



TROOP COMFORTS LIMITED

A GOVERNMENT OF INDIA ENTERPRISE
MINISTRY OF DEFENCE



PRODUCT
CATALOGUE

TROOP COMFORTS LIMITED

BRIEF INTRODUCTION

- Troop Comforts Limited is a Public Sector Undertaking incorporated on 16th August 2021 under the companies Act, 2013(18 of 2013) with wholly owned by Government of India.
- It has four factories involved in manufacturing of Life Cycle Clothing (LCC), Protective Gears, Extreme Cold Climate Items (ECC), Special Clothing & Mountaineering Equipment (SCME), Supply Drop Equipment (SDE), Water Storage Equipment, Covers, Tentages, Leather Items, Arrestor Barrier, General Stores, etc for Defence Services and Civil Sector. We are engaged in production testing, logistics, research, development and marketing of comprehensive product range in the area of troop comforts item.

POLICY

To contribute to an Atmanirbhar Bharat, that is self reliant in technical textiles and apparels for our troops and billion lives.

STRENGTH OF TCL

- State of Art Infrastructure.
- Trained and Dedicated Work Force.
- Wide Range of Troop Comfort Equipment.
- Stringent Quality Control System.
- Timely Delivery.
- In-House R&D.
- Lesser Gestation Period from Concepts to Delivery of New Product.



TROOP COMFORTS LTD.

राष्ट्रो रक्षति रक्षितः

LIFE CYCLE CLOTHING

ADVANCED COMBAT UNIFORM

FEATURE

- Replacement for existing Combat Uniform of the Indian Army.
- Anti-bacterial finish for hygienic wear.
- Jungle, Desert, Marine and Multi-terrain pattern for camouflaging in various terrains.
- For better ergonomics, comfort and utility.
- Provides NIR Camouflaging to avoid detection through Night Vision Devices during night time.



JACKET & TROUSER

COMBAT P. C. DISRUPTIVE WITH INDIAN ARMY LOGO

FEATURE

- Twill weave fabric with 20:80 Poly Cotton Blend for better moisture management and usability.
- Three colour disruptive pattern with brown, green and black printed on Khaki dyed base fabric.
- This design has been registered under class 05-05 (Textile fabrics) of Designs Act 2001 in the name of OCF Avadi.
- This Jacket is intended to use during combat duties in combination with trousers of same fabric by Indian Army.
- Comfortable to wear for all terrains.
- Good Pilling Resistance and Crease Recovery.
- Good colour fastness to Light, Washing, Perspiration and Rubbing.

DESIGN

- Jacket and Trousers Combat PC Disruptive with Army Logo are used in combination.
- Reinforcement piece provided inside of the elbow portion of sleeves of the Jacket.
- Provision of Air Vent on Jacket and Trousers.



COAT COMBAT (LIGHTER PATTERN)



FEATURE

- The Coat Combat is intended for use over uniform during combat duties under cold climatic condition by soldiers.
- The outer shell fabric is Digital Printed (New Army Uniform Pattern).
- Protect wearer from sudden shock due to weather change.
- It possesses very good fastness to light, washing, perspiration & rubbing.
- Insulation material used with high warmth to weight ratio.
- Very light weight and provide extreme comfort.
- Weight of Coat Combat (Lighter Pattern) - 1.3 Kg (Approx).

DESIGN

- Elastic cord is provided for better adjustment at hood.
- The detachable hood provides better coverage of head & ear.
- Centre Front zipper with protective wind flap.
- Air Vent zipper for ventilation under the sleeves.
- High collar with stowable collapsible hood.

COAT COMBAT DISRUPTIVE WITH INDIAN ARMY LOGO

FEATURE

- For use over Jacket Disruptive during combat operations under cold climate.
- Made from combination of cloth Polyester cotton (67:33) disruptive pattern with Indian Army Logo & Cloth Polyester – Cotton (20:80) Greenish Khaki as top layer and double layer Bonded Polyester Fleece as lining.
- Detachable inner made from fleece provides insulation & comfort.
- Detachable hood for better coverage at hood & ear.



RAIN CAPE MULTIPURPOSE (PONCHO)

FEATURE

- Multipurpose Rain Coat styled in Poncho Design.
- Provides complete protection from torrential rain.
- Usable as Personal Shelter, Ground Sheet, Make Shift Stretcher and Biwi Sack.

