

Synthetic Multi Spectral Camouflage Net

Protection of military systems and personnel is of paramount importance in the warfare scenario or otherwise and it is becoming extremely difficult with the advent of highly sensitive sensors working in the range of IR, thermal, visual and microwaves. Camouflaging of such systems is the most advanced mechanism to avoid / delay the detection and identification of objects in stationary or dynamic conditions.

DMSRDE is the pioneer lab in the field of fabric based camouflage systems. In the past, series of fabric based camouflaging systems like SCN, RSCN, MSPCE, MCS etc. have been designed and developed. Synthetic Multi Spectral Camouflage Net (MSCN) has been developed to meet customized requirements of Armed Forces and it is presently being used in field conditions, as semi-permanent camouflaging shelter. It is anticipated that Indian Armed Forces would be requiring such systems in near future.

Product Description: The synthetic MSCN is a 3-D structured double layer configuration of PVC coated nylon and PU coated mesh structured polyester fabric of different shades. The incised structure provides the 3-D shape when adequately stretched during deployment. Tri-lobal disruptive patterns / colour combinations, NIR reflective pigments and conducting yarns provides the camouflage efficacy in visual range regions. Also have low water absorption, flame retardant and self-extinguishable properties.



Applications:

Developed synthetic MSCN can be used for camouflaging of stationary military objects / troops shelters, and it can be customized as per the object dimensions / geometry, geographical and terrain conditions. Due to its rugged nature and high wind sustainability it is suitable for all terrains with long operational usages.

Interested Industries are requested to forward their Expression of Interest (EoI) to Director DMSRDE, Kanpur with a copy to Director DIITM, DRDO HQ on following address:-

To,

Director

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Copy to

Director

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Industries are requested to enclose supporting document with EoI as per Appendix 'D' of DRDO Policy and Procedure for ToT available at <https://www.drdo.gov.in/sites/default/files/inline-files/drdo%20Policy%20%26%20Procedure%20%20for%20ToT.pdf>