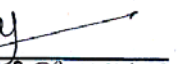

VINAY DOGRA
AC SIW, BSIF


G.C KANAUJIYA
AO&A (STORE)
DGRA

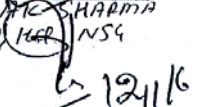


Approved/Not Approved


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12/1/16
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