

### **46m MLC 70 Modular Bridge:**

In any combat operation by Armed Forces, mobile bridges are an essential part of engineer equipment. The advancing forces encounter obstacles like canals, rivers, ditches etc which need to be negotiated in the shortest possible time. Therefore suitable mechanically launched bridges are needed involving minimum human intervention to meet the challenge.

R&DE (Engrs) has developed a mechanically launched single span 46m MLC 70 Modular Bridge with bridge length varying from 14 to 46m in step of 6.5m. As the name implies, the bridge can support vehicles up to load class MLC 70. The system is based on high mobility vehicles to ensure cross country mobility. Since a 46m bridge cannot be launched across the gap directly, a lighter launching nose is first placed across the gap. The bridge modules are thereafter pushed over the nose to build the required length of the bridge. Besides its military applications, the bridge can effectively be used during civil emergencies.

The system consists of a Launching system, bridge superstructure, launching nose, bank seat beams, and carrier vehicles.

