

महानिदेशालय, भा.ति.सी.पु. बल/Directorate General, ITBP Force
(संभरण निदेशालय-सीटीएस डैस्क/Provisioning Dte-CTS Desk)
गृह मंत्रालय-भारत सरकार/MHA-Government of India
खण्ड-2, के. स. का. परिसर/Block-2, CGO Complex
लोधी रोड, नई दिल्ली/Lodhi Road, New Delhi-03
(Fax 011-24364267, Email-dlgprov@itbp.gov.in)

No. IV-17012/13/2023/Prov(CTS)- ९१०७

Dated, 13 the December 24

To

Mrs. Sugandhi
Technical Director, NIC
North Block, New Delhi.
E-mail : mpsugandhi@nic.in

Sub: **Revised QRs/Specifications of Mountaineering Clothing & Equipments.**

Kindly refer to MHA letter No IV-24011/12/2011-Prov-I dated 22.10.14 on the subject cited above.

2. ITBP is in process to finalize the revised QRs/Specification and TDs of Mountaineering Clothing & Equipments prepared by the sub group of experts. Hence the Expression of Interest along with the draft of revised QRs/Specification and TDs of above items is attached herewith for hosting the same on the MHA website for seeking suggestion of vendors/firms by 28.12.2024 on e-mail ID: itcellmsi@itbp.gov.in.

3. In this connection, it is also requested that after needful the same may please be intimated on e-mail ID: itcellmsi@itbp.gov.in, as well as digprov@itbp.gov.in.

सेनानी (संभरण)/Commandant (Prov)
महानिदेशालय, भातिसीपु बल/Dte Gen, ITBPF

Copy to:-

1. The U.S. (Prov), MHA, Jaisalmer House, New Delhi for information please.
2. The S.O.(IT), North Block on his email address soit@nic.in.
3. The Commandant, IT Cell, Dte. Genl ITB Police-Alongwith QRs/Specification for uploading on ITBP website also.
4. Principal, M&SI Auli, ITB Police:- The proceedings in all respects as per the procedure/guidelines issued by MHA for preparing of revised QRs/TDs of Mountaineering Clothing & Equipments may also be complied and submitted to this office at the earliest please.

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सेनानी (संभरण)/Commandant (Prov)
महानिदेशालय, भातिसीपु बल/Dte Gen, ITBPF

EXPRESSION OF INTEREST

Sub: **Revised QRs/Specifications of Mountaineering Clothing & Equipments.**

This is for general information of the firms/manufacturer of Mountaineering Clothing & Equipments that under mentioned QRs/TDs have been revised by sub group of experts as enclosed with board proceeding. All the interested vendors/firms are requested to go through the same and give their suggestions, if any, by 28.12.2024 on e-mail ID: itcellmsi@itbp.gov.in, as well as digprov@itbp.gov.in.

2. A hard copy of suggestions may also be sent to the DIG, M&SI Auli, ITB Police, PO-Joshimath, Distt-Chamoli (UKD). e-mail ID: itcellmsi@itbp.gov.in as well as digprov@itbp.gov.in.

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सेनानी(संभरण)/Commandant (Prov)
महानिदेशालय, भातिसीपु बल/Dte Gen, ITBPF

BOARD PROCEEDING

Proceeding of : B.O.O of CAPFs
Constituted vide : DIG (Prov), Dte Gen Letter No-IV-17012/03/2021-
Prov.(CTS)- 7718 dtd. 04.10.2024.
Assembled at : Directorate ITBP, Block No. 02, CGO Complex,
Lodhi Road, New Delhi
Assembled on : 14.11.24 at 1100 Hrs and 21.11.2024 at 1600 Hrs
Purpose : Review of QRs/Specification of 86 items of
"Mountaineering Clothing & Equipments"
authorized for the ITBP.

Composition of the Board

PO :- Shri Abdul Ghani Mir, IPS, ADG HQrs, ITB Police.
Member-I :- Sh A.S. Rawat, DIG, M&SI Auli, ITB Police
Member -II :- Harsh Tripathi, Dy. Commandant, CRPF (Video Conference)
Member-III :- Sh. Love Raj, Dy. Commandant, BSF
Member-IV :- Sh. Bhim Singh Rawat, Asstt. Commandant, CISF
Member-V :- Sh Rajan Ashta, asstt. Commandant (GD), SSB
Member-VI :- N/Sub Madanpal Tyagi, Assam Rifle
Member-VII :- Sh Hitesh Kumar, AC-II, NSG

Technical Members

Member- II:- Sh. Anoop Kumar, Dy. Commandant, ITBP Academy.

2. In pursuance of the above order, all board members, except the representative from the IMF, attended the meeting to discuss and revise the existing Quality Requirements (QRs) and specifications for 86 items of mountaineering clothing and equipment authorized for the ITBP.

3. As per the direction of MHA O.M. No. IV-24011/12/2011-Prov.1 dated 13.12.2012; ITBP has been designated as Nodal Force for Mountaineering Clothing to

CAPFs. The Procurement of Mountaineering Clothing and Equipments has been initiated for the first time against their authorization vide MHA letter No.17012/38/2009-Prov.I- 531 dated 07.04.2017 based on QRs/Specification No. IV-17012/34/ 2021/Prov (CTS)-1506-56 dated 16.05.2023.

4. However due to the difficulties being faced in procuring these 86 items of mountaineering clothing and equipment as per existing QRs/Specifications based on QRs/Specifications prepared by the sub-group expert. This Directorate has obtained technical opinions from various mountaineering institutes. Based on the Technical Opinion received from the Mountaineering Institute, a meeting was organized on 18.09.2024 under the chairmanship of IG (Prov), in which mountaineering experts and representatives of the firm supplying mountaineering equipment participated.

5 To ensure the quality of 86 items of mountaineering clothing and equipment, it has been decided to incorporate CE EN/UIAA standards instead of CN, EN, and UIAA in the QR/Specifications. Lab test reports, tender conditions, and requirements from the line committee must also be included in the board proceedings. Furthermore, the following conditions may be added to the tender.

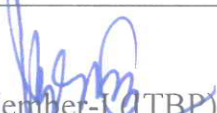




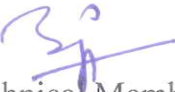
- (i) **Certification by firms**:- Self-certification by the firms in r/o mandatory compliance to either CE EN/UIAA certification for the item under procurement”.
- (ii) **Lab Test Report**:- All tenderers may be requested to submit a lab test report of each item corresponding to the concerned certification for each item.
- (iii) **Tender Condition**:- Technical evaluation to be carried out by constituting BoO which will include experts of Mountaineering in ITBP.
- (iv) **Line Committee**:- The line committee should mandatorily include representatives of Mountaineering experts to ascertain the quality of products.

6. Accordingly, review meetings on the subject matter were held at Conference Hall, Dte Gen, ITB Police, New Delhi on 14.11.2024 from 1100 hrs to 1130 hrs, and on 21.11.2024 from 1600 hrs to 1630 hrs under the chairmanship of Sh. Abdul Ghani Mir, IPS, ADG HQrs, ITB Police. Except for the representative of the IMF, all other members from CAPFs attended the meeting and gave their valuable suggestions.

7. It was decided during the meeting that there is no need for change in existing QRs/Specifications of 14 items (Appendix "B") and 02 items that is Manila rope and Bivouac sheet which are not in use for mountaineering will be not procured in the future. 07 items (Appendix "C") that are available in SCME Supply/ ECC&E will be procured from the COD/Civil firm as per the approved QR/Specifications.

8. Final QRs/Specification in r/o 63 items of Mountaineering clothing & equipment have been prepared after inclusion of the suggestion submitted by the B.O.O. A final QRs/Specification after inclusion of the Suggestion submitted by the B.O.O. is appended at Appendix-"A".

9. The board proceeding along with revised QRs/Specifications prepared by B.O.O. is submitted for necessary action at your end, please.

 Member-I (ITBP) Sh. A.S. Rawat, DIG, M&SI Auli,	 Member-II (CRPF) Sh. Harsh Tripathi, Dy. Commandant,	 Member-III (BSF) Sh. Love Raj, Dy. Commandant
 Member-IV (CISF) Sh. Bhim Singh Rawat, Asstt. Commandant	 Member-V (SSB) Sh. Rajan Ashta, Asstt. Commandant	 Member-VI (Assam Rifle) N/Sub Madanpal Tyagi,
 Member-VII (NSG) Sh. Hitesh Kumar, AC-II	 Technical Member-II Sh. Anoop Kumar,DC ITBP Academy	



Presiding Officer
(Sh. Abdul Ghani Mir, IPS)
Addl. DG, ITB Police (Chairman)

