

AVIONIC COCKPIT DISPLAY SYSTEMS

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Strategic sector is a highly guarded area imposed with technology denial putting a challenge on indigenous developments and bring it to par-excellence. A challenge was placed in the eighties to CSIR-CSIO to develop indigenous instruments for defense sector. 70mm Aerial Panoramic Camera for MIG21 Aircraft to capture aerial pictures, Projection plotter with range bearing graticules for Kamorta class of ships for Navy were major efforts in this direction. Subsequently another big challenge was put up to CSIO to enter into state-of-art technology for avionic cockpit display systems (Head Up Display (HUD)) for Light Combat Aircraft (LCA) and Hindustan Jet Trainer (HJT36) aircraft. This system allows to display the flight information of several selectable modes in collimated form so that the pilot can view this information superimposed on his view of the outside world without having to change his line of sight or visual accommodation.

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