



**OFB**



**160 YEARS  
OF EXPERIENCE  
AND EXPERTISE  
IN TROOP  
COMFORT ITEMS**

**ORDNANCE EQUIPMENT FACTORY, KANPUR**

A UNIT OF ORDNANCE FACTORY BOARD  
MINISTRY OF DEFENCE





## INTRODUCTION

Ordnance Equipment Factory has been in defence production for more than one and half century to equip armed forces with defence equipment in the historic city of Kanpur. This city has witnessed several battles and wars including First War of Independence.

O.E.F. Kanpur still popularly known as 'Quila' stands upon the site of "Havelock's Entrenchment" which was later called "Windham's Entrenchment" and subsequently the "Fort" (Quila).

Factory was established in 1859 after First War of Independence at this site, based on the request of the then Commander-in-Chief to tide over the problems and shortages created due to repeated failures of private suppliers to meet the requirements of armed forces.

## CERTIFICATES / CREDENTIALS

**This factory has received many accreditation and award such as:**

- NABL Accredited Laboratory - ISO 17025 : 2017
- Integrated Management System (IMS)
  - QMS - ISO 9001
  - Environment Management System - ISO 14001
  - OHSAS - 18001
- Energy Management System - ISO 50001 : 2011
- Raksha Mantri's award for Excellence 2013-14 for Best Performing Factory of OFB
- National Energy Conservation Award 2016

## STRENGTH OF OEF

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



## BALLISTIC PROTECTION

### BULLET RESISTANT JACKET (BHABHA Kavach)

- Light Weight Bullet Resistant Jacket
- Provides 360° protection
- A world class product developed in collaboration with BARC and MIDHANI
- Conforms MHA QR for BRJ
- Protection level NIJ - III+ Standard
- Conforms to IS: 17025 : 2018



## TENTS

### TENT EXTENDABLE FRAME SUPPORTED (TEFS)

- 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 Aluminum Alloy
- Joints : Mild Steel
- Extendable Length in the multiples of 4M / 2M
- Can be easily mounted and dismounted





## TENT ARCTIC LARGE

- Usable in High Altitude Area as well as in Green Terrain (Reversible Outer Fabric - White & Olive Green).
- Can be used as restroom, mess, hospital, office etc.
- Suitable restroom for 20-24 persons.
- Equipped with 02 Bukhari, a space heating device for heating.



## TENT ARCTIC MEDIUM

- Usable in High Altitude Area as well as in Green Terrain (Reversible Outer Fabric - White and Olive Green).
- Can be used in office, restroom etc.
- Suitable for 02 Persons.
- Equipped with 01 Bukhari, a space heating device for heating.



## TENT ARCTIC SMALL

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

## COMBAT KIT

### INFANTRY COMBAT KIT (ICK)



**POUCHES**



**PACK**



**HAVERSACK**



**FROG BAYONET**



**BELT**

- Infantry Combat Kit is used 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".

## WATER TANKS

### TANK FABRIC COLLAPSIBLE



**230 LTRS.**



**6140 LTRS.**



**CHAGUL 3 LTRS.**

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

## RAIN PROTECTION



### RAIN CAPE MULTIPURPOSE (PONCHO)

- 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.



### PONCHO GLACIER

- 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.



### CAMOUFLAGE SYSTEM SYNTHETIC CAMOUFLAGE NETS

- 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.



# SPECIAL CLOTHING AND MOUNTAINEERING EQUIPMENTS (SCME)



## LIGHT WEIGHT BAG SLEEPING (-50° C)

- Developed for use in Extreme Cold Climate at High Altitude, Snow Bound, Glaciated and Wind Chill Climates.
- Usable in -50° C with 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 BAG SLEEPING (-20° C)

- For Protection / Comfort to the users in high altitude area upto -20° C temperature.
- Bolster type carry bag for easy carrying and handling.
- Light Weight - 2 kg max.



## LIGHT WEIGHT BAG SLEEPING (+8° C)

- For Protection / Comfort to the users in high altitude area upto +8° C.
- Bolster type carry bag for easy carrying and handling.
- Light Weight - 650 gm max.

## GLOVES SYSTEM



### GLOVES LEATHER WHITELINED

- 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.



### GLOVES OUTER GLOVES INNER (GOGI)

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



### MODULAR GLOVES



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



## BAGPACKS

### RUCKSACK 90 LTRS

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



### RUCKSACK 70 LTRS

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



### BAG KIT UNIVERSAL MK-II

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



## MATTRESS

### MATTRESS MK II (IMPROVED VERSION) WITH COVER

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



## BOOTS



### BOOT HIGH ANKLE DIRECT VULCANIZED SOLE

- 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

- Multipurpose all terrain boot
- Anti skid sole
- High Ankle for Safety & Protection
- Manufactured with High Grade Leather and PU Mid Sole & Rubber Outsole



### INDUSTRIAL SAFETY SHOES

- 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





### **SHOE OXFORD**

- Shoe for Officers and Ground Duty
- Direct Vulcanized sole



### **ENGINEERING ITEMS BOOT CRAMPON**

- Suitable for climbing snow laden mountain/slope
- Light weight



### **SPACE HEATING DEVICE (BUKHARI)**

- 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



## CONTACTS

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