

SPECIFICATION OF MOUNTAINEERING EQUIPMENT		
SL No	Equipment Name	Specifications
1	Socks Woollen ✓	i. Min Temperature: -25 °C (Certified by the OEM) ii. Main Fibers: Thermolite, Fiber Lycra or equivalent iii. Technology: Toe and heel reinforcements For the activities of: Trekking, mountaineering iv. Max- 150 gms
2	Socks Liners ✓	i.. Main Fibres- Polyester, Lycra fiber, thermolite ii. Toe and Heel Reinforcement iii. Compatible with Socks Woollen
3	Sleeping Bag (High Altitude) ✓	i. Weight: Up to 2 Kg ii. Temperature rating : -30°C (Certified by the OEM) iii. 30 Dinier - 35 Dinier Pertex Quantum (50-60 gsm) or equivalent with fluorocarbon-free durable water repellent. iv. 750 gms/Goose down v. Outer Cover included (Water resistant/or water proof. outer fabric) vi. Mummy shape- hood with draw cord vii. Outer shell water repellent viii. RDS certified ix. Heavy Duty (YKK)
4	Liner for Sleeping Bag	i. Material- Silk/Polyester ii. Weight- Max. 300 gms iii. Size- as per requirement iv. Stuff sack v. Mummy shape, Light weight and packable vi. Dimensions Approx : 92cm x 185cm (±5%)
5	Crampons ✓	i. Two toothed, vertical front points ii. 12-point crampons for better bite and comfort when walking iii. ANTI BOT system or equivalent iv. Compatibility with climbing boots and gaiter v. Adjustable for all sizes of boot. vi. With full set of additional straps. vii. With UIAA Safety label (153)
6	ICE Screw ✓	i. Light Weight ii. Integrated handle iii. Length: 13 to 22 cm ( As per individual requirement) iv. Certification: UIAA (151)
7	Snow Stake ✓	i. Set of 8 assorted sizes ii. Small (2), Medium (3). Long (3). iii. Weight: 250-300 gm iv. Length: 64-144cm/26"-57" v. Material: Aluminium alloy/ Aviation grade Aluminium vi. Angle size: 45-50x45-50mm With Webbing cover Construction with holes

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S/L No	Equipment Name	Specifications
13	Carry Mattress ✓	i. Carry Mat is also known as Ground Mat or Rest Pad ii. Lightweight and Water-resistant iii. Material: EVA Foam Sheet, Thickness –min 10 mm iv. Weight: less than 500 gm, v. Pack Size: 24”-29”x8”x 8”(it should be outer packing bag of nylon) Length & Width Min. (72 x 24 ) inches vi. Having good Thermal Insulation Value (4.5) vii. waterproof cover
14	Down Jacket (High Altitude) ✓	i. Front and rear hood adjustment ii. Water resistant, breathable outer fabric iii. Insulated lining iv. Stitch-through construction v. 2 YKK (or equivalent) coil zipped hand pockets vi. Internal zipped security pocket. vii. 700 Fill Power Responsible Down Standard (R.D.S) Certified Goose Down. viii. Weight: max 650 gms (large size) ix. To be effective upto -30 degree
15	Wind proof suit ✓	i. Size-S/M/L/XL Front and rear hood adjustment in upper. ii. YKK zipped (or equivalent) front opening with storm guard iii. YKK zipped (or equivalent) pockets with storm guard in upper iv. YKK pit zips (or equivalent) with storm guard v. Brushed tricot chin guard vi. Fully adjustable drawcord hem vii. Velcro adjustable cuffs viii. Jacket stuffs into hand pocket ix. Should have elastic band at the waist (along with drawstring) and ankle x. Packed in to small carry bag. xi. Main fabric - 50D polyester / 95-105gsm durable, wind proof/wind stopper xii. Not more than 2 Kg xiii. Water resistant and Breathable & windproof

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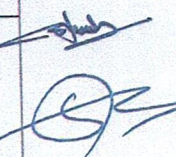


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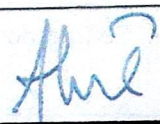
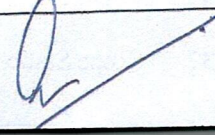
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SL No	Equipment Name	Specifications
21	Single Pulley ✓	i. Lightweight, compact pulley ii. Fixed side plates allowing quick installation and coupling with a rope clamp iii. Sheave mounted on self-lubricating bushings for efficiency Specifications: iv. Rope Diameter – 8-12 mm v. Material(s): aluminum side plates, aluminum sheave vi. Certifications (s): UIAA safety label/certified
22	Seat Harness ✓	i. Material (s): Polyester webbing, closed- cell foam ii. Versatile and easy to use: a. Fully adjustable – one size fit all b. Waistbelt equipped with two DOUBLEBACK buckles to easily adjust and center the harness, Keeping the gear loops in a position that is easily accessible c. Adjustable leg loops iii. Ready to carry and organize gear –Should be equipped with 4 gear loops iv. Comfortable: Technology construction allows weight distribution along the waistbelt and the leg loops v. Certification(s): UIAA safety label/certified
23	Headlamp ✓	i. Light Output: 700-900 lumens (ANSI FL 1/CE STANDARD) ii. Weight: Max-130gms iii. Technology: LeD STANDARD LIGHTING iv. Beam pattern: Flood & Spot/Mixed v. Power by AA/AAA batteries vi. Adjustable inclination of headlamp vii. Beam distance – 75 to 150 mtr viii. Certification: min. IPX4 (weather-resistant)
24	Snow Goggles ✓	i. Axis Strap (a pivoting joint that allows for better helmet compatibility) ii. Anatomic frame iii. Anti-fog coating iv. Silicone strap v. Symmetrical adjustment (2 loops on either side of the strap can be adjusted) vi. Dual soft foam vii. Minimalist Frame, suitable protective casing viii. Spherical lens UV ix. Protection 100 percent x. Certification: EN or CE
25	Sun glasses ✓	i. Color-Multicolour ii. Frame Material-Plastic, suitable protective casing iii. Shape-Wrapped iv. Lens Material – Polycarbonate v. Material Type – Plastic vi. UV Protection – UV400 vii. Certification: EN-166