EXTREME COLD CLIMATE CLOTHING (ECC)

JACKET EXTREME COLD CLIMATE (TWO LAYER)



FEATURE

- Suitable for high altitude combat operations under cold climate at 14000 feet at temp up to -20°C & wind velocity 40 Km/hr.
- Water proof, Wind proof and Breathable Outer Layer with added insulation & Inner Layer helps to keep body dry & comfortable.
- Thermal insulation value (TIV) 4.50 Clo approx.
- Light Weight, Ergonomic & Rugged Design.



COAT EXTREME COLD CLIMATE



FEATURE

- Suitable for very low temperature up to -10°C under cold climate up to 11000 feet & wind velocity 40 Km/hr.
- Water proof, Wind proof and Breathable Outer Layer, Middle Layer with adequate insulation & Inner Layer to keep body dry & comfortable.
- Reversible Outer Layer (OG & White), Middle Layer consists of Polyester insulation filling with knitted aluminized fabric & polyamide fabric (for outer & inner shell) and the Inner Layer made from Fleece.
- Thermal Insulation Value (TIV) 3.00 Clo approx.
- Light Weight, Ergonomic & Rugged Design.
- Detachable hood.



OVERALL WINTER FOR AFV CREWS

FEATURE

- For use by tank crews and maintenance crews under cold climate condition.
- Provides protection against temp up to -20°C and high wind velocity upto 40 Km/hr at 14000 feet.
- The outer layer is Water proof, Wind proof and breathable.
- Effective transmission of Water-Vapour in Inner Layer to maintain breathability and comfort.
- Thermal Insulation Value (TIV) of the entire system is 3.84 Clo (as per BS EN 342 : 2004 Annex 'B' Tested at WRA).



TROUSER EXTREME COLD CLIMATE

FEATURE

- Extreme cold weather garment.
- Combination of Trousers Wind Cheater and Trousers Serge Poly Wool.
- Water repellent two layered garment.
- Outer Layer is water repellent. It protects from snow, wind & rain.
- Inner Layer made with 64^s grade of wool provides warmth.
- Trousers Wind Cheater to be worn as outer layer over Trousers Serge Poly Wool.



CAP BALACLAVA (OG) IMPROVED VERSION

FEATURE

- It is used by Army personnel as a head gear for protection against cold climate to the extent of -10°C at high altitude area.
- It provides better cover of head and ear.
- Peak is to protect from sun light.
- Provided with Velcro for better adjustment.
- Good colour fastness to light and washing.



EXTREME COLD WEATHER CLOTHING SYSTEM (ECWCS)

FEATURE

- Suitable for high altitude area of 18000 ft temperature upto -50°C & wind velocity of 40 Km/hr (wind chill effect).
- Water proof, wind proof and breathable Outer Layer. Middle Layer with high warmth to weight ratio insulation. Inner Layer with moisture wicking breathable fabric.
- Thermal Insulation Value (TIV) 4.50 (Approx) as per BS EN 342:2004 Annex 'B'.
- Light weight, Ergonomic & Rugged Construction.

DESIGN

- Three independent layers viz. Inner Layer, Middle layer & Outer layer.
- Both the Outer & Middle Jackets have non-detachable hoods with elastic cord.
- Can be used either independently or with any or both of the other two layers depending upon the ambient condition.



EXTREME COLD WEATHER CLOTHING SYSTEM (ECWCS) HIMVEER (7 LAYER SYSTEM)



LEVEL I



LEVEL II



LEVEL III



LEVEL IV



LEVEL V



LEVEL VI



LEVEL VII

FEATURE

- Seven levels of protection to function as a dynamic system to meet personal climate tolerances.
- 7 level consisting of 12 components work in conjunction to provide insulation and wick moisture from the body with superior breathability and wind protection.
- Allows soldier to train, operate and sustain combat operations in a broad climate range from -50°C to 4°C and high wind velocity upto 40 km/hr extending their ability to take the fight to the enemy anywhere.
- Can be worn either individually or collectively, together or mix and match as per need of different weather conditions.

CAP GLACIER IMPROVED VERSION

FEATURE

- The Cap Glacier is a multilayered Cap.
- It is intended to be used by Army personnel in snow bound area.
- The outer shell fabric is water and oil repellent.
- Neck flaps provide better coverage of head, neck and cheeks in use.
- Peak provides protection from sun light.
- Impermeable to air.
- Better durability.
- Use of knitted aluminized fabric offers better reflection of heat resulting in enhanced insulation.



