

## **GLOVES ECW(MODIFIED) OUTER & INNER**

Gloves ECW (Modified) Outer & Gloves ECW Inner was developed by DMSRDE, Kanpur to replace existing Disruptive Gloves. Gloves ECW provide adequate warmth to Jawans posted at extreme cold weather (ECW) regions where temperature goes down upto -20 to -30°C. It consists of two components; inner gloves and outer gloves. Inner and outer gloves may be used separately or both together as per the prevailing environmental conditions. These were trial evaluated by user in three different units. During 2005, these items were approved by MGO vide letter No. B/82226/4/MGO/EM/GS&C dt.03.09.05 for introduction into service.



Outer Gloves

MGO vide letter No.

Glove ECW are being used by the soldiers for protection of hands in Extreme Cold Weather region against severe cold and to prevent the ingress of snow. Gloves ECW outer are made on principle of gloves-in-gloves with multilayered different insulating textile materials. These materials in multilayer structure give better thermal comfort. Textile materials used in gloves outer are - Fabric Nylon PU Coated White 250 GSM, Shirting Angola Drab, Fabric Pile Knitted White, and Nappa



Inner Gloves

Leather Grey Waterproof etc. Gloves ECW Inner is made of specially developed three layers laminated fabric. Outer layer is Polyester knitted fabric, middle layer is Polyurethane foam with Polyurethane adhesive film and inner layer is Polyester Pile knitted fabric. Thermal Insulation Value of gloves is approx 5.0 tog, which is sufficient for the intended purpose. These Gloves are available in three sizes viz. Small, Medium and Large.

Its overall weight is 400 gm/ pair (Outer and Inner). Bulk production for Qty 1, 50,000 pairs of Gloves ECW Outer and Inner has been successfully completed against DGOS, New Delhi requirement vide S.O. No. A/59598/ECC&E/Gloves Leather/DGOS/OS-PII/PROC SEC/2162 Dt. 6<sup>th</sup> March, 2013, under AHSP of DMSRDE, Kanpur of worth Rs. 22.0 Crore (approx). Free flow bulk productionisation of this item has been established. The product is ready for ToT to industries for mass production for the future requirements of Indian Armed Forces.