Approved/Not approved

DG, ITB Police

QRS / SPECIFICATIONS OF MOUNTAINEERING EQUIPMENTS AND CLOTHING ITEMS

SL. NO.	NAME OF EQUIPMENTS / CLOTHING ITEMS	REVISED QR/ SPECIFICATIONS
1.	NYLON SLING 9 MM	<ol style="list-style-type: none"> 1. THE DIAMETER SHOULD BE 9 MM 2. MATERIAL POLYAMIDE OR EQUIVALENT 3. SHOULD BE COMPACT AND LIGHT WEIGHT 4. SHOULD BE SUITABLE TO ALL TYPE OF CLIMBING HIGH MOUNTAIN 5. SHOULD HAVE DYNAMIC ELONGATION NOT LESS THAN 34% 6. SHOULD BE RESISTANCE TO ABRASION AND EDGES 7. WEIGHT NOT LESS THAN 48 GRAMS 8. SHOULD BE ABLE TO WITH STAND IMPACT OF MIN 5 KN 9. SHOULD HAVE ROPE BAG 10. LENGTH SHOULD BE 12 FT 11. SLING SHOULD BE TUCKED FROM BOTH ENDS 12. SHOULD BE CE EN /UIAA CERTIFIED
2.	NYLON SLING 5 MM	<ol style="list-style-type: none"> 1. DIAMETER 5MM 2. MATERIAL POLYAMIDE OR EQUIVALENT 3. WEIGHT MIN 15 GRAMS PER MTR 4. IMPACT NOT LESS THAN 6 KN 5. LENGTH SHOULD NOT BE LESS THAN 12FT 6. SLING SHOULD BE TUCKED FROM BOTH ENDS 7. SHOULD BE CE EN /UIAA CERTIFIED
3.	NYLON SLING 6 MM	<ol style="list-style-type: none"> 1. DIAMETER 6 MM 2. MATERIAL POLYAMIDE OR EQUIVALENT 3. WEIGHT MIN 20 GRAMS PER MTR 4. SHOULD BE EASY TO GRIP AND HANDLING 5. MATERIAL POLYAMIDE OR EQUIVALENT 6. SLING SHOULD BE TUCKED FROM BOTH ENDS 7. LENGTH SHOULD NOT BE LESS THAN 12FT 8. SHOULD BE CE EN /UIAA CERTIFIED
4.	TAPE SLING 01/ ½ INCH (IN LIEU OF ½ INCH WE SHOULD PURCHASE 01 INCH TAPE AS ½ INCH TAPE IS NOT AVAILABLE)	<ol style="list-style-type: none"> 1. SHOULD BE STURDY AND RUGGED 2. SHOULD BE ABLE TO BE USED FOR MULTIPURPOSE 3. SHOULD BE MINIMUM 25 MM IN WIDTH 4. BREAKING STRENGTH NOT LESS THAN 25 KN 5. SHOULD BE CE EN /UIAA CERTIFIED
5.	TAPE SLING 2 INCH	<ol style="list-style-type: none"> 1. SHOULD BE 20 MM WIDTH 2. WEIGHT NOT MORE THAN 35 GRAMS PER METER 3. BREAKING STRENGTH NOT LESS THAN 25 KN 4. SHOULD BE ABRATION RESISTANCE 5. SHOULD BE CE EN /UIAA CERTIFIED
6.	ROPE CLIMBING	<ol style="list-style-type: none"> 1. THE DIAMETER SHOULD BE BETWEEN 10 MM OR MORE 2. WEIGHT PER METER SHOULD NOT BE MORE THAN 65 GRAMS 3. SHOULD BE LIGHTWEIGHT 4. DYNAMIC ELONGATION 35% +/- 5%. 5. SHOULD BE EASY TO HANDLE


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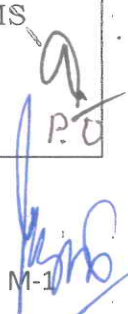

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		6. SHOULD BE ABLE TO WITH STAND IMPACT OF MIN 8 KN 7. SHOULD BE CE EN /UIAA CERTIFIED
7.	NYLON ROPE RAPPPELLING	1. THE DIAMETER SHOULD BE 10 MM OR MORE 2. COMPACT AND LIGHT WEIGHT 3. EASY TO STORE AND PACK 4. DURABLE AND WATER RESISTANT 5. IMPACT FORCE 5 KN +/- 5% 6. WEIGHT PER METER SHOULD NOT BE MORE THAN 50 GRAMS 7. IMPACT FORCE NOT LESS THAN 4 KN 8. STATIC ELONGATION 4% OR LESS 9. SHOULD HAVE STATIC STRENGTH NOT LESS THAN 22 KN 10. SHOULD BE CE EN /UIAA CERTIFIED
8.	CARABINER PLAIN TYPE	1. SHOULD NOT WEIGH MORE THAN 50 GRAMS. 2. SHOULD HAVE A NOSE AND A KEY LOCK SYSTEM. 3. BREAKING STRENGTH SHOULD NOT BE LESS THAN 22 KN 4. MINOR AXIS BREAKING STRENGTH SHOULD NOT BE LESS THAN 8 KN AND FOR OPEN GATE NOT LESS THAN 7 KN 5. SHOULD BE MADE OF ALUMINIUM ALLOY 6. SHOULD BE CE EN /UIAA CERTIFIED
9.	CARABINER SCREW TYPE	1. SHOULD FACILITATE MINUTE SCREW LOCKING 2. SHOULD NOT WEIGH MORE THAN 45 GRAMS 3. BREAKING STRENGTH SHOULD NOT BE LESS THAN 24 KN 4. MINOR AXIS BREAKING STRENGTH SHOULD NOT BE LESS THAN 8KN AND FOR OPEN GATE NOT LESS THAN 7 KN 5. MATERIAL SHOULD BE OF ALUMINIUM ALLOY. 6. SHOULD BE CE EN /UIAA CERTIFIED
10.	ASCENDER	1. SHOULD HAVE OVAL MOULDED GRIP AND ERGONOMIC UPPER 2. WEIGHT SHOULD NOT BE MORE THAN 175 GRAMS. 3. THERE SHOULD BE ROLLARES FOR SUPER SMOOTH UPWARD GLIDING. 4. MUST HAVE DRAIN HOLES FOR SELF CLEANING AND 03 LARGE ATTACHMENTS POINT 5. ROPE COMPATIBILITY FOR USE ON 8 TO 13 MM DIAMETER ROPE. 6. MATERIAL (S) ALUMINUM, STAINLESS STEEL, PLASTIC/ RUBBER/NYLON. 7. SHOULD HAVE OPENING SYSTEM PROTECTION ON BACK SIDE TO PREVENT ACCIDENT OPENINGS 8. SHOULD BE CE EN /UIAA CERTIFIED
11.	ROCK PITON ASSORTED	1. THE PITON CONSISTS OF SPIKE OR BLADE AND A HEAD HAVING A HOLE OF HAVING A LOOSELY WELDED RING OF SUCH DIMENSION AS TO FOLLOW TO PASSAGE OF ONE OR TWO CARABINEERS 2. SHOULD BE OF MULTIPURPOSE, MULTI DIRECTIONAL AND SHOULD BE APPLIED IN MULTI TYPE OF ROCK CRACKS 3. SHOULD BE MADE OF GOOD QUALITY MATERIAL AND SHOULD HAVE MAXIMUM LOAD CAPACITY 4. LENGTH OF PITON a) 80MM b) 100mm c) 120mm 5. THICKNESS MIN 6MM 6. SHOULD BE CE EN /UIAA CERTIFIED
12.	ETRIER	1. MIN 05 STEP ETRIER 2. COMFORT AND DURABLE 3. EASY TO USE 4. STEP STRENGTH NOT LESS THAN 10 KN

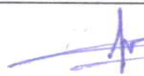

M-II (TECHNICAL)


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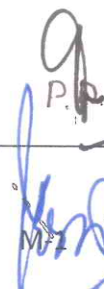