JACKET & TROUSER WIND CHEATER

FEATURE

- To protect from rain, snow & high wind velocity.
- Good water repellence (Spray rating test rating 80 as per IS:390).
- Ergonomic & durable design.
- Light Weight.



GAITERS GLACIER

Can be used as a cover between trousers, bottom and shoes mouth to provide complete protection against ingress of ice and water in glacier region.

FEATURE

- Breathable fabric.
- Resistance to low temperature.
- Rustproof metallic components.

BASIC MATERIAL

- Fabric Nylon PU Coated 250 GSM.
- Plastic slide fastener.
- Nylon sewing threads and polypropylene twines.



PONCHO GLACIER

FEATURE

- To Protect from Torrential rain during operation in Snow bound Mountains and Glaciated terrain.
- Multiple role like Bivouac and Ground Sheet.
- Provide adequate comfort during combat operations.
- Bolster type carry bag.



BOOT CRAMPON

FEATURE

- Suitable for climbing snow laden mountain/slope.
- Light weight.
- Stainless Steel Grade 304 S1.
- Suitable upto -50°C.



ROCK PITON

FEATURE

- It is a steel wedge that is hammered into a crack in the rock and used to secure a rope for climbing.
- Constructed in various sizes, shapes, and lengths that are hammered into cracks in a rock surface.
- An eye or ring at the end of the piton allows a Karabiner and a rope to be clipped into the piton, creating a solid anchor point.

BASIC MATERIAL

- Made of hard chrome-molybdenum steel to sustain in high altitude areas for easy climbing with high durability.



ICE PITON

FEATURE

- It is an essential Ice Gear.
- The piton tube features a tapered profile for a smooth passage of the screw in ice.
- At one end of said tube is a swivel assembly that rotates in one position and is fitted in the other end to which the climber attaches the rope.

BASIC MATERIAL

- Made from hardened Toughen Steel or aluminium alloy.



ICE AXE AND SHOVEL

FEATURE

- It is indispensable equipment at high altitude areas.
- Same shaft can be used to mount axe and shovel as and when required.
- It is currently being imported by Indian Army.

BASIC MATERIAL

- Axe Pick: Chrome Steel / 316L Stainless Steel.
- Shovel: Al Alloy Grade 7075 / 3086.
- Shaft: Al Alloy Grade 7075 / 6082.

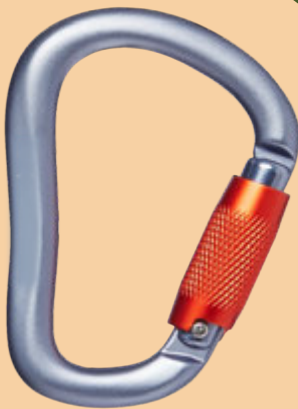
KARABINER

FEATURE

- It is a Mountaineering Equipment for troops operating in high altitude area as Snow Bound, Mountains and Glaciated terrain.
- It is a specialized type of shackle, a metal loop with a spring-loaded gate used to quickly and reversibly connect components, most notably in safety-critical systems.

BASIC MATERIAL

- Made from extruded aluminium alloy.
- The alloy consists of aluminium, which is naturally lightweight and pliable for easy forming, and zinc, which adds strength.



AVALANCHE ROD

FEATURE

- Avalanche rod is used by avalanche rescue team to probe the debris of avalanche to search for victim buried under it. Avalanche rod has 06 sections of 02 ft each which are joined together as per requirement for probing.

BASIC MATERIAL

- Made from aluminium alloy & alloy steel.



JUMAR ASCENDER

FEATURE

- It is attached to the climber's harness by a piece of a sling, and then the Ascender is clipped onto the rope and locked using a Carabiner for extra protection.
- The device permits to slide freely in one direction but tightly grip the rope when pulled on in the opposite direction.
- Available in Pair for Right / Left handed.



HAMMER PITON

FEATURE

- It is used as a mountaineering equipment.
- Lightweight and well balanced rock-hammer with hardened steel head.
- Ideal for alpine climbing routes.

BOOTS

BOOT HIGH ANKLE DIRECT VULCANIZED SOLE

FEATURE

- Multipurpose All Terrain Boot.
- Direct Vulcanized Sole.
- High Ankle for Safety and Protection.
- Manufactured with High Grade Leather and Natural Rubber.



