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 Title : FABRICATION OF GFRP BRIDGE DECK
PLATE USING SOFT TOOLS

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Abstract : This report deals with the fabrication technique employed to produce a GFRP bridge deck-plate for MLC-60 type Military Bridge for R & D Estt. (Engineers), Pune. A weight saving of 35% was noticed in this programme. Autoclave Moulding Technique was adopted for the fabrication. Soft tools were made use of during the fabrication process, which eliminates surface wrinkles, resin rich and resin starved areas and ensures the application of uniform pressure throughout the component surface. This is a co-cured structure cured in an autoclave under 120° C temperature, 100 psi air pressure with 1 bar vacuum pressure.