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		<p>5. WEIGHT NOT MORE LESS THAN 180 GRAMS</p> <p>6. CARABINER LOOP AT THE BOTTOM</p> <p>7. 1 " FLAT WEBBING FOR COMFORT AND DURABILITY</p> <p>8. SHOULD BE CE EN /UIAA CERTIFIED</p>
13.	PULLEY SINGLE	<p>1. SHOULD NOT BE MORE THAN 100 GRAMS</p> <p>2. SHOULD BE EFFECTIVE ON ROPES FROM 7 MM TO 13MM DIA</p> <p>3. SHOULD BE ABLE TO WITHSTAND WORKING LOAD OF 5KN OR HIGHER</p> <p>4. MATERIAL STAINLESS / ALUMINIUM</p> <p>5. BREAKING STRENGTH OF PULLEY MIN 22 KN</p> <p>6. SHOULD BE CE EN/ UIAA CERTIFIED</p>
14.	PULLEY DOUBLE	<p>1. SHOULD BE DESIGNED FOR HEAVY DUTY</p> <p>2. SHOULD BE ABLE TO USE MIN 02 CARABINEERS</p> <p>3. WEIGHT MAX 200 GRAMS</p> <p>4. ROPE COMPATIBILITY 7-13 MM</p> <p>5. WORKING LOAD MIN 10 KN</p> <p>6. BREAKING STRENGTH OF PULLEY MIN 22 KN</p> <p>7. SHOULD BE CE EN /UIAA CERTIFIED</p>
15.	RUNNER (QUICK DRAW)	<p>1. SHOULD BE WIDER ROPE AND ANCHOR CONTACT SURFACES FOR BETTER ROPE GLIDE AND REDUCED WEAR ON THE CARABINEER</p> <p>2. SHOULD BE DURABLE AXESS QUICK-DRAW SLING</p> <p>3. SHOULD BE EASIER TO USE FOR CLIPPING AND UNCLIPPING</p> <p>4. MAJOR AXIS STRENGTH SHOULD BE 23 KN OR MORE</p> <p>5. MINOR AXIS STRENGTH: 7 KN OR MORE</p> <p>6. OPEN GATE STRENGTH: 8 KNOR MORE</p> <p>7. GATE OPENING: 20 MM</p> <p>8. BENT GATE CARABINEER OPENING: 25 MM</p> <p>9. CAPACITY: 24 MM</p> <p>10. MATERIAL(S): ALUMINIUM CARABINEER</p> <p>11. POLYESTER WEBBING, RUBBER STRING-</p> <p>12. LENGTH OF SLING:12 CM</p> <p>13. STRENGTH: 22 KN</p> <p>14. SHOULD BE CE EN /UIAA CERTIFIED</p>
16.	FRIENDS	<p>1. SHOULD BE SUITABLE FOR ALL TYPES OF CRACKS</p> <p>2. SHOULD BE LIGHT AND COMPACT</p> <p>3. STRENGTH SHOULD BE AS PER INTERNATIONAL CERTIFICATION</p> <p>4. SHOULD BE MADE OF HIGH QUALITY MATERIAL.</p> <p>5. THE FRIENDS SET SHOULD COVER THE CRACK RANGE: 12 TO 1455 MM.</p> <p>6. ALL SIZES</p> <p>7. SHOULD BE CE EN/UIAA CERTIFIED</p>
17.	BELAY TUBE	<p>1. SHOULD BE LIGHT WEIGHT</p> <p>2. SHOULD BE SAFE FOR DOUBLE ROPE USES</p> <p>3. WEIGHT SHOULD NOT BE MORE THAN 60 GRAMS</p> <p>4. SHOULD BE SUITABLE FOR ROPE BETWEEN 7MM TO 11 MM</p> <p>5. SHOULD BE MADE OF HOT FORGED ALUMINIUM ALLOY</p> <p>6. SHOULD BE CE EN /UIAA CERTIFIED</p>
18.	BELAY PLATE	<p>1. SHOULD BE LIGHT WEIGHT AND EASY TO HANDLE</p> <p>2. WEIGHT SHOULD NOT BE MORE THAN 57 GRAMS</p> <p>3. METAL SHOULD BE MADE OF HOT FORGED ALUMINIUM</p> <p>4. SHOULD BE SUITABLE FOR 7 MM TO 11 MM ROPE</p> <p>5. SHOULD BE SUITABLE FOR MULTI PITCHES</p> <p>6. SHOULD BE CE EN /UIAA CERTIFIED</p>

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19.	BELAY DEVICE (TWINS)	<ol style="list-style-type: none"> 1. SHOULD NOT WEIGH MORE THAN 60 GRAMS 2. SHOULD BE SUITABLE FOR UP TO 11 MM ROPE. 3. SHOULD BE MADE OF ALUMINIUM ALLOY 4. SHOULD BE CE EN /UIAA CERTIFIED
20.	GI-GI	<ol style="list-style-type: none"> 1. SHOULD BE MADE OF HOT FORGED ALUMINIUM ALLOY 2. WEIGHT SHOULD NOT BE MORE THAN 110 GRAMS ?????? 3. SHOULD BE SUITABLE FOR ROPE BETWEEN 8MM TO 13 MM DIAMETER 4. SHOULD BE LIGHT AND COMPACT 5. SHOULD BE SUITABLE FOR MULTI PITCHES 6. SHOULD BE CE EN /UIAA CERTIFIED
21.	GIRI-GIRI	<ol style="list-style-type: none"> 1. SHOULD BE LIGHT AND COMPACT. 2. WEIGHT SHOULD NOT BE MORE THAN 175 GRAMS. 3. SHOULD BE SUITABLE FOR 09 MM TO 11 MM ROPE 4. BODY SHOULD BE MADE OF HOT FORGED ALUMINIUM ALLOY 5. SHOULD BE SUITABLE FOR MULTI PITCHES 6. SHOULD BE EASY TO HANDLE 7. SHOULD BE CE EN /UIAA CERTIFIED
22.	CHOCK NUT	<ol style="list-style-type: none"> 1. ALL SIZES 2. SHOULD BE ABLE FOR ALL TYPES OF CRACKS INCLUDING HORIZONTAL AND VERTICAL 3. STRENGTH SHOULD NOT BE LESS THAN 6 KN 4. CURVED DESIGN FOR SECURE PLACEMENT AND EASY REMOVAL 5. COLOR CODED HEADS FOR FASTER SELECTION 6. LENGTH SHOULD BE BETWEEN 17 TO 40 MTR 7. SHOULD BE SUITABLE FOR MULTI PITCHES 8. SHOULD BE CE EN /UIAA CERTIFIED
23.	RACK DECENDER	<ol style="list-style-type: none"> 1. SHOULD BE EASY TO USE 2. SHOULD BE COMPATIBLE FOR ROPE UP TO 13 MM 3. SHOULD BE LIGHT AND COMPACT 4. MATERIAL SHOULD BE MADE OF STAINLESS STEEL/ ALUMINIUM 5. WORKING LOAD-08 KN TO 22KN 6. WEIGHT NOT MORE THAN 400 GRAM 7. SHOULD BE SUITABLE FOR MULTI PITCHES 8. SHOULD BE CE EN /UIAA CERTIFIED
24.	IMPACT SHOCK OBSERVER	<ol style="list-style-type: none"> 1. SHOULD BE MADE OF ALUMINIUM ALLOY PLATE 2. SHOULD HAVE MIN 07 ANCHOR HOLE 3. SHOULD NOT WEIGHLESS THAN 240 GRAMS 4. SHOULD BE LIGHT WEIGHT AND COMPACT 5. MIN STRENGTH 40 KN 6. SHOULD BE CE EN /UIAA CERTIFIED
25.	SEAT HARNES	<ol style="list-style-type: none"> 1. SHOULD BE SUITABLE FOR WET CONDITIONS 2. SHOULD HAVE SIMPLE LEG LOOPS AND ADJUSTMENT BUCKLES 3. AUTO LOCKING BUCKELS ON THE WAIST AND ADJUSTABLE LEG LOOPS SHOULD BE AVAILABLE IN MAX. 2 SIZE COMBINATION 4. SHOULD NOT WEIGHT MORE THAN 500 GRAMS 5. SHOULD BE COMFORTABLE, FALL ARREST & REDUCE THE EFFECTS OF SUSPENSION TRAUMA IN CASE OF FALL. 6. MINIMUM 04 EQUIPMENT LOOPS SHOULD BE THERE. 7. SHOULD BE CE EN /UIAA CERTIFIED



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26.	FULL HARNESS	<ol style="list-style-type: none"> 1. SHOULD BE ABLE TO ARRANGE FALL ARREST 2. SHOULD BE MADE OF NYLON POLYESTER 3. SHOULD BE SUITABLE FOR WET CONDITION 4. SHOULD HAVE FLEXIBLE GEAR LOOP ON BOTH THE HAND SIDE 5. SHOULD BE LIGHT WEIGHT AND EASY TO WEAR 6. SHOULD HAVE BREATHABLE CONSTRUCTION 7. SIZE WEIGHT RANGE SHOULD BE MORE THAN 600 GRAMS 8. SHOULD HAVE ADJUSTABLE SHOULDER STRAP AND LEG LOOP FOR PRECISE FIT 9. SHOULD HAVE 4 ATTACHMENT POINTS 10. SHOULD BE CE EN /UIAA CERTIFIED
27.	CHEST HARNESS	<ol style="list-style-type: none"> 1. SHOULD HAVE DRY TREATMENT FOR WET CONDITION 2. SHOULD BE WATERPROOF AND DRY TECHNOLOGY 3. SHOULD HAVE FALL ARREST ATTACHMENT 4. SHOULD HAVE BUCKLE FOR QUICK AND EASY ADJUSTMENT 5. SHOULD BE LIGHTWEIGHT AND DURABLE 6. WEIGHT SHOULD NOT BE LESS THAN 300 GRAMS 7. SHOULD BE HIGH QUALITY NYLON/POLYESTER WEBBING OR EQUIVALENT 8. SHOULD BE CE EN /UIAA CERTIFIED
28.	HELMET ROCK CLIMBING	<ol style="list-style-type: none"> 1. SHOULD HAVE A MECHANISM FOR EASY SIZE AJUSTMENTS. 2. SHOULD NOT WEIGH MORE THAN 300 GMS 3. SHOULD HAVE ABS SHELL OR BETTER WITH EXPANDED POLYSTYRENE FOAM LINER 4. SHOULD HAVE HEADLAMP ATTACHMENTS 5. SHOULD BE TOTALLY ADJUSTABLE ACCORDING TO HEAD AND CHIN 6. SHOULD BE ABLE TO BE USED ON TOP OF BALACLAVA. 7. SHOULD BE TOTALLY ADJUSTABLE ACCORDING TO HEAD AND CHIN 8. .SHOULD HAVE 18 SIDE AND REAR VENT HOLES 9. SHOULD FACILITATE SHOCK ABSORPTION 10. SHOULD BE CE EN /UIAA CERTIFIED
29.	POWER QUICK ASCENDER	<ol style="list-style-type: none"> 1. SHOULD BE MADE OF STRONG AND NON COROSSIVE MATERIAL 2. SHOULD FACILITATE QUICK AND SAFE INSERTION OF ROPE 3. SHOULD FACILITATE TO OPERATE WITH REMOTE CONTROL 4. OPERATING RANGE OF REMOTE CONTROL SHOULD BE UP TO 100 MTR 5. SHOULD BE WATER RESISTANT AND DUSTPROOF 6. SHOULD BE DURABLE AND EASY TO OPERATE 7. SHOULD FACILITATE LONG BATTERY LIFE WITH VERY SHORT CHARGING 8. WORKING LOAD SHOULD NOT BE LESS THAN 800 KG 9. SHOULD FACILITATE TO OPERATE WITH REMOTE CONTROL 10. OPERATING RANGE OF REMOTE CONTROL SHOULD BE UP TO 100 M. 11. WEIGHT SHOULD NOT BE MORE THAN 20 KG 12. SHOULD COME WITH PROTECTIVE HARD CASE 13. SHOULD HAVE VARIABLE SPEED CONTROL 14. SHOULD HAVE EMERGENCY STOP BUTTON. 15. SHOULD BE SUITABLE FOR ROPE DIA 9 TO 13 MM