BOOT HIGH ANKLE RUBBER PU SOLE

FEATURE

- Multipurpose All Terrain Boot.
- Anti Skid Sole.
- High Ankle for Safety and Protection.
- Manufactured with High Grade Leather and PU Mid Sole & Rubber Out sole.



INDUSTRIAL SAFETY SHOES

FEATURE

- Workshop Shoes with Anti Static, Slip Resistance and Oil Resistance Property.
- Manufactured using high quality leather with PU-PU Injection Moulded Sole.
- Steel Toe with high impact resistance.



SHOES OXFORD

FEATURE

- Shoe for officers and ground duty.
- Direct Vulcanized sole.
- Manufactured with High Grade Leather and Natural Rubber.



ANTI SKID SHOE WORKING

FEATURE

- Made with high grade leather and rubber.
- Weight 610 ± 50 GMS per pair.
- Better Flexibility and Perspiration resistance.
- Eco-friendly non woven fabric for air permeability, breath ability and comfort.
- Suitable for operating temperature between -40°C to 50°C .
- Resistant to Aviation Turbine Fuel.



DESERT COMBAT BOOT

FEATURE

- Hot weather slip resistant, water resistant combat boot.
- Tan colour brass speed lacing hooks.
- Suede Leather and Rubber & PU Injection Sole.



BOOT MULTIPURPOSE

FEATURE

- For hiking in snow and glaciated terrain at 18000 feet and temp up to -50°C with wind velocity 40 Km/hr.
- Compatible with Boot Crampon.
- Insulated with Gel Membrane / Aerogel & Gore-Tex Membrane.
- Outer Shell of Thermoplastic Polymer material.



SNOW BOOT

FEATURE

- For hiking in snow and glaciated terrain at 14000 feet and temp up to -20°C with wind velocity 40 Km/hr.
- Made of water proof full grain white genuine leather.
- Outer Sole made of nitrile rubber compound.
- Three layer insocks are used for insulation.
- Rustproof metal D Rings are used in eyelets.
- Outer sole has anti skid SRC, and fuel resistant properties. On inner side thinsulate fiber is used for better insulation.



GLOVES

GLOVES OUTER GLOVES INNER (GOGI)

FEATURE

- Two layered gloves system for use in inhospitable terrain and extreme high altitude area and extreme cold climate.
- For protection & warmth at temperature upto -50°C and wind speed up to 40 km/hr.



GLOVES LEATHER WHITELINED

FEATURE

- Two layered gloves for protection against Cold, Wind and snow in extreme cold climates.
- Slit provided in index finger of the glove for trigger operation.

MODULAR GLOVES

FEATURE

- Three layered gloves system for use in high altitude area and extreme cold climate.
- For protection and warmth at temperature up to -50°C and wind speed up to 40 km/hr.



BACKPACKS

RUCKSACK 90 LTRS

FEATURE

- Lightweight, waterproof bag pack with 90 L capacity.
- Detachable 20 L Back pack.
- Wide shoulder straps and adjustable waist belt with nylon air mesh for evenly weight distribution and air circulation.



RUCKSACK 70 LTRS

FEATURE

- Lightweight, waterproof bag pack with 70L capacity.
- Aluminium alloy, padded adjustable waist belt and shoulder straps for evenly weight distribution.



AIRBORNE RUCKSACK 70 LTRS

FEATURE

- For Parachute Jumps.
- Made with 1000D Cordura x 2 WRC OG.
- Quick Release Buckles.
- Heavy Duty Delrina Buckles.
- Modular system for extending capacity.

BACKPACKS

BAG KIT UNIVERSAL MK-II

FEATURE

- A Hand Bag, used to carry personal belongings.
- Easy in carrying and handling.
- Waterproof and Flame Retardant.
- Straps to carry like Backpack.



DUFFLE TROLLEY BAG

- Used for carrying personal belongings while on duty.
- Attached with trolley having radial wheels for easy movement.

FEATURE

- Water proof.
- Excellent durability.
- Radial wheels.
- Resistance from low temperature and accelerated ageing.

BASIC MATERIAL

- Nylon 300 GSM Rip stop PU coated FR fabric & Nylon PU coated OG 60 GSM fabric.
- Polyester 25mm O.G. tape.
- EVA Foam sheet of 2mm thickness.
- Polypropylene bottom sheet of 1.5mm thickness.



