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Samtel's Display system cleared by RCMA

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An Indigenously made Multi Functional Displays (MFD) system, jointly developed by Samtel Display Systems and the Defence Avionics Research Establishment (DARE) has cleared the stringent flight testing norms of RCMA (Regional Centre for Military Airworthiness) after it was put through extensive flight trials.

With this achievement, Samtel becomes the first Indian company to indigenise multifunctional displays for the Indian Defence forces.

The flight trials were conducted on the new fleet Sukhoi Su-30MKI at Barreilly, Samtel said in a release here today.

Prior to flying, extensive ground tests were undertaken at the Su-30 integration rig, both during daylight and in the night, to evaluate the display characteristics of the MFD under varying light conditions. Then four test sorties were undertaken at an altitude of approximately 40,000 ft with the indigenous MFD for its evaluation, and no failure of MFD's was observed. Samtel will implement minor improvements suggested by the flight crew.

The Multi-Functional display (MFD) was a device that puts all aircraft-systems monitoring and flight planning functions at the pilot's fingertips. The MFD paints a composite view of the aircraft's environment, providing the pilot with all necessary information to make safe decisions during every phase of flight.

Engine performance and situational data such as location, terrain, traffic, weather and airport information are all digitally depicted and can be quickly interpreted at a glance on the large-format display. Commenting on the landmark achievement, Samtel Group's CMD Mr Satish Kaura said, "The flight testing of these indigenous MFDs underscores Samtel's commitment to produce high quality, high performance avionics equipment and systems for our customers, both in the Indian and international arena. It reinforces our endeavors to develop and provide indigenous technology developed to meet export market and Defence Offset requirements by the overseas clients".

Samtel Display Systems has a JV with Hindustan Aeronautics Ltd (HAL) to produce indigenous next-generation MFDs, HUDs (Head Up Displays) and HMD (Helmet Mounted Displays) for HAL's star programs like jet trainers(IJT), Light Combat Aircraft (LCA) and SU-30 MKI.

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