M-II (TECHNICAL)


M-VII

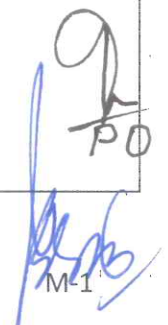

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		<p>16. MINIMUM 2 YEAR WARRANTY</p> <p>17. SHOULD BE CE EN /UIAA/BIS/ISI CERTIFIED-</p>
30.	CRAMPON SPECIAL ADJUSTABLE	<p>1. SHOULD BE MADE FROM CHROMALLOY STEEL OR EQUIVALENT</p> <p>2. SHOULD HAVE ANTI BOLT PLATE</p> <p>3. SHOULD NOT WEIGH MORE THAN 1000 GRAMS</p> <p>4. SHOULD BE SEMI RIGID WITH TWO FRONT POINTS WITH 12 BASE POINTS</p> <p>5. MUST HAVE EXTRA-LONG STRAP</p> <p>6. SHOULD BE EASY TO CLIP ON</p> <p>7. MUST HAVE A CRAMPON COVER</p> <p>8. SHOES SIZE 36 TO 50.</p> <p>9. SHOULD BE CE EN/ UIAA CERTIFIED</p>
31.	ICE PITON TUBULAR	<p>1. FOR 13 CM WEIGHT SHOULD NOT BE MORE THAN 120 GRAMS</p> <p>2. FOR 17 OR 19 CM NOT MORE 135 GRAMS</p> <p>3. FOR 21 -22 CM NOT MORE 155 GRAMS</p> <p>4. MATERIAL :- HANGER: FORGED ALUMINIUM</p> <p>5. BODY: ALUMINIUM</p> <p>6. TIP: STAINLESS STEEL.</p> <p>7. SHOULD BE CE EN/UIAA CERTIFIED</p>
32.	ICE DAGGER	<p>1. SHOULD HAVE 35 cm SNOW SAW</p> <p>2. BLADE SHOULD BE EQUIPPED WITH A PROTECTIVE SHEATH</p> <p>3. SHOULD BE LASER -ETCHED MARKING WVERY 5 CM ON BLADE</p> <p>4. SHOULD BE MADE OF ALUMINIUM ALLOY / STEEL OR EQUIVALENT</p> <p>5. SHOULD HAVE RUBBER HARDENED GRIP</p> <p>6. SHOULD HAVE HOLE FOR LOOP ON THE TOP OF GRIP</p> <p>7. SHOULD BE LIGHT WEIGHT AND COMPACT SCABBERED</p> <p>8. SHOULD HAVE BAG/COVER FOR CARRING</p> <p>9. SHOULD BE COMPACT AND EASY TO CARRY</p> <p>10. SHOULD BE CE EN /UIAA CERTIFIED</p>
33.	ICE HAMMER	<p>1. WEIGHT : 400 TO 525 GM</p> <p>2. LENGTH :50 TO 60 CMS,</p> <p>3. HEAD: CHROMOLY STEEL, SHAFT - 7075 ALUMINIUM.</p> <p>4. GRIP: DUAL DENSITY. PICK : HAMMER</p> <p>5. SHOULD HAVE RUBBER GRIP AND HOLE IN THE SHAFT FOR ATTACHMENT OF CORD</p> <p>6. SHOULD NOT WEIGH MORE THAN 700 GRAMS</p> <p>1. SHOULD HAVE HOLE IN THE HEAD AND CURBED PICK</p> <p>7. SHOULD BE LIGHT AND COMPACT</p> <p>8. SHOULD BE CE EN /UIAA CERTIFIED</p>
34.	DEAD MAN ANCHOR PLATE	<p>1. SHOULD BE LIGHT WEIGHT</p> <p>2. SHOULD BE MADE OF GOOD QUALITY ALUMINIUM MATERIAL AND SUITABLE FOR MINUS 40 DEGREE TEMPERATURE.</p> <p>3. SHOULD BE ATTACHED STRONG STEEL CABLE FOR ANCHORING PURPOSE.</p> <p>4. SHOULD BE ABLE TO WORK IN ALL TYPES OF SNOW</p> <p>5. SHOULD BE CE EN /UIAA CERTIFIED</p>
35.	RAPPELING MITON	<p>1. SHOULD BE WATERPROOF TO HOLD UP TO THE CONSTANT HUMIDITY IN EXTREME CONDITIONS</p> <p>2. SHOULD BE LIGHTWEIGHT, COMPRESSIBLE, WARM , COMPACT , COMFORTABLE, -</p> <p>3. WEIGHT: SHOULD NOT EXCEED 200 G</p> <p>4. IT SHOULD BE DESIGNED AS A MITTEN & NOT FIVE FINGER GLOVE</p> <p>5. IT SHOULD BE MADE OF HIGH QUALITY CANVAS WITH LEATHER REINFORCEMENTS IN PALM & THUMB AREA</p>


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		6. IT SHOULD BE ABRASION & HEAT RESISTANT 7. IT SHOULD HAVE A UNIVERSAL SIZE 8. IT SHOULD HAVE A DOUBLE LAYERED CANVAS PADDING IN THE PALM AREA TO PROTECT FROM HEAT WHILE REPELLING
36.	ROPE LADDER 40 FEET	1. SHOULD BE MADE OF MINIMUM 3 MM GALVANIZED STEEL CABLE 2. SHOULD HAVE ALUMINIUM STEPS 3. SHOULD HAVE NYLON COATED STRAPS 4. .WEIGHT OF THE LADDER SHOULD NOT BE NOT MORE THAN 2500 GRAMS 5. 5.SHOULD HAVE 4 STEEL QUICK LINKS 4 EASY RIGING 6. LOAD CARRYING CAPACITY MAX 400KG. 7. SHOULD BE LIGHT AND EASY TO CARRY/TRANSPORT 8. DISTANCE BETWEEN TWO STEPS SHOULD BE MIN 30 CM
37.	ALUMINIUM PICKET 1 ½ FEET	1. SHOULD BE DURABLE AND EASY TO PLACE 2. SHOULD PROVIDE RELIABLE SNOW PROTECTION 3. SHOULD HAVE TAPPERED DRIVE TO PENETRATE EASILY 4. SHOULD ALLOW VERTICAL AND HORIZONTAL PLACEMENT 5. SHOULD BE IDEAL FOR RUNNING BELAY 6. LENGTH 45 CM 7. SHOULD BE MADE OF HIGH QUALITY ALUMINIUM 8. SHOULD BE MADE OF GOOD QUALITY ALUMINUM MATERIAL AND SUITABLE FOR MINUS 40 DEGREE TEMPERATURE 9. SHOULD BE ATTACHED STRONG STEEL CABLE FOR ANCHORING PURPOSE.
38.	ALUMINIUM PICKET 2 FEET	1. SHOULD BE DURABLE AND EASY TO PLACE 2. SHOULD PROVIDE FAST AND RELIABLE SNOW PROTECTION 3. SHOULD HAVE TAPPERED DRIVE TO PENETRATE EASILY 4. SHOULD ALLOW VERTICAL AND HORIZONTAL PLACEMENT 5. SHOULD BE IDEAL FOR RUNNING BELAY 6. LENGTH 60 CM 7. SHOULD BE MADE OF HIGH QUALITYALUMINIUM 8. SHOULD BE MADE OF GOOD QUALITY ALUMINUM MATERIAL AND SUITABLE FOR MINUS 40 DEGREE TEMPERATURE 9. SHOULD BE ATTACHED STRONG STEEL CABLE FOR ANCHORING PURPOSE.
39.	ALUMINIUM LADDER 9 FEET	1. SHOULD BE MADE OF BEST ALUMINIUM 2. WIDTH OF STEP SHOULD BE 25 INCH 3. DISTANCE BETWEEN ONE STEP TO ANOTHER STEP MIN 9 INCH 4. SHOULD HAVE RUBBER SHOE ON THE TOP AND BOTTOM OF THE LADDER 5. SHOULD HAVE HOLE ON THE BOTH SIDE OF THE LADDER AT THE BOTTOM AS WELL AS ON THE TOP 6. SHOULD BE LIGHT AND EASY TO CARRY 7. WEIGHT CAPACITY: 300 KG
40.	CRASH PAD	1. SIZE MIN 100 X 115 X 11 CM 2. SHOULD NOT WEIGH MORE THAN 10 KG 3. SHOULD HAVE MINIMUM 02 STRONG ALUMINIUM BUCKLE 4. SHOULD BE FOLDABLE AND WATER RESISTANT