TACTICAL ITEMS

INFANTRY COMBAT KIT

FEATURE

- Infantry Combat Kit for carrying battle loads.
- **Pouches**- For carrying magazine and grenade, maps and documents.
- **Pack (35 Ltrs.)**- For carrying personal belongings.
- **Haversack**- For carrying foods and medicine.
- **Frog bayonet**- For Carrying gun Spear / Knife safely.
- **Belt waist**- Adjustable size from 24" to 40".



POUCHES



PACK



HAVERSACK



BELT WAIST



FROG BAYONET

MODULAR LIGHT WEIGHT LOAD CARRYING EQUIPMENT

FEATURE

- MOLLE consist of Modular Rucksack, Assault Pack, Medic Bag, Waist Pack, Hydration System and Ammunition Pouches.
- 40Ltrs/55Ltrs/70Ltrs/90Ltrs/110Ltrs Modular Rucksack with Ergonomic Frame.
- Modular System can be easily mounted or dismounted.
- Hydration system can be used to purify water from any source and make it potable for the soldier. Filtration upto 1,00,000 Gallons and 0.1 Micron Filtrations.
- It has provision for mounting Soft Armour Panel (SAP) and Hard Armour Panel (HAP) in the fighting load carrier to work as a Bullet Resistant Jacket.



ASSAULT PACK



RUCKSACK



HYDRATION SYSTEM



TACTICAL BACKPACK 50 LTRS

FEATURE

- Military Tactical Backpack for Outdoor Camping, Hiking, Trekking and as an Assault Backpack.
- Modular, Ergonomic Design with Heavy Duty Zippers.
- Airmesh padding with ventilation system.
- Made with 1000D Cordura WR WP Fabric for rugged use.
- 50 Ltrs. Capacity.



TACTICAL BACKPACK 30 LTRS

FEATURE

- Military Tactical Backpack for Outdoor Camping, Hiking, Trekking and as an Assault Backpack.
- Modular, Ergonomic Design with Heavy Duty Zippers.
- Airmesh padding with ventilation system.
- Made with 1000D Cordura WR WP Fabric for rugged use.
- 30 Ltrs. Capacity.



TACTICAL PATROL BAG

FEATURE

- 3 day back pack for Patrolling, Outdoor Camping, Hiking, Trekking.
- Basic Material 1000D Cordura x 2 Water Repellent coated.
- Equipped with Quick release buckle with hook & loop mechanism.
- Light weight, Ergonomic & Rugged design.
- Equipped with wide shoulder pads for proper ventilation.

TACTICAL MEDICAL BAG

FEATURE

- Medical Bag with multiple pockets for carrying Bandages, Injection, Medicines, etc.
- Basic Material 1000D Cordura x 2 Water Repellent.
- Ergonomic design for easy use.
- Nylon webbings and Nylon tapes for strength & rugged use.
- Heavy Duty Plastic Slide Fasteners.



TACTICAL KNEE & ELBOW PAD

FEATURE

- For providing protection from injury in Knee & Elbow to soldier during combat operations.
- Basic material 1000D Cordura x 2 Water Repellent coated.
- Ergonomic design with cushioning and proper ventilation.
- Nylon cap & Nylon Tapes for adequate strength & ruggedness.
- Nylon Pad provided for proper shape.



BULLET RESISTANT JACKET

BULLET RESISTANT JACKET (BHABHA KAVACH)



FEATURE

- Light Weight Bullet Resistant Jacket.
- Provides 360° protection.
- Developed in collaboration with BARC and MIDHANI.
- Protection level NIJ - III Standard 0101.06.

BULLET RESISTANT JACKET (BRJ)

FEATURE

- Meets QRs of MHA GSQR for threat level III+, BIS Level 5 of IS 17051: 2018 and NIJ Level III of NIJ 0101.06 standards.
- Ergonomically designed for 360° protection of Front, Back, Sides, Groin, Throat and shoulder.
- Magazine and Grenade Pouches.
- The weight may vary from 5.1 kg to 13.72 kg depending on User Requirement.



BULLET RESISTANT JACKET (NIJ LEVEL IV)

FEATURE

- Light Weight Bullet Resistant Jacket for protection against Armour Piercing Incendiary.
- Provides 360° protection.
- Protection level NIJ - IV Standard 0101.06.
- Under Final Trial Phase.



