

## **COMPOSITES ARMoured HULL FOR ICV**

R&DE(E) has developed competence in design, analysis and manufacturing of composites armoured hulls for ICV. The hulls have co-cured, monocoque construction and are provided with ceramic-composite armour with STANAG 4 protection level. Two low cost, open mould fabrication processes, viz Vacuum Assisted Resin Transfer Moulding (VARTM) and Resin Film Infusion (RFI) have been developed for fabrication of composites hull. One prototype composites hull has been successfully realized by R&DE(E) employing VARTM process.

This composite armoured hull development expertise available at R&DE(E) can be transferred to suitable industries for development of light composites armoured tracked and wheeled vehicles.