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41.	HEAD LIGHT	<ol style="list-style-type: none"> 1. SHOULD HAVE LUMENS: 300+ 2. WEIGHT WITH BATTERIES 80 TO 100 GM, 3. MAX DISTANCES : HIGH 65 M 4. SHOULD HAVE MAXIMUM BURN TIME 100 HOURS OR MORE 5. SHOULD BE COMPATIBLE WITH RECHARGEABLE BATTERY 6. SHOULD HAVE POWER.BATTERIES : 3AAA 7. MINIMUM WARRANTY 5 YEARS 8. SHOULD BE RATED IPX 4 OR MORE
42.	MITTENS WOOLEN	<ol style="list-style-type: none"> 1. SHOULD BE MADE OF GOOD QUALITY 2. SHOULD BE FLEXIBLE, EASY TO WEAR AND SHOULD PROVIDE WARMTH 3. SHOULD BE CONVENIENT TO PUT ON 4. SHOULD BE SUITABLE FOR HEAVY DUTY 5. SHOULD FACILITATE MOVEMENT OF FINGER COMFORTABLY AND EASILY 6. DIFFERENT COLOUR SHOULD BE AVAILABLE 7. THE COMPOSITION SHOULD BE 80% MARINO WOOL AND 20% POLYESTER. 8. SHOULD PROVIDE PROTECTION UP TO MINUS (-) 10 °C 9. WEIGHT SHOULD NOT BE LESS THAN 100 GRAMS
43.	DUFFLE BAG	<ol style="list-style-type: none"> 1. MADE FROM DURABLE LAMINATE MATERIAL, MAIN COMPARTMENT WITH INTERNAL MESH POCKETS LOCKING ZIPPERS, REINFORCED BASE ,D-ZIP OPENING WITH ZIPPER FLAP TWIN HAUL HANDLES EXTENDING TILL BASE, RUGGED CONSTRUCTION WITH EXTRA BAR TACKS AND DOUBLE STITCHING 2. SHOULD HAVE VOLUME OF 80 LITRES OR MORE 3. WEIGHT SHOULD NOT BE MORE THAN 2100 GRAMS 4. SHOULD HAVE DETACHABLE SHOULDER STRAP 5. SHOULD HAVE YKK ZIP 6. SHOULD BE WATERPROOF 7. DIMENSIONS NOT MORE THAN 65X37X36CM 8. SHOULD HAVE DAISY CHAIN LASH POINTS. 9. INNER MESH SECURITY POCKET
44.	ROCK DRILL MACHINE BATTERY OPERATED	<ol style="list-style-type: none"> 1. SHOULD BE COMPACT 2. SHOULD BE CONVENIENT FOR HARD SURFACE / MATERIAL, SUCH AS WOOD, ROCK WALL AND CONCRETE ETC 3. SHOULD HAVE POWERFULLAND EFFICIENT MOTOR TO FACILITATE LONG WORKING HOURS 4. SHOULD BE SUITABLE FOR PERFORMING HEAVY DUTY SMOOTHLY AND SAFELY 5. SHOULD PROVIDE AUTOMATIC BIT LOCKING SYSTEM 6. SHOULD HAVE FACILITY OF BATTERY AND ELECTRIC OPERATION 7. POWER NOT LESS THAN 800 WATT 8. WEIGHT OF MACHINE SHOULD NOT BE MORE THAN 1000 GRAMS. 9. MINIMUM 1 YEAR WARRANTY 10. SHOULD BE DULY CERTIFIED- BIS/ISI
45.	WIND PROOF JACKET TENACITY DESCENT GTX	<ol style="list-style-type: none"> 1. BODY FABRIC 3 LAYER SHELL 2. ULTRA-BREATHABLE, 3. ULTRA-LIGHTWEIGHT, 4. SHOULD BE 100% WIND PROOF/ WATER PROOF CONSTRUCTED FROM GORE-TEX 3 LAYERED FABRIC AND DUAL GORE-TEX TECHNOLOGY, MAIN FABRIC 75 D GORE-TEX 5. SHOULD BE ATTACHED WITH FULLY ADJUSTABLE HOOD,


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		6. SHOULD HAVE ALPINE CHEST POCKETS, 7. MUST BE CONSTRUCTED WITH VISLON/ AQUAGUARD CENTRAL FRONT ZIP- YKK 8. SHOULD BE 2 HAND POCKETS WITH YKK AQUAGUARD/WR ZIPS 9. MUST HAVE YKK PIT ZIPS FOR VENTING, 10. SHOULD BE WATERPROOF 28000MM OR MORE 11. TAPED SEAMS THROUGH OUT. 12. MUST HAVE NON-ABRASIVE ADJUSTABLE VELCRO CUFF TABS, 13. SHOULD NOT WEIGH MORE THAN 550 GRAMS.
46.	WIND PROOF TROUSER TENACITY DESCENT GTX	1. SHOULD BE WIND & WATERPROOF - 28000 MM OR MORE. 2. SHOULD BE SOFT AND BREATHABLE 3. SHOULD BE MID-WEIGHT DOUBLE-WEAVE SOFT SHELL REINFORCED WITH FLEXIBLE DURABLE SOFT SHELL PANELS LEG ZIP, TUNNEL BELT WITH COMPOSITE BUCKLE, ADJUSTABLE WAIST TAB, SLANT HAND POCKETS, ARTICULATED KNEE FOR UNRESTRICTED MOVEMENTS 4. SHOULD HAVE SEAM SEALED AIR SHIELD ELITE FLEECE/ GORE-TEX THREE LAYERED SHELL CONSTRUCTION, MAIN FABRIC 75D GORE-TEX OR BETTER. 5. SHOULD BE 100% WIND PROOF FABRIC, 6. MUST HAVE REINFORCED ZONES. 7. MUST HAVE TWO WAYS FULL ¾ LENGTH SIDE ZIPS.
47.	FEATHER JACKET GTX	1. FABRIC BODY : : 15D2L BODY FABRIC/GORETEX WINDSTOPPER 2. CONTENT - 90/10 (90% Down & 10% Feathers) 3. INSULATION : MINIMUM 230 GRAM GOOSE DOWN IN SIZE L 4. SHOULD BE 800 FILL POWER GOOSE DOWN FILLED RESPONSIBLE DOWN 5. STANDARD (RDS) CERTIFIED 6. DOWN CODEX CERTIFIED 7. SHOULD NOT WEIGH MORE THAN 800 GRAM 8. SHOULD HAVE HAND WARM POCKETS 9. TWO INSIDE POCKETS AND ONE CHEST POCKET OUTSIDE 10. SHOULD HAVE DETACHABLE HOOD 11. SHOULD BE LIGHT AND BREATHABLE 12. SHOULD BE SUITABLE FOR TEMP UP TO MINUS (-) 30°C 13. SHOULD HAVE TWO WAY CENTRE FRONT ZIP 14. SHOULD HAVE VELCRO/ ELASTICATED CUFF TABS 15. SHOULD HAVE ONE HANDED DRAW CORDS FOR QUICK ADJUSTMENTS.
48.	MITTON FEATHER	1. SHOULD HAVE PETTEX QUANTUM FABRIC WITH REINFORCE PALM AND HIGH WEAR AREAS/ GORETEX WINDSTOPPER 2. SHOULD HAVE BE PRIMA LOFT GOLD INSULATION 3. WATER PROOF, WIND PROOF & BREATHABLE, 4. PRIMA LOFT INSULATION WITH GORE-TEX FABRIC. 5. 800 FILL GOOSE DOWN. 90/10 (90% DOWN AND 10 % FEATHER. 6. TWO LAYER REINFORCED WATER- RESISTANT LEATHER PALMS, 7. VELCRO AT THE WRIST, SINGLE HAND OPERABLE CUFFS. 8. REINFORCED FINGER TIPS AND WIDE OPENING, 9. SHOULD HAVE THICK FLEECE LINER WITH A TIGHT GRIP AND A CARABINEER LOOP. 10. SHOULD NOT WEIGH MORE THAN 250 GRAMS. 11. SHOULD PROVIDE PROTECTION UP TO MINUS 40° C
49.	SLEEPING BAG DOWN FEATHER	1. SHOULD BE 100% WATER/ WIND PROOF GORE-TEX FABRIC OR EQUIVALENT 2. INSULATION QUALITY SHOULD BE 700 GRAM OR MORE 800 FILL POWER GOOSE FILL DOWN 90/10 (90% Down & 10% Feathers).