BULLET RESISTANT JACKET FOR CANINE

FEATURE

- Developed as per requirement of Army Dog Unit to protect the Canines from life threats.
- Hard Armour Panel (HAP) made of Ultra High Molecular Weight Polyethylene UD fabric composite.
- Soft Armour Panel (SAP) made of Para Aramid/UHMWPE UD Fabric layers and Anti Trauma Lining Materials.
- Maximum weight of the BRJ is 3 Kgs \pm 200gms.





VEST

BULLET RESISTANT VEST

FEATURE

- Meets QRs of MHA GSQR, BIS Level I of IS 17051: 2018 and NIJ Level IIIA of NIJ 0101.06 Standard.
- Provides protection against Handguns, Pistols, Revolvers, Submachine Guns and other 9mm calibre ammunition at a distance of 5 Meters.
- Overall weight ranges from 1.2 to 1.7kg.



BALLISTIC HELMET

FEATURE

- For protection against Threat Level NIJ III A or BIS-1 as per IS 17051: 2018.
- Modular type accessory attachments for Night Vision goggles, Visor, Torch, Headphones, wireless communication devices and Counter weight etc.
- Maximum weight of 1.3 Kg.

BALLISTIC BRIEFCASE

FEATURE

- Meets Qualitative Requirements of NIJ-Level IIIA.
- Dimensions (mm)
Folded as briefcase - 300 X 400.
Unfolded as shield -1200x400.
- Water proof, high abrasion resistant with high tensile strength.
- Armour Panel consists of multiple layers of ballistic light weight fabrics.



BOMB DISPOSAL SUIT

FEATURE

- Meets MHA QR&TD & NIJ 0117.01.
- Protection against Threats of Fragmentation, Impact, Blast, Overpressure & Thermal Effect.
- Highly durable Flame Retardant Outer Carrier having Jacket, Trousers, Integrated Groin Protector.
- Boot Over shoes protects the wearer from blast heat & fragmentation effect.
- Comes along with cooling suit, EOD helmet and 2-way communication system.
- Max weight 45 kgs
- Under final development phase.



BOMB SUPPRESSION BLANKET

FEATURE

- Combination of Bomb suppression blanket & safety ring gives protection against blast shocks, debris and fragments.
- Designed at par with MHA GSQR.
- Overall weight varies from 20 Kg to 38 Kg.
- Designed to easily cover suspected device of size 40cm x 30cm x 40cm.
- Offers protection against 2 Kg TNT blast and fragments with velocities ranging from 407m/s to 665m/s.



SLEEPING BAG AND MATTRESS

LIGHT WEIGHT SLEEPING BAG (-50°C)



FEATURE

- Developed for use in Extreme Cold Climate at High Altitude, Snow Bound, Glaciated and Wind Chill Climates.
- Usable upto -50°C with Wind Velocity of 40 km/h.
- Fully indigenous raw material used.
- Very handy and light weight (4.2 kg approx.).
- Adequate ventilation and easy maintainability.
- Useful shelf life of more than two years.
- Skin friendly breathable material.

LIGHT WEIGHT SLEEPING BAG (-20°C)



FEATURE

- For Protection / Comfort to the users in high altitude area upto -20°C temperature.
- Fully Indigenous raw material used.
- Skin friendly breathable material.
- Light weight (2 kg max).

LIGHT WEIGHT SLEEPING BAG (+8°C)



FEATURE

- For Protection/Comfort to the users in lower Himalayan region at temp. upto +8°C.
- Fully indigenous raw material used.
- Skin friendly breathable material.
- Light weight (650 gm max).

MATTRESS MK II (IMPROVED VERSION) WITH COVER

FEATURE

- A Portable Light weight Mattress.
- Protects from cold and damp ground.
- Useful for camping and usable in high altitude area.
- Polyester Insulation Filling Material.



SYNTHETIC CAMOUFLAGE NETS (SCN)

FEATURE

- For special operation forces, snipers and forward operation forces in high risk areas.
- Customized size and shape.
- Available in various combinations for Desert, Jungle and Snow Bound Area.

MULTI-SPECIAL CAMOUFLAGE NETS (MSCN)

FEATURE

- For camouflaging critical designated equipments such as Critical weapons/equipments/vehicles/radars etc deployed in the operational area against Visual, NIR, TIR and Radar based detection sensors in conjunction with the terrain considerations.
- To reduce the chance of recognition against aerial and ground based Electro-magnetic (EM) sensors.
- Reversible and lend itself for usage in two different contiguous terrains with one side for Plain/Jungle terrain and the reverse side for Desert/Semi-Desert terrain.
- Includes support system with telescopic poles, spreader on Top & Metallic Foot at the base and Repair kit with Net swatches, mesh cord, tie cords, threads etc.

