

## **ADA and CSIR-NAL Jointly Designed and Developed Futuristic Intermediate Modulus grade Carbon Composites based Flaperon Structural Assembly**



**Director NAL Handing over the Flaperon structural assembly to Director ADA**



**Team of Scientists from ADA, NAL, CEMILAC, DG-AQA with Flaperon Structural Assembly**

Aeronautical Development Agency (ADA) along with CSIR-NAL has successfully completed critical composites technology licensing to LCA Tejas Mk1 aircraft using standard modulus carbon composites. For the future forthcoming programs, ADA & NAL has jointly carried out characterization of high strength intermediate modulus carbon composites. Subsequently, the high strength composite material has been used in a realization of Flaperon structural assembly with co-cured technology. The flaperon assembly is ready for structural tests and has been handed over to ADA by NAL on October 05, 2023. This will ensure ADA to take up the design of medium weight combat aircraft with high strength intermediate modulus carbon composite materials to reduce the weight.