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		<p>WITH RDS (RESPONSIBLE DOWN STANDARD)/ DOWN CODEX CERTIFIED</p> <ol style="list-style-type: none"> 3. PREVENT GAPING AND COLD PENETRATION-3D, 4. INSULATION FOR USE IN HARSH CLIMATIC CONDITION, 5. ZIPPER BACKED WITH INTERNAL REINFORCEMENT; 6. DOWN FILLED STORM DOWN QUALITY GOOSE, 7. SHOULD PROVIDE COMFORT UP TO -35 C OR BETTER. 8. SHOULD HAVE A BAFFLE DESIGN, 9. PRODUCT WEIGHT SHOULD NOT EXCEED 2145 GRAMS, 10. DESIGN SHOULD OFFER HIGH-TECH FOOT BOX, HOOD DESIGN AND DRAFT COLLAR. 11. OUTSIDE FABRIC SHOULD BE OF POLYAMIDE NYLON OR EQUIVALENT
50.	CLIMBING SHIRT	<ol style="list-style-type: none"> 1. MADE WITH BACK COUNTRY CLOTH AND TESTED NYLON, 2. SHOULD HAVE ADVANCED REPELLENCY FROM WATER AND STAIN, 3. SUN PROTECTION WITH AT LEAST UPF 30 4. MULTI FUNCTIONAL POCKETS, IS VENTED AND HAS A UTILITY LOOP SUNGLASS CLEANING PETCH ROLLUP SLEEVE, 5. SUN PROTECTION COLLAR
51.	CLIMBING TROUSER	<ol style="list-style-type: none"> 1. ASCENDER FABRIC; LIGHT, TOUGH AND FAST DRYING, 2. ALPINE FIT WITH ARTICULATED KNEE AND GUSSETED CROTCH, 3. 2 FRONT POCKETS WITH MESH INSERTS, 4. ZIPPED REAR AND THY POCKETS WITH MESH INSERTS, 5. INTEGRATED BELT WITH BUTTON WAIST CLOSURE, 6. MICRO-FLEECE LINED WAISTBAND FOR IMPROVED COMFORT 7. WEIGHT: LESS THAN 350 GRAMS.
52.	OVER ALL FOR MOUNTAINEE RING (DANGRI)	<ol style="list-style-type: none"> 1. DOWN QUALITY SHOULD BE GOOSE DOWN 2. INSULATION QUALITY SHOULD BE 850 GOOSE FILL DOWN 3. SHELL SHOULD BE 100% POLYAMIDE NYLON 6-6 RIPSTOP DWR TREATMEN 4. INSULATION: Q. SHIELD TM. DOWN 800 FILL., 5. WEIGHT : LESS THAN 1.90 KG, 6. SHOULD HAVE A COLOUR COMBINATION OF ORANGE AND BLACK FOR ABUNDANT LIGHT REFLECTIVITY. 7. 6-SLIDER WATERTIGHT RAINBOW REAR-ZIP FOR EASY ON/OFF 8. SHOULD HAVE WELDED BAFFLE CONSTRUCTION. 9. SHOULD HAVE TWO WAY CENTRE FRONT ZIP, 10. MUST BE COATED WITH DURABLE WATER REPELLENT. 11. SHOULD HAVE ADJUSTABLE BAFFLE HOOD, 12. SHOULD HAVE FULL LEG ZIPS, 13. SHOULD HAVE CHEST POCKETS 14. TOTAL WEIGHT SHOULD NOT BE MORE THAN 1650 GRAMS
53.	TWO MEN TENT GTX	<ol style="list-style-type: none"> 1. SHOULD BE EASY TO PITCH 2. SHOULD HAVE TWO DOORS FOR EASY ACCESS 3. SHOULD HAVE REMOVABLE VESTIBULE 4. SHOULD HAVE TOP VENTS TO INCREASE BREATHABILITY AND STABILITY 5. SHOULD ACCOMMODATE TWO PERSONS COMFORTABLY 6. SHOULD HAVE INTERNAL POCKETS FOR STORAGE OF STUFF 7. FABRIC SHOULD BE DURABLE POLYESTER WITH A WATERPROOF COATING. 8. FLOOR FABRIC SHOULD BE HEAVY-DUTY, WATER-RESISTANT MATERIAL 9. WEIGHT SHOULD NOT BE MORE THAN 2.5 KG. 10. SEPARATE BAG FOR TENT STAKES AND PEGS

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		<p>11. SHOULD HAVE SEPARATE OUTER FLY OF THE TENT</p> <p>12. TENT POLE SHOULD BE OF FIBERGLASS OR ALUMINUM POLES FOR STRENGTH AND LIGHTWEIGHT PERFORMANCE</p> <p>13. SHOULD HAVE MOSQUITO MESH INNER DOOR</p> <p>14. DIMENSIONS:</p> <ul style="list-style-type: none"> FLOOR AREA: ABOUT 30-35 SQ FT (2.8-3.3 SQ M) PEAK HEIGHT: APPROXIMATELY 40-45 INCHES (102-114 CM) <p>□ PACKED SIZE: AROUND 21 X 6 INCHES</p>
54.	THREE MEN TENT GTX	<p>1. SHOULD BE EASY TO PITCH</p> <p>2. SHOULD HAVE TWO DOORS FOR EASY ACCESS</p> <p>3. TENT POLE SHOULD BE OF 9.5MM ALUMINUM POLES FOR STRENGTH AND LIGHTWEIGHT PERFORMANCE</p> <p>4. SHOULD HAVE REMOVABLE VESTIBULE</p> <p>5. SHOULD HAVE TOP VENTS TO INCREASE BREATHABILITY AND STABILITY</p> <p>6. MATERIAL SHOULD BE FREE OF FIRE-RETARDANT CHEMICALS</p> <p>7. SHOULD ACCOMMODATE THREE PERSONS COMFORTABLY</p> <p>8. SHOULD HAVE INTERNAL POCKETS FOR STORAGE OF STUFF</p> <p>9. FABRIC SHOULD BE DURABLE POLYESTER WITH A WATERPROOF COATING.</p> <p>10. FLOOR FABRIC SHOULD BE HEAVY-DUTY, WATER-RESISTANT MATERIAL</p> <p>11. WEIGHT SHOULD NOT BE MORE THAN 4.5 KG</p> <p>12. SEPARATE BAG FOR TENT STAKES AND PEGS</p> <p>13. SHOULD HAVE SEPARATE OUTER FLY OF THE TENT</p> <p>14. TENT POLE SHOULD BE OF FIBERGLASS OR ALUMINUM POLES FOR STRENGTH AND LIGHTWEIGHT PERFORMANCE</p> <p>15. SHOULD HAVE MOSQUITO MESH INNER DOOR</p> <p>16. DIMENSIONS:</p> <ul style="list-style-type: none"> FLOOR AREA: ABOUT 50-60 SQ FT (4.6-5.6 SQ M) PEAK HEIGHT: APPROXIMATELY 48-54 INCHES (122-137 CM) PACKED SIZE: AROUND 21 X 7 INCHES
55.	FOUR MEN TENT GTX	<p>1. SHOULD BE EASY TO PITCH</p> <p>2. SHOULD HAVE TWO DOORS FOR EASY ACCESS</p> <p>3. TENT POLE SHOULD BE 11MM ALUMINUM POLES FOR STRENGTH AND LIGHTWEIGHT PERFORMANCE</p> <p>4. SHOULD HAVE REMOVABLE VESTIBULE</p> <p>5. SHOULD HAVE TOP VENTS TO INCREASE BREATHABILITY AND STABILITY</p> <p>6. SHOULD ACCOMMODATE FOUR PERSONS COMFORTABLY</p> <p>7. SHOULD HAVE INTERNAL POCKETS FOR FOR ORGANIZING SMALL GEAR AND PERSONAL ITEMS</p> <p>8. FABRIC SHOULD BE DURABLE POLYESTER WITH A WATERPROOF COATING.</p> <p>9. FLOOR FABRIC SHOULD BE HEAVY-DUTY, WATER-RESISTANT MATERIAL</p> <p>10. MATERIAL SHOULD BE FREE OF FIRE-RETARDANT CHEMICALS</p> <p>11. WEIGHT SHOULD NOT BE MORE THAN 6.0 KG.</p>

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		<p>12. SEPARATE BAG FOR TENT STAKES AND PEGS</p> <p>13. SHOULD HAVE SEPARATE OUTER FLY OF THE TENT</p> <p>14. TENT POLE SHOULD BE FIBERGLASS OR ALUMINUM POLES FOR STRENGTH AND LIGHTWEIGHT PERFORMANCE</p> <p>15. SHOULD HAVE MOSQUITO MESH INNER DOOR</p> <ul style="list-style-type: none"> o DIMENSIONS:- FLOOR AREA: AROUND AROUND 60 TO 70 SQ FT (9.3 SQ M) o PEAK HEIGHT: APPROXIMATELY 52 INCHES (147 CM) o PACKED SIZE: ABOUT 23 X 6 INCHES
56.	MOUNTAINEER RING CAMP CHAIR	<p>1. DIMENSION SHOULD NOT BE LESS THAN 24 X 18 X 36 INCH (LENGTH, WIDTH, HEIGHT)</p> <p>2. SHOULD BE DETACHABLE/FOLDABLE FOR COMPACT TRANSPORTATION</p> <p>3. SHOULD BE DURABLE AND BREATHABLE</p> <p>4. SHOULD BE MADE OF HIGH QUALITY FABRIC</p> <p>5. SHOULD HAVE CARRYING BAG FOR TRANSPORTATION AND STORAGE</p> <p>6. SHOULD BE LIGHT WEIGHT.</p> <p>7. LOAD HOLDING CAPACITY NOT LESS THAN 150 KG</p>
57.	INFLATED CAMPING LIGHT	<p>1. SHOULD BE PETROL / DIESEL OPERATED</p> <p>2. SHOULD HAVE FOUR STROKE OVER HEAD BULB</p> <p>3. SHOULD HAVE REWIND STARTER AND FORCED AIR COOLING</p> <p>4. VOLTAGE MIN 230 V</p> <p>5. SHOULD HAVE METAL HALIDE LAMP</p> <p>6. POWER OF LAMP NOT LESS THAN 400 W</p> <p>7. WEIGHT NOT ABOVE 45 KG</p> <p>8. SHOULD HAVE BOTTOM BASED REINFORCEMENT</p> <p>9. HEIGHT OF BALLOON NOT LESS THAN 4030 MM</p> <p>10. DIAMETER OF BALLOON NOT LESS THAN 400MM</p> <p>11. SHOULD BE IN POSITION TO OPERATE 6 TO 8 HOURS</p> <p>12. SHOULD HAVE WASHABLE BALLOON CLOTH</p> <p>13. SHOULD HAVE BASE FRAME, TOP COVER AND RUBBER PADS</p> <p>14. MINIMUM WARRANTY 2 YEARS</p> <p>15. SHOULD BE DULY CERTIFIED- BIS/ISI</p>
58.	MULTIPURPOSE KNIFE WITH PLIER	<p>1. HEIGHT 21 TO 23 MM,</p> <p>2. LENGTH 91 TO 93 MM,</p> <p>3. WEIGHT 95 TO 125 GM</p> <p>4. LARGE BLADE, SMALL BLADE, CAN OPENER, SCREWDRIVER 3 MM, BOTTLE OPENER, SCREWDRIVER 6 MM WIRE STRIPPER, REAMER, PUNCH AND SEWING AWL, CORKSCREW, SCISSORS, WOOD SAW, MULTIPURPOSE HOOK, TOOTHPICK, TWEEZERS, KEY RING.</p> <p>5. SHOULD BE MADE OF STAINLESS STEEL</p> <p>6. SHOULD BE STRONG AND DURABLE</p>
59.	BOOT MARCHING	<p>1. SHOULD BE GORE-TEX COMFORT AND LIGHT SHOE</p> <p>2. SHOULD BE BREATHABLE AND WATER PROOF</p> <p>3. SHOULD HAVE VIBRAM SOLE</p> <p>4. SHOULD NOT WEIGH MORE THAN 680 GRAMS</p> <p>5. SHOULD HAVE HIGHLY COMFORTABLE INTERIOR WITH EXTRA PADDING AROUND ANKLE</p> <p>6. SHOULD HAVE LACE LOCKER</p>
60.	MOUNTAIN WALKING STICK FOLDING	<p>1. SHOULD BE STRONG, LIGHT WEIGHT AND LOW IMPACT</p> <p>2. POLES SHOULD BE ALUMINUM OR CARBON FIBER</p> <p>3. GRIP SHOULD BE OF FOAM OR RUBBER GRIP FOR COMFORT AND</p>


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		<p>DURABILITY</p> <ol style="list-style-type: none"> SHOULD HAVE ADJUSTABLE TWIST LOCKING SYSTEM TO QUICKLY LENGTHEN THE POLE GRIP SHOULD BE COMFORTABLE AND MOISTURE WICKING SHOULD BE SHOCK ABSORBANT SHOULD HAVE STABLE MATERIAL TO BE USED IN HIGH ALTITUDE AND COLD WEATHER MATERIAL SHOULD BE WEATHER RESISTANT, CORROSION PREVENTING AND FREE FROM TEMPERATURE INFLUENCE SHOULD NOT WEIGH MORE THAN 680 GRAMS LENGTH SHOULD BE ADJUSTABLE, USUALLY RANGING FROM 63 TO 130 CM (25 TO 51 INCHES)
61.	BOOT CLIMBING	<ol style="list-style-type: none"> SHOULD PROVIDE INSULATION PROTECTION AND WARMTH UP TO -60° C OR FOR HIGHEST ALTITUDE. SHOULD HAVE WATERPROOF REINFORCED KNEE LENGTH GORE-TEX GAITERS OR EQUIVALENT. UPPER SHOULD HAVE ANTI PERFORATION CORDURA OR EQUIVALENT. SHOULD HAVE WATERPROOF REINFORCED KNEE LENGTH GORE-TEX GAITERS SHOULD HAVE REMOVABLE INNER BOOT. MUST BE CRAMPON COMPATIBLE WITH CRAMPONS AND TO BE SEMI RIGID. MUST HAVE VIBRAM OUTSOLE. MUST HAVE MICRO CELLULAR OR EQUIVALENT MID SOLE FOR LIGHTWEIGHT & SHOCK ABSORPTION. MUST HAVE QUICK FIT INSIDE LIGHTENER. WEIGHT SHOULD NOT EXCEED 2.6 KGS.
62.	FIX ROPE MULTIPURPOSE 100 MTRS	<ol style="list-style-type: none"> SHOULD BE MADE OF POLY POPLENE / PLASTIC DIAMETER 8 TO 12 MM SHOULD BE DURABLE AND COMPACT SHOULD BE WATERPROOF, ABRASION RESISTANT STATIC STRENGTH SHOULD NOT BE LESS THAN 30 KN 01 COIL SHOULD NOT BE LESS THAN 100 FEET
63.	SNOW HIKER	<ol style="list-style-type: none"> SHOULD BE COMFORTABLE AND EASY TO PUT ON SHOULD HAVE ALUMINIUM ALLOY TEETH FOR GRIPPING THE SNOW SHOULD BE MADE OF ALUMINIUM/FORGED ALUMINIUM ALLOY SIZE- 25 INCH/ 27INCH/ 29 INCH. WEIGHT NOT MORE THAN 3 KG SHOULD BE LIGHT WEIGHT, DURABLE AND WATER RESISTANT SHOULD PROVIDE FLEXIBILITY TO WALK SHOULD HAVE DOUBLE ADJUSTABLE BLINDINGS WITH QUICK RELEASE BUCKLES MAKE DONNING AND DOFFING QUICK AND SIMPLY. SHOULD HAVE STURDY ALUMINIUM ALLOY FRAME SHOULD FACILITATE TO RELEASE THE BELT BUCKLE


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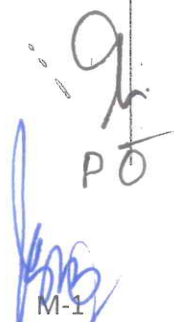

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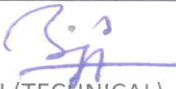




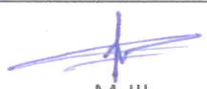



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NO CHANGES RECOMMENDED IN EXISTING QRS

64.	SOCKS WOOLEN 8 PLY	<ol style="list-style-type: none"> 1. THE COMPOSITION SHOULD BE 75% MARINO WOOL AND 25% NYLON 2. SHOULD BE SUITABLE FOR HEAVY DUTY 3. SHOULD BE EASY TO WASH AND DRY 4. SHOULD BE COMFORTABLE AND PROVIDE WARMTH 5. SHOULD PROVIDE PROTECTION UP TO MINUS (-) 25°C 6. SHOULD HAVE EXTRA TOE AND HEAL REINFORCEMENT 7. SHOULD BE DOUBLE LAYERED
65.	STOCKING WOOLEN	<ol style="list-style-type: none"> 1. FABRIC SHOULD BE MARINO WOOL 75% AND 25% NYLON 2. SHOULD PROVIDE HEAVY DUTY 3. SHOULD SUITABLE TO WEAR SOCKS JUST BELOW THE KNEES 4. SHOULD BE SUITABLE FOR CLIMBING SUBZERO TEMP 5. SHOULD FACILITATE TO DRY QUICKLY 6. SHOULD BE COMFORTABLE TO WEAR 7. SHOULD HAVE EXTRA TOE AND HEAL REINFORCEMENT 8. SHOULD BE DOUBLE LAYERED
66.	JERSY WOOLEN 08 PLY	<ol style="list-style-type: none"> 1. 100% PURE WOOL 2. SHOULD BE REVERSIBLE 3. SHOULD BE FULL SLEEVES AND HIGH NECK 4. SHOULD BE LIGHT WEIGHT AND PROVIDE WARMTH 5. SHOULD BE SUITABLE FOR SUBZERO TEMP 6. SHOULD BE MADE OF GOOD QUALITY WOOL AND SUITABLE TO HEAVY DUTY
67.	TOILET TENT	<ol style="list-style-type: none"> 1. SHOULD BE MADE OF HIGH QUALITY FABRIC 2. SHOULD BE WATER PROOF AND WIND PROOF 3. FABRIC NYLON, POLYESTER OR EQUIVALENT AND FLEXIBLE POLE 4. SHOULD HAVE MESH ROOF AND WINDOW FOR AIR CIRCULATION 5. SHOULD HAVE MESHED NET ON FRONT AND BACK SIDE WALL 6. POLE SHOULD BE OF ALUMINIUM MADE 7. DIMENSION (UNFOLDED) (IN CM) MIN 195 X 120 X 120 CM 8. THERE SHOULD BE LOOPSINSIDE TENT FOR HANGING OF LIGHT 9. ENTRANCE SHOULD HAVE ZIPPER FACILITY
68.	BATH ROOM TENT	<ol style="list-style-type: none"> 1. MATERIAL SHOULD BE DURABLE AND NON-TRANSPARENT 2. SHOULD HAVE FACILITY OF SHOWER POINT 3. SHOULD ALLOW TO PITCH ON ANY KIND OF SURFACE 4. SHOULD BE WATER AND WIND PROOF 5. SHOULD HAVE MESHED NET ON FRONT AND BACK SIDE WALL 6. SHOULD HAVE LOOPS INSIDE TENT FOR HANGING OF LIGHT 7. SHOULD BE WELL VENTILATED 8. ENTRANCE SHOULD HAVE ZIPPER FACILITY 9. SIZE SHOULD NOT LESS THAN (IN CM) LENGTH, WIDTH, HEIGHT 195 X 120 X 120 CM
69.	KITCHEN TENT	<ol style="list-style-type: none"> 1. SIZE LENGTH, WIDTH, HEIGHT (11 X 8 X 8 FEET) WITH STORE SIZE 25X4X8 FEET 2. GROUND SHEET SHOULD BE MADE OF HIGH QUALITY CANVAS SHEET OR EQUIVALENT 3. SHOULD HAVE WINDOWS ON THE SIDE WALL 4. MOSQUITO NET ON THE SIDE WALL 5. FLAPS FOR CLOSING THE WINDOW 6. ENTRANCE SHOULD HAVE ZIPPER FACILITY 7. SHOULD BE 100% WATERPROOF 8. BEST QUALITY MESH NET BE USED FOR WINDOW AND GATE 9. SHOULD HAVE ALUMINIUM POLE / ACCESSORIES FOR ERECTING


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		<p>THE TENT</p> <p>10. SHOULD HAVE FOUR LOOPS AT EQUAL DISTANCE FOR HANGING LIGHTS</p> <p>11. SHOULD HAVE TWO WINDOWS ON EACH SIDE OF THE WALL</p> <p>12. SHOULD HAVE FLAP TO COVER AND MOSQUITO MESH NET</p> <p>13. FRONT /REAR GATE SHOULD HAVE ZIPPER AND MOSQUITO MESH NET FACILITY</p> <p>14. SHOULD BE WATER RESISTANT AND WINDPROOF</p> <p>15. INNER FABRIC SHOULD BE MADE OF HIGH QUALITY CANVAS</p>
70.	DINNING TENT	<p>1. SIZE LENGTH , WIDTH , HEIGHT (14 X 12 X 9 FEET) (SIDE WALL 3.5 FEET)</p> <p>2. GROUND SHEET SHOULD BE MADE OF HIGH QUALITY SHEET</p> <p>3. SHOULD HAVE WINDOWS ON THE SIDE WALL</p> <p>4. MOSQUITO NET ON THE SIDE WALL</p> <p>5. FLAPS FOR CLOSING THE WINDOW</p> <p>6. ENTRANCE SHOULD HAVE ZIPPER FACILITY</p> <p>7. SHOULD BE 100% WATERPROOF</p> <p>8. BEST QUALITY MESH NET BE USED FOR WINDOW AND GATE</p> <p>9. SHOULD HAVE ALUMINIUM POLE / ACCESSORIES FOR ENTERING THE TENT</p> <p>10. SHOULD HAVE FOUR LOOPS AT EQUAL DISTANCE FOR HANGING LIGHTS</p> <p>11. SHOULD HAVE FOUR WINDOWS ON EACH SIDE OF THE WALL</p> <p>12. SHOULD HAVE FLAP TO COVER AND MOSQUITO MESH NET</p> <p>13. FRONT /REAR GATE SHOULD HAVE ZIPPER AND MOSQUITO MESH NET FACILITY</p> <p>14. OUTER FLY SHOULD BE MADE OF HEAVY DUTY NYLON</p> <p>15. SHOULD BE WATER RESISTANT AND WINDPROOF</p> <p>16. INNER FABRIC SHOULD BE MADE OF HIGH QUALITY CANVAS</p>
71.	EXTENDABLE TENT	<p>1. DIMENSION OF TENT MIN 4 X 4 MTR</p> <p>2. SHOULD BE ABLE TO ACCOMMODATE 04 PERSONS</p> <p>3. SHOULD BE WATERPROOF AND DURABLE</p> <p>4. SHOULD NOT BE MORE THAN 120 KG</p> <p>5. FABRIC SHOULD BE MADE OF CANVAS / EQUIVALENT</p> <p>6. SHOULD BE EASY TO PITCH</p> <p>7. SHOULD HAVE TWO WINDOWS EACH ON BOTH SIDES</p> <p>8. SHOULD HAVE VENTILATER ON THE TOP</p> <p>9. POLE SHOULD BE MADE OF ALUMINIUM ALLOY FRAME</p> <p>10. INNER FLY SHOULD BE MADE OF NYLON /EQUIVALENT FABRIC</p> <p>11. SHOULD HAVE ATTACHED NYLON ROPE ALL SIDE TO SECURE THE STRUCTURE</p> <p>12. SHOULD HAVE U PIN FOR ERECTING TENT FIRMLY</p> <p>13. SHOULD HAVE TWO WAY ZIPPER CLOSER SUPPORTED BY VELCRO ON FRONT AND REAR GATE</p> <p>14. SHOULD HAVE FOUR LOOPS INSIDE THE TENT FOR HANGING LIGHT</p> <p>15. INNER POCKETS ON BOTH SIDES</p> <p>16. SHOULD HAVE MESH NET BOTH AT FRONT AND REAR GATE</p>


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72.	MOUNTAINEE RING CAMP TABLE	<ol style="list-style-type: none"> 1. SHOULD BE LIGHT WEIGHT AND STRONG TO WITHSTAND WIND/STORM 2. PREFERABLY SHOULD BE MADE OF ALUMINIUM FRAME 3. SHOULD BE WASHABLE AND FOLDABLE 4. LENGTH SHOULD NOT BE LESS THAN 42 INCH 5. SHOULD BE COMPACT ULTRA-LIGHT AND DURABLE
73.	MOUNTAINEE RING CAMPING STOOL	<ol style="list-style-type: none"> 1. SHOULD BE MADE OF 100% ALUMINIUM / STEEL STRUCTURE AND FABRIC 100% POLESTAR / NYLON 2. LOAD CAPACITY NOT LESS THAN 150 KG 3. SHOULD BE DURABLE AND ANTI-CORROSIVE 4. SHOULD BE LIGHT AND EASY TO CARRY
74.	BOOT ROCK CLIMBING	<ol style="list-style-type: none"> 1. UPPER MATERIAL LEATHER 2. SOLE SHOULD BE MADE OF RUBBER 3. SHOULD BE COMFORTABLE AND BREATHABLE 4. SHOULD BE HIGH QUALITY AND DURABLE 5. SHOULD BE LIGHT WEIGHT AND EASY TO WEAR 6. SHOULD PROVIDE RUBBER PATCH ON THE ANKLE AS WELL AS ON THE TOP 7. SHOULD NOT WEIGH LESS THAN 225 GRAMS
75.	ALUMINIUM STRETCHER (UT 2000)	<ol style="list-style-type: none"> 1. SHOULD BE VERY LIGHT AND VERSATILE CARRYING DEVICE 2. TUBULAR FRAME MADE FROM HIGH STRENGTH ALUMINIUM ALLOY 3. SHOULD HAVE WIDE AND PADDED SHOULDER BELT 4. SHOULD HAVE FACILITY TO DIVIDE IN TWO HALF FOR EASY TRANSPORT 5. DURABLE AND SCRATCH RESISTANCE 6. SHOULD FACILITATE GLIDING ABILITIES 7. MULTIFUNCTIONAL HAND BREAKING BELTS FOR THE FIXATION OF INJURED & LOAD 8. SHOULD HAVE SHOULDER STRAP AND HIP BELT 9. SHOULD HAVE HEIGHT ADJUSTMENT STRAPS
76.	WATER BOTTLE SPECIAL	<ol style="list-style-type: none"> 1. SHOULD BE VACUUM INSULATED CONSTRUCTION 2. SIZE SHOULD NOT BE LESS THAN ONE LTR 3. SHOULD BE LIGHT WEIGHT AND CONVENIENT TO CARRY 4. SHOULD HAVE CONVENIENT LOOP ON THE TOP ATTACHMENT WITH LID 5. SHOULD HAVE HOLSTER/COVER TO CARRY THE BOTTLE 6. SHOULD HAVE WIDE MOUTH TO MAKE IT EASY TO FILL 7. WEIGHT SHOULD NOT BE MORE THAN 200 GRAMS 8. SHOULD BE LEAK PROOF 9. SHOULD BE COMPACT AND DURABLE
77.	KHUKRI WITH SCABBARD	<ol style="list-style-type: none"> 1. BLADE SHOULD BE MADE OF STAINLESS STEEL 2. SCABBARD SHOULD BE MADE OF LEATHER 3. SIZE BETWEEN 9 TO 12 INCH OR AS PER REQUIREMENT 4. SIZE OF HANDLE SHOULD BE 4 TO 5 INCH 5. THICKNESS OF BLADE SHOULD NOT BE LESS THAN 03 MM

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APPENDIX - "C"

SL.NO.	ITEMS AVAILABLE AT SSBN (SCME/ECC &E)
1	UNDER SHIRT WOOLEN
2	UNDER PANT WOOLEN
3	SNOW SHOVEL
4	ICE AXE SPECIAL
5	CARRY MAT
6	GAITER LARGE
7	SLEEPING BAG SIACHEN

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