BASIC MATERIAL

- Material with matt finish with maximum gloss value of 6 when evaluated under laboratory conditions against IS: 101 (Part 4 / Section 4)-1988.





TENTS

TENT EXTENDABLE FRAME SUPPORTED (TEFS)

FEATURE

- Modular Shelter System.
- Available in 2 sizes - 4M and 2M.
- Dimensions:
4M: 4.66 m x 4.05 m x 2.85 m.
2M: 4.66 m x 2.05 m x 2.85 m.
- Flooring: Fire Resistance TPO.
- Modular Frame Structure of Aluminium Alloy and Mild Steel Joints.
- Extendable Length in the multiples of 4M/2M.
- Can be easily mounted and dismantled.

BASIC MATERIAL

- Fabric PV Dope Dyed 410 GSM OG WP.
- Fabric PV Dope Dyed 205 GSM Green WP.

TENT EXTENDABLE FRAME SUPPORTED FIRE RETARDANT

FEATURE

- Modular Shelter System.
- Available in 3 sizes - 8M, 4M and 2M.
- Dimensions:
8M: 4.66 m x 8.05 m x 2.85 m.
4M: 4.66 m x 4.05 m x 2.85 m.
2M: 4.66 m x 2.05 m x 2.85 m.
- Flooring: Fire Resistance TPO.
- Modular Frame Structure of Aluminium Alloy and Mild Steel Joints.
- Extendable length in the multiples of 4M/2M.
- Can be easily mounted and dismantled.

BASIC MATERIAL

- Duck P/C Blended 50/50 Ripstop 425 GSM.
- WR, WP & FR.



MEDICAL TENT WHITE ANTI-MICROBIAL

FEATURE

- Modular Shelter System & Temporary makeshift isolation arrangement for pandemics.
- Made with Anti-Microbial Fabric for Better Hygiene.
- Can be used as an isolation ward.
- Available in 2 sizes - 4M and 2M.
- Dimensions:
 - 4M: 4.66 m x 4.05 m x 2.85 m.
 - 2M: 4.66 m x 2.05 m x 2.85 m.
- Flooring: Fire Resistance TPO.
- Modular Frame Structure of Aluminium Alloy.
- Joints: Mild Steel.
- Extendable Length in the multiples of 4M/2M.
- Can be easily mounted and dismantled.

BASIC MATERIAL

- Fabric PV Dope Dyed 410 GSM White WP Anti Microbial.



TENTS TENT ARCTIC SMALL



FEATURE

- Usable in High Altitude Area as well as in Green Terrain.
- For 1 to 2 persons.
- Can be used for Camping purpose.

BASIC MATERIAL

- Fabric Cotton Closely Woven 170 GSM Dual Shade W.R.
- Cotton Fabric Scoured 60 GSM for S.D. Parachute.
- Rubberised Fabric for Tent Flooring.

TENT ARCTIC MEDIUM MK-II



FEATURE

- Usable in High Altitude Area as well as in Green Terrain (Reversible Outer Fabric - White and Olive Green).
- Can be used as office, restroom etc.
- Suitable for 4 to 6 Persons.
- Equipped with 01 Bukhari, a space heating device for heating.

BASIC MATERIAL

- Cloth Cotton Closely Woven 235 GSM Dual Shade.
- Cotton Fabric for Supply Dropping Parachute Scoured Type 1.
- Fabric Rubberised for Tent Flooring.

TENT ARCTIC LARGE

FEATURE

- This is a dual-shade, reversible, conical rectangular Tent.
- This is used in snow/green vegetation terrain in high altitudes and extreme cold climates for accommodation/office purpose.

BASIC MATERIAL

- Duck Cotton 612 GSM Dual Shade(O.G/White) W.P. 91 cm.
- Dossuti Scoured 91 cm.
- Flannelette Lining Brown 69/71 cm.

TENT GLACIER

FEATURE

- Useful in Snow Bound areas and High glaciated terrains.
- Has a capacity of accommodating 10-12 Men.
- Handy and can be carried easily.