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SL No	Equipment Name	Specifications
31	Shovel Multi-purpose ✓	i. Can be used for digging, chopping, scooping, hammering, and scraping surfaces ii. Rugged, space-saving folding shovel fits easily in a backpack; iii. Saw Length (with handle)-12.5''(+10%) iv. Saw Blade Length – 5.5'' (14 cm)(+10%) v. Shovel Length ( with handle) 23.25''(59cm)(+10%) vi. Style-Folding vii. Weight Max.525 Grams viii. Material-Metal ix. Certification: UIAA safety label/certified
32	Chest Harness ✓	i. Rear cross-over allows webbing straps to be correctly positioned ii. Adaptable height tie-in point: reversible design allows buckles to be positioned on the shoulders or under the arms iii. Material(s): Polyester webbing iv. Weight max.350 gm v. Certification: UIAA safety label/certified
33	Combined Harness ✓	i. Wide, flexible webbing ii. Fully adjustable shoulder straps and leg loops for precise fit iii. Two flexible equipment loops iv. Adjustable leg loops ✓ v. Min- 4 buckle construction . vi. Weight: Max 475gms vii. Certification : UIAA safety label/certified
34	Hand Held Search Light (solar charged) ✓	i. Material: Aluminium/ hard plastic(sustain upto -40 deg.), ii. Brightness: 1500 lumen iii. Power source: USB Rechargeable /solar charged iv. Battery- Lithium rechargeable v. Light Source type: LED vi. Charge time: max- 60 mins vii. Run Time: Turbo- 3-4 hrs, High-3-5 hrs, Medium- 7-9 hrs, Low-10-16 hrs, Eco- 16-24 hrs.(As per Usage) viii. Protection: IP67 ix. Certification: CE/EN certified
35	Clamp (Ascender)	i. Material(s): aluminum, stainless steel, plastic, rubber, nylon , ii. In pairs(right and left) iii. Weight: Max 200 gms per piece iv. Rope compatibility: 8 to 13 mm v. Certification(s): UIAA safety label/certified
36	Rope Climbing - ✓	i. Impact force [kN]: 8 KN ii. Single Rope iii. Rope Type: Dynamic, Diameter- 09 to 10.5 mm iv. Dynamic Rope length- 60 mtrs (Standard) v. Certification(s): UIAA safety label/certified
37	Rope Static 200 mtr	i. Diameter: 10.5mm to 12 mm. ii. Certification(s): UIAA safety label/certified

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SL No	Equipment Name	Specifications
45	Aluminium Ladder ✓	i. Ladder Type - Climbing, Step Ladder ii. Foldable iii. Material - High Tensile iv. Aluminum Alloy, size-6ft, 8ft and 12 ft v. load capacity- 100 kg min Certified
46	Rope Ladder/ Rope Etrier	i. Light weight, High strength, ii. length-160cm (±5%) iii. Width- 30 cm (±5%) iv. Fine finish, All rungs strength-min.5 Kn (OEM certified) v. Rope Material - Polyester/Nylon, Alloy spreader Bar, vi. Certification: UIAA safety label/certified
47	Avalanche Rod ✓	From Ordnance Factory/ Corporation
48	Base Layer (Upper & Lower)	i. Material- Polyester & Elastane .rapid dryness, Lightweight Base layer breathability, warm ii. Size- As per requirement( S,M,L,XL) iii. Rapid drying & odour control iv. Construction : Single jersey fabric v. Fit : Slim vi. Pockets : No vii. Weight : Light Weight
49	Sleeping Bag (Light Weight) ✓	MHA Approved specification
50	Gaiter	i. Waterproof , Abrasion resistant & breatheable fabric ii. Weight: Max- 125 Gm for pair iii. It should be adjustable ergonomic leg hugging fit iv. Can be used in ice, snow and mix terrain v. Metal under foot support cable
51	Climbing Boots	i. Suitable for high moountains. Under cut heel to make slowing down in descent safer. Compatible with crampons. ii. Outsole: Vibram. iii. Weight: Not more than 2.5 KG per pair (Size 9 UK) iv. Certification: -30° C (OEM certified) v. Double layered boots- Detchable Inner vi. The climbings boost ,gaiters and the crampons to be bought as one single item
52	Water Proof Rain Poncho ✓	MHA Approved specification

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