BASIC MATERIAL

- Fabric Polyester 650 GSM PVC Coated 140 cm wide White.
- Fabric Polyester 650 GSM PVC Coated 140 cm wide Grey.
- Fabric Nylon knitted aluminized 100 cm.
- Non-woven Polyester fabric 140cm.
- Nylon tapes of various sizes.

SPACE HEATING DEVICE (BUKHARI)

FEATURE

- Energy Efficient.
- Two chambered structure to prevent mixing of flue gases with fresh air.
- Multi-utility (heating and cooking).
- 12 V, 20 W solar panel and battery system with a backup of 8 hours for fan.



WATER TANKS TANK FABRIC COLLAPSIBLE

6140 LTRS.



CHAGUL3 LTRS.



230 LTRS.



FEATURE

- Made up of natural flax canvas.
- Keeps water cool in hot climate.
- Anti-microbial property.

EQUIPMENT CARGO AERIAL DELIVERY SUPPLY DROP PARACHUTE 8.5 Mtr.

"Safety of our Armed Personnel and Cargo for their all type of needs is of utmost importance and this product helps in giving that secure feeling."

FEATURE

- ECAD (Equipment Cargo Aerial Delivery) Supply Drop Parachute.
- ECAD (Equipment Cargo Aerial Delivery) Supply Drop Parachute is used for dropping of supplies with one container canvas type SDM or with two container canvas type SDB.
- This Parachute is also used in cluster of two for heavy supplies dropping loads.
- A single Parachute can be used for dropping the supplies from 135 Kg to 160 kg.
- Pack cover canvas is used for packing of the ECAD Parachute SD 8.5 mtr. made with blended fabric polyester & cotton (67:33) and 100% Polyester Tapes.



PLATFORM CARGO AERIAL DELIVERY FOR AN-32

SKID BOARD



SKID BOARD FOR MI-8 HELICOPTER

FEATURE

- 1508mm x 829mm (Cargo Platform).
- 1500mm x 750mm (Skid Board).
- For dropping goods in mountain region.
- Weight upto 650 kg in Cargo Platform & upto 450 kg in Skid Board can be dropped.
- Made with Chir Batten and Plywood.

CARGO PLATFORM



MENA- MULTIPLE ELEMENT NET ASSEMBLY



FEATURE

- Aircraft Arrestor Barrier System.
- Arresting solutions for combat aircrafts during landing and take-off overrun.
- Two variants:
 - MENA 30 – for 6 to 20 Ton Class Aircraft.
 - MENA 40 – for 20 to 40 Ton Class Aircraft.
- Can engage both hook and non-hook equipped aircraft.
- Can be installed across the runway with operational readiness time as low as 3-5 sec.

PRODUCT SPECIFICATION

PARAMETERS	MENA TYPE 30	MENA TYPE 40
Width	: 58 m (Loop to Loop)	58 m (Loop to Loop)
Suspended Height	: 3.7 + 0.2 m	4.7 + 0.2 m
Weight (Approx)-		
Dry	: 562 Kg	695 Kg
Wet	: 686 Kg	848 Kg
Breaking Strength-		
Vertical	: 3135 kg (Min)	3135 kg (Min)
Horizontal	: 2040 kg (Min)	2040 kg (Min)

CANOPY TOP

FEATURE

- Assembly Canvas Cover for LPTA 713-VFJ being used by Indian Army.
- Manufactured from Canvas Cotton Special WP OG Vet Dyed 680 GSM Rot Proof Fabric.
- Can be used from both sides (rear & front) and tied on the top of vehicle.



SADDLERY EQUIPMENT

FEATURE

- Complete range of Saddlery Equipment for Horses and Camels such as Saddle SU Pattern 02 & Saddle PA Universal and other accessories of Saddles such as Bar Slide Shaped Off/Near, Flap Off/Near, Attachment V Girth Off/Near, Strap Girth, Head Stall GS, Collar Head PA, Breachings, Reins, Lining Felts.
- Basic Material: Leather Harness Buffalo confirming to IS: 580.
- All saddlery equipments are hand stitched with flax thread.





TROOP COMFORTS LIMITED

G.T. ROAD, KANPUR, UTTAR PRADESH- 208 013 INDIA

Email: info@troopcomfortslimited.co.in

mne@troopcomfortslimited.co.in

pnnp@troopcomfortslimited.co.in

Phone: +91-512-2451781-82 | Fax: +